

STATE OF MONTANA, } ss. 286948  
County of Richland,

Filed this 6 day of

Jan. A. D. 1964

at 2:44 o'clock P.M.

Ed Kooker  
County Clerk  
R. Atchison  
Deputy

fee: 2.00  
filed

File No. ....

T. 24 N. 2-94

DUPLICATE

County Richland

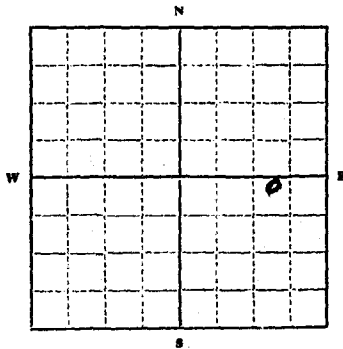
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Glenn Danichon, of Fairview  
(Name of Appropriator) (Address) (Town)  
County of Richland State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.W. 1/4 Sec. 25 T. 24 R. 29

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1949 - continuous since during Dec. for 2 1/2 for watering cattle

4. The amount of groundwater claimed (in miner's inches or gallons per minute) no estimate

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 shallow water drawn from pump

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

8. The depth of water table 10 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater hand dug 3 ft diam - 12 dia

10. The estimated amount of groundwater withdrawn each year no estimate

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 Glenn Danichon

Date 12-30-62

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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

286219  
STATE OF MONTANA, }  
County of Richland, } ss.

Filed this 30 day of  
Dec. A.D. 1963  
1:52 P.M.

E. L. Keebler  
County Recorder  
D. Fullmer  
Deputy

per 42-2  
filed

275

File No. ....

T. 24 R. 516

DUPLICATE

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

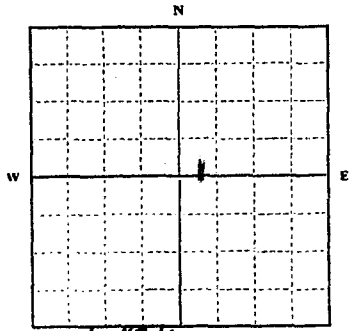
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elsie Woodworth Putnam Fairview  
Name of Appropriator (Address) (Town)

County of Richland State of Mont

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



S 1/2 SE 1/4 NE 1/4  
1/4 Sec 25 T24 R. 59

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

2. The beneficial use on which the claim is based. House use & irrigating lawn & trees

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

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

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 golf & trees

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. 1949 completed 1949

8. The depth of water table. 22

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 45'

10. The estimated amount of groundwater withdrawn each year. 438,000

11. The log of formations encountered in the drilling of each well if available. non 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 Elsie Woodworth Putnam  
Date Dec 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 29645

STATE OF MONTANA 286351  
County of Blaine

Filed this 31  
Dec. 63  
9:11 A.  
C. L. Kooker  
B. Atchison

fee: 2.00  
filed

File No. ....

T. 24 N. R. 59 E.

DUPLICATE

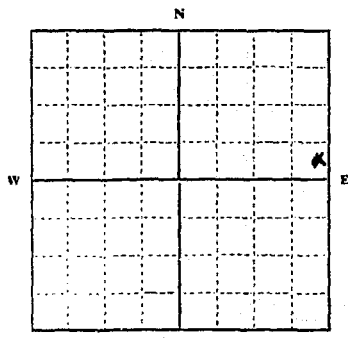
County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. *Jannie M Candee*  
*Elsworth W Candee* of *Route 1 Box 69* *Fairview*  
(Name of Appropriator) (Address) (Town)  
County of *Richmond* State of *Montana*  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 26 T. 24 R. 59

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

- 2. The beneficial use on which the claim is based *house & yard*
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been *constant 1944*
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) *approximately 800 gal per day*
- 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 *1944*
- 8. The depth of water table *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 *Steel casing 4 inch pipe 50 ft depth*
- 10. The estimated amount of groundwater withdrawn each year *289000 gal*
- 11. The log of formations encountered in the drilling of each well if available *Not available*
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record *None*

Signature of Owner *Elsworth W Candee*  
*Jannie M Candee*  
Date *Dec 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.

STATE OF MONTANA, } ss. 286545  
County of Richland, }

Filed this 31 day of  
December A.D. 1963  
at 12:35 o'clock P.M.

W. L. Koster  
County Recorder  
Helen Dierke  
Deputy

fee 2.00  
filed

File No. \_\_\_\_\_

T. 24 N. R. 5 E

DUPLICATE

County \_\_\_\_\_

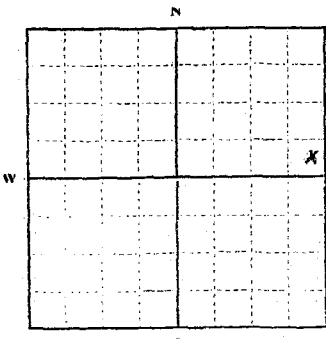
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

*Johnnie M. Candor*  
1. *Elsworth M. Candor*, of *111 Barry Fairview*  
(Name of Appropriator) (Address) (Town)  
County of *Richland* State of *Montana*  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$  Sec 26, T. 24, R. 5 E  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been *1940*

4. The amount of groundwater claimed (in miner's inches or gallons per minute) *4.0 per day*

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *1940*

8. The depth of water table *20 ft*

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater *wood casing 24 inch 50 ft*

10. The estimated amount of groundwater withdrawn each year *144000*

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

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

Signature of Owner *Elsworth M. Candor*  
*Johnnie M. Candor*  
Date *Dec 31, 1963*

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

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

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



STATE OF MONTANA, } ss. 266547  
County of Richland,

Filed this 31 day of  
December A. D. 1963  
at 12:27 o'clock P. M.

E. J. Cooper  
County Recorder  
Walter Burke  
Deputy

for  
filed

File No. ....

T. 24 N 59 E 21

DUPLICATE

County .....

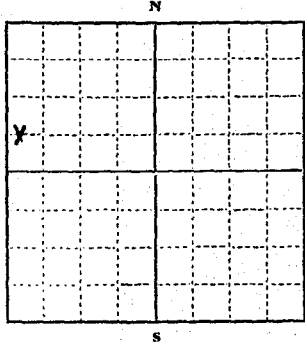
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

NOV 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elsworth W. Candee of Rt 1 Box 64 Fairview  
(Name of Appropriator) (Address) (Town)  
County of Richland State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 29 T. 24 R. 5 E

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1952

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 200 gal per day

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1952

8. The depth of water table. 40 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 18 inch wood curbing 65 ft

10. The estimated amount of groundwater withdrawn each year. 73000

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

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

Signature of Owner Elsworth W. Candee

Date Dec 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.

29838

STATE OF MONTANA, } No. 286544  
County of Richland,

Filed this 31 day of

December A.D. 1963

at 12:34 o'clock P.M.

E. J. Cooper  
County Recorder

Allen Dierkes  
Deputy

See 1 =  
filed

30

T. 24N R. 59E  
County Richland

RECEIVED  
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Garfield Lind Address Hairview  
 Driller Andy Zwick Address Sidney  
 Date Started Oct 19 Date Completed 24 Oct 59  
 Location: Sec. 30 T. 24 R. 59 ¼ sec.

Type of well Drilled Equipment used Churn  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other: \_\_\_\_\_

Casing: 52 ft. to \_\_\_\_\_ ft. Type A.P. Size 6 inch

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 10 to ft. 25 Ft. \_\_\_\_\_ to ft. 5 ft perf

Type of screen or perforations cut with cutting torch

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

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

Pumping water level 10 feet at \_\_\_\_\_ gal. per min. 5

How tested: Dairling

Length of test 4 hours

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	20	yellow clay
20	25	sand, gravel and water 5 gal per mint.
25	52	blue clay

265542

STATE OF MONTANA  
 County of Richland  
 Filed this 1 day of  
 January A.D. 1904  
 at 9:41 o'clock  
 E. S. Hooper  
 County Recorder  
 I hereby certify

File No. ....

T. 24<sup>N</sup> 59<sup>E</sup>

DUPLICATE

County Richland

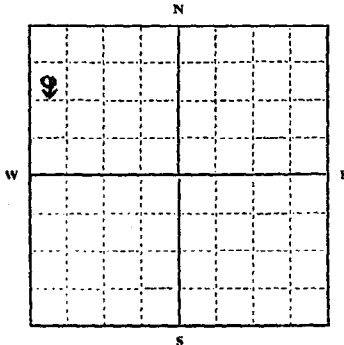
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. E. Fairfield Lunde, of B.B.#1 Box 59 Fairview  
(Name of Appropriator) (Address) (Town)

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



NW 1/4 NW 1/4 Sec. 32 T. 24 R. 59

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1906, intermittent since permitted under statute

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 miner's inches

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 80 NW 1/4 NW 32-24-59

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal gas powered pump sprinkler irrigation

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1949 same

8. The depth of water table three 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 4 1/2 ft. perforator

10. The estimated amount of groundwater withdrawn each year 100,000 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 ACP office

Signature of Owner E. Fairfield Lunde

Date Jan 2, 1964

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.

286898

COUNTY OF MICHIGAN, C. S. S.  
County of Oakland, C. S. S.  
Filed the 3 day of  
January A. D. 1964  
at 3:30 o'clock P.M.  
C. L. Kerkuta  
County Recorder  
C. Cost  
Deputy

fee \$2.00  
filed

File No. ....

T. 24 N. R. 59

DUPLICATE

County Richland

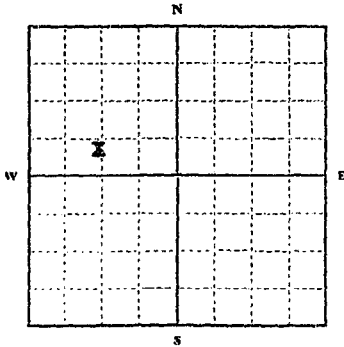
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Marvin Berry, of 508 3rd St. N. E., Sidney, Montana  
(Name of Appropriator) (Address) (Town)  
County of Richland 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 and household use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been About 1948 and has been in use ever since.

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

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

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

SW 1/4 NW Sec 33 T. 24 R. 59

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

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

8. The depth of water table 39 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 Galvanized tile—14 inch casing

10. The estimated amount of groundwater withdrawn each year unknown

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 Marvin Berry  
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.

29874



286581

STATE OF MONTANA, }  
County of Richland, } ss.

Filed this 31 day of  
December A. D. 1963

at 1:01 o'clock, P.M.

E. L. Kooker  
County Recorder

E. Cook  
Deputy

Fee \$2<sup>00</sup>  
Filed

GW 3

File No. ....

DUPLICATE

T. 24 N. R. 57 E.

County, Richland

JAN 10 1964

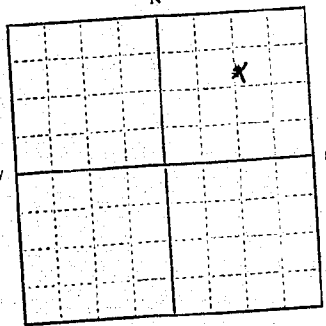
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Notice of Completion of Groundwater Appropriation  
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 1962  
Owner Marvin Berry Address Sioux Mont.  
Contractor (if any) Wallerig Bros. Coates Co.  
Address of Contractor Sioux Montana  
Date Started June 1962 Date Completed Incomplete

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



NE 1/4 NE Sec. 33 T. 24 R. 57

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.

Used 8 months out of year at least quantity

unknown

Signature of Owner Marvin Berry

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.

29875

286582

STATE OF MONTANA, }  
County of Richland, } ss.

Filed this 31 day of  
December A. D. 19 63

at Libby o'clock P.M.

E. L. Kooker  
County Recorder

E. Cook  
Deputy

fee \$2.00  
filed

File No.....

T. 24 N. R. 59 E. M. P. M.

DUPLICATE

County, Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 10 1964  
STATE ENGINEER

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

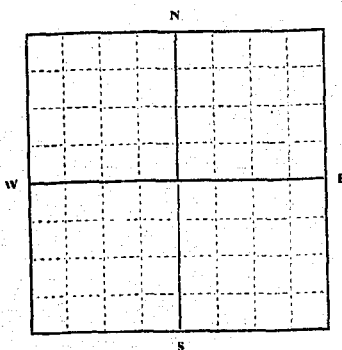
Date of Appropriation of Groundwater..... March 1, 1961

Owner..... S. W. Henderson Address..... Rte. 1, Box 111  
Sidney, Montana

Contractor (if any) ..... Kallavig Construction Co.  
Pederson Brothers  
Address of Contractor Sidney, Montana

Date Started..... UNKNOWN..... Date Completed..... July, 1963.

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



of Bay Creek and its tributaries as said creek flows through the land laying south of County Road in Section 33, Twp. 24, N. Range 59 E.M.P.M., Richland County. Springs are to be supplemented by such well or wells in adjacent area as may be necessary to maintain appropriated flow of waters for beneficial use to adjacent lands, including Sec. 4, T. 23, 59.

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..... 2,000 miners

or 25 cubic feet per second, for use in irrigation of all adjacent irrigable lands. Consumption of water during 1963 was from a 5 inch centrifugal pump, prior occasional use was output of 20 inch centrifugal pump.

1/4 Sec. 33 T. 24 R. 59  
south of County Road  
Indicate point of appropriation  
and place of use, if possible.

Signature of Owner *S. W. Henderson*

Date..... Dec. 30, 1963.

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

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

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

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

29848

STATE OF MONTANA, } ss. 28654  
County of Richland,

Filed this 31 day of  
December A.D. 1963

at 12:34 o'clock P.M.

A. J. Larkin  
County Recorder  
Helen Larkin  
Deputy

filed  
Dec 20 1963

GW

File No. ....

DUPLICATE

T. 24 N. R. 59 E. M. P. M.

County Richland

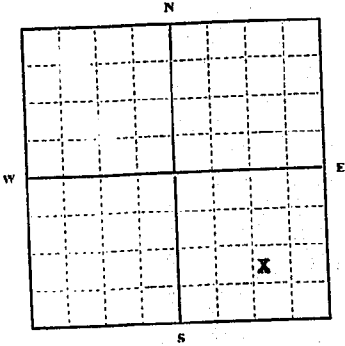
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 19 1964

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

1. S. W. Henderson of Rte. 1, Box 111, Sidney  
(Name of Appropriator) (Address) (Town)

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



~~SE 1/4 SE~~ Sec. 33 T. 24 N. R. 59 E. M. P. M.  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based ~~stockwater use, household consumption, and irrigation of all lawns, gardens, and facilities used with home.~~
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been March 1, 1941.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof lawns and garden adjacent to living quarters and barns situated on South Half of Sec. 33, T. 24 N. Range 59 E. M. P. M.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal two water wells approximately 300 feet apart adjacent to buildings, and within 500' west and south of county road.
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Both wells have been in continuous operation since prior to March 1, 1941.
- 8. The depth of water table About 25'
- 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 Each well is approximately 24" in diameter and 25 ft. in depth. Except for dry periods, water raises to approximately 10 feet of surface.
- 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 Not available.
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner S. W. Henderson  
Date Dec. 30, 1963.

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

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

29849

STATE OF MONTANA, ) ss. 286555  
County of Richland,

Filed this 31 day of  
December, D. 1963

at 12:35 o'clock P.M.

L. L. Harker  
County Recorder

Helmut Luerke  
Deputy

Fee 2.00  
filed

GROUNDWATER INDEX

County Richland Twp. 24 W Rge. 60 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
6	Danielson Dan	2 W 2	285970	
8	Burbeum Adam	57 Well Log	265547	
8	City of Fairview	2 W 4	285202	
8	City of Fairview	5 W 4	285203	
8	City of Fairview	2 W 2	285125	
8	Fredson Nils	57 Well Log	265537	
8	Holland Harold M.	2 W 2	321666	
17	Danielson Glenn & Danielson Muriel	5 W 2	313563	
17	Great Northern Railway Company	2 W 4	279930	
17	O'Connor Brothers Inc.	2 W 4	286578	
18	Carlson Deso M.	2 W 2	321319	
18	Carlson Deso M. & Carlson Mattie M.	2 W 2	312791	
18	Harder Leonard & Harder Anna	2 W 3	286416	
18	Gierke Durrell	2 W 2	294174	
18	Lewis Jesse C.	2 W 4	286583	
18	Andheim Hilda C.	2 W 2	305678	
18	United States of America	2 W 4	285723	
18	Vaira Alfred	2 W 4	285379	
19	Hardy Lloyd A.	5 W 2	296571	
20	Galle Thomas Jr.	2 W 2	324874	
8	Christensen John J.	GW 4	286124	
8	Wiles, Luther	well log		



File No. ....

T. 24<sup>N</sup> R. 60<sup>W</sup>

DUPLICATE

County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEER

DEC 27 1963  
Notice of Completion of Groundwater  
Appropriation by STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

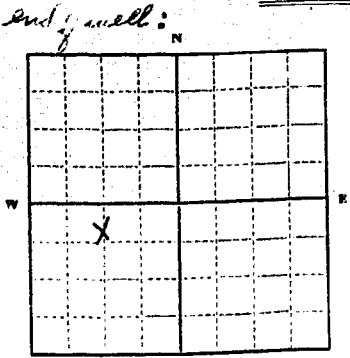
Top of Ground  
(Elev. above sea level 17,460)

to 1 ft. Topsoil.  
to 3 ft. yellow clay.  
to 15 ft. gravel & yellow clay, with a little water here.  
to 18 ft. yellow clay.  
to 25 ft. hard gray clay.  
to 36 ft. coal and a little water.  
to 38 ft. gray clay.  
to 41 ft. coal.  
to 43 ft. clay.  
to 45 ft. light clay.  
to 103 ft. gray clay.  
to 106 ft. gray sand and more water here.  
to 110 ft. gray clay.  
end of well:

Owner Don Davidson Address Fairview, Mont.  
Driller Ray J. Petersen Address Lidney, Mont.  
Date of Notice of Appropriation of Groundwater 10-22-63  
Date well started 10-11-63 Date Completed 10-17-63  
Type of well Drilled Equipment Used Churn Drill  
(dug, driven, bored or drilled) (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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kid Size	From (Feet)	To (Feet)
			110	1/2 round hole	32	30
					30	41
					42	17



1/4 Sec. 6 T24 R60  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 0.8 feet.  
Shut-in Pressure for Flowing Well not the case  
Pumping Water Level 7.5 feet at 5 gal. per minute.  
Discharge in gal. per min. of flowing well not the case  
How Tested Drill bitter Length of Test 1 1/2 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) cemented

at ground surface for casing  
reciprocating & sanitation  
Driller's License Number 111  
Driller's Signature Raymond J. Petersen

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; Tri, plicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

STATE OF MONTANA, } ss. 285 970  
County of Richland, }

Filed this 26 day of Dec. A D 19 63

at 11.00 o'clock, A.M.  
E. J. Kosher  
County Recorder

D. Sullivan  
Deputy

fee: \$3.00  
filed

RECEIVED

T. 24N R. 60E  
County Richland

8

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Adams Bauhinna Address Fairview  
 Driller Andy Mack Address Sidney  
 Date Started May 25 Date Completed May 26-59-  
 Location: Sec. 8 T. 24 R. 60 1/4 sec

Type of well \_\_\_\_\_ Equipment used \_\_\_\_\_  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other: \_\_\_\_\_

Casing: 40 ft. to \_\_\_\_\_ ft. Type O.D. Size 6 in  
 Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
 Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. none to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations none

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

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

Pumping water level 20 feet at \_\_\_\_\_ gal. per min. 6

How tested: Bailing

Length of test 1 Hour

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

(over)

**Log of Well**

Depth, feet		Description of Material Drilled
From	To	
0	15	yellow clay
15	39	quack sand
39	46	gravel & water

865547

STATE OF MICHIGAN  
 County of Richland

Record Book No. 11

Attest  
 J. J. J. 1960

C. E. Jordan  
 County Register  
 Grand Haven  
 Michigan

GW

8

File No. ....

T. 24 N. R. 60 E. 3PM

DUPLICATE

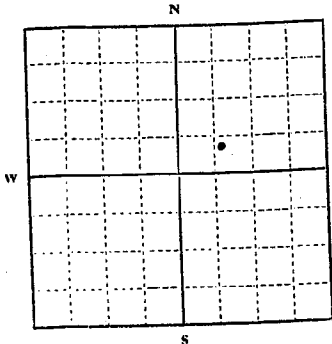
County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. City of Fairview of Fairview  
(Name of Appropriator) (Address) (Town)  
County of Richland 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  
municipal water supply

3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
August 29th, 1949

4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
432 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  
multi stage pump

SE 1/4 Sec. 8, T. 24, R. 60

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

7. The date of commencement and completion of the construction of the well wells, or other works for withdrawal of groundwater  
August 12th, 1949 to August 29th, 1949

8. The depth of water table  
44 feet (From 85 to 129 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  
The City of Fairview has one other well, rated at 250 GPM  
The Bottling plant has a well but data not available

10. The estimated amount of groundwater withdrawn each year  
About 70 million gallons

11. The log of formations encountered in the drilling of each well if available  
0'-19' surface clay 50'-85' quick sand  
19'-39' mixed gravel, water 85'-129' gravel, sand & small kernels of coal, water  
39'-50' dark clay

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

Signature of Owner City of Fairview  
By: Clinton K. Payne clerk  
Date 10-15-1963

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.

6386

STATE OF MONTANA, }  
County of Richland, } ss. 285202  
Filed this 7th day of  
Nov. A. D. 19 63  
9:40 o'clock, P. M.  
E. L. Hooker  
County Recorder  
R. Utchison  
Deputy

bee: see  
filed

RECORDED  
INDEXED  
COUNTY CLERK

GW

File No. ....

T. 24 N. R. 60 M.P.M.

DUPLICATE

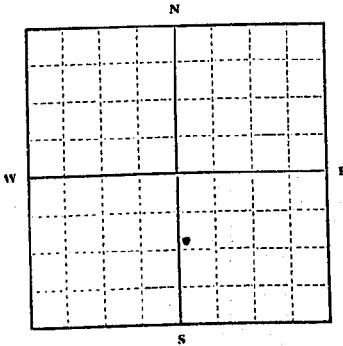
County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



NE 1/4 Sec. 3, T. 24 R. 60.

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been October 10th, 1934  
Continuous use since that date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 250 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 Pump multi-stage

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater October 2nd, 1934 to October 10th, 1934

8. The depth of water table 78 to 88 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  
The city of Fairview has one other well, 8" screen and rated at 432 GPM  
The bottling plant has a well but pertinent information not available

10. The estimated amount of groundwater withdrawn each year About 10 million gallons

11. The log of formations encountered in the drilling of each well if available  
0-14' Surface soil & yellow clay 43'-51' Sandy Shale  
14'-32' Sand, gravel & surface water 51'-60' Fine Sand & Water  
32'-37' Sandy Shale 60'-74' Fine Sand & Water  
37'-43' Blue Clay 74'-78' Fine Gravel, Sand & Water

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

Signature of Owner City of Fairview  
By B. R. May Jr Date 10-18-63

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

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

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

6877

STATE OF MONTANA, }  
County of Richland, }

885703

Filed this 7<sup>th</sup> day of

Nov. A. D. 19 63

at 9:42 o'clock, A. M.

C. L. Hooker  
County Recorder

H. Atchison  
Deputy

fee: 3  
200  
filed



T. 24 N. R. 60 E

File No. \_\_\_\_\_

County Richland

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER  
FEB 1 1965

RECEIVED  
STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground  
(Elev. above sea level 1909...3...)

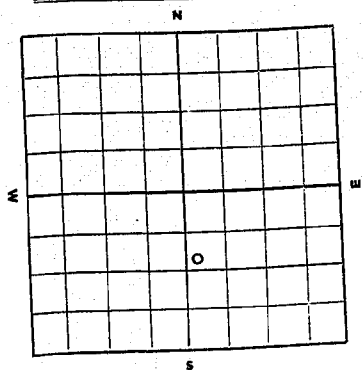
0	15	brown clay
15	28	sand gravel & clay
28	40	grey clay
40	75	fine grey sand
75	93	grey sand gravel & coal
93	99	gravel some sand & coal

Show exact depth of bottom.

Owner CITY OF FAIRVIEW Address FAIRVIEW, MONTANA  
 Driller SIMPSON DRILLING CO. Address MALTA, MONTANA  
 Date of Notice of appropriation of ground water \_\_\_\_\_  
 Date well started August 10, 64 Date Completed Sept 5, 1964  
 Type of well drilled Equipment used churn  
 (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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORMANCES		
				Kind Size	From (Feet)	To (Feet)
12	12" 45.45#	0	79	Johnson screen	79	99



SW 1/4, NW 1/4, SE 1/4 Sec. 8 T24NR. 60 E  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well \_\_\_\_\_ feet.  
 Shut-in Pressure for Flowing Well \_\_\_\_\_  
 Pumping Water Level 68 feet  
 at 475 gal. per minute.  
 Discharge in gal. per min. of flowing well \_\_\_\_\_  
 How Tested pump  
 Length of Test 25 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) \_\_\_\_\_

Driller's License Number 15  
 Driller's Signature Robert C. Simpson

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.  
 Please answer all questions. If not applicable, so state, otherwise the form will be returned.  
 Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for Appropriator.

T 24 N R 60 E

File No. \_\_\_\_\_

County Richmond

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
FEB 1 1965  
STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

- Top of Ground  
(Elev. above sea level 1909.3.)
- 0 15 brown clay
  - 15 28 sand gravel & clay
  - 28 40 gray clay
  - 40 75 fine grey sand
  - 75 93 grey sand gravel & coal
  - 93 99 gravel some sand & coal

Owner CITY OF FAIRVIEW Address FAIRVIEW, MONTANA

Driller SIMPSON DRILLING CO. Address MALTA, MONTANA

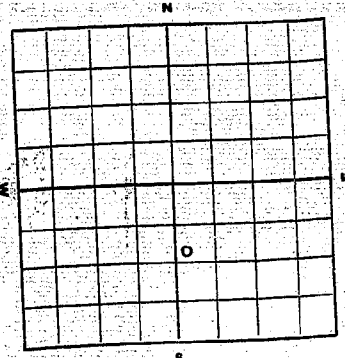
Date of Notice of appropriation of ground water \_\_\_\_\_  
Date well started August 10, 64 Date Completed Sept 5, 1964

Type of well drilled Equipment used churn  
(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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
12	12" 45.45#	0	79	Johnson screen	79	99



SW  $\frac{1}{4}$ , NW  $\frac{1}{4}$ , SE  $\frac{1}{4}$  Sec. 8 T24NR.60 E  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing well \_\_\_\_\_ feet.  
Shut-in Pressure for Flowing Well \_\_\_\_\_ feet.  
Pumping Water Level 68 feet  
at 475 gal. per minute.  
Discharge in gal. per min. of flowing well \_\_\_\_\_

How Tested plug  
Length of Test 25 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)

Driller's License Number 15  
*Robert C. Simpson*  
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 Appropriator.

STATE OF MONTANA, } ss. 772125  
County of Richland, }

Filed this 28 day of Jan.

at 2:20 o'clock, P. M. A. D. 1965

E. S. Kaskan  
County Recorder

L. Atchison  
Deputy

RECEIVED

T. 24N R. 60E  
County Richland

8

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner: <sup>Niels</sup> Matts Frandsen Address: Sidney  
 Driller: Andy Mako Address: Sidney  
 Date Started: May 13 Date Completed: 15-59  
 Location: Sec. 8 T. 24 R. 60 1/4 sec.

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

Water use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other: \_\_\_\_\_

Casing: 56 ft. to \_\_\_\_\_ ft. Type: O.D. Size: 4 1/2

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_

Perforated or Screened: Ft. None to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: none

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

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

Pumping water level: 20 feet at \_\_\_\_\_ gal. per min. 20

How tested: Bailing

Length of test: 5 Hours

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

(over)



County Richland 8

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD  
**NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL**  
Developed after January 1, 1962

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

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Harold M. Holland

Address Box 191

Fairview, Mont.

Date well started Oct. 5-'71

completed Oct. 11-'71

Type of well Drilled

Equipment used Cable Tool

Water Use: Domestic  Municipal  Stock  Irrigation

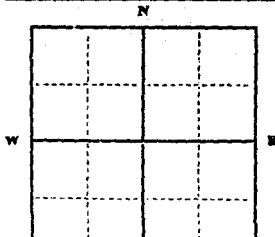
Industrial  Drainage  Other \* Garden/Lawn

\*Describe Piggy House Restaurant

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). Not so used

ESTIMATED ANNUAL WITHDRAWAL about 50,000 gals

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>7 inch</u>	<u>6 inch O.D. Wt. 10.50# per ft</u>	<u>0</u>	<u>30</u>	<u>none</u>		



Static water level 14 ft.\*  
Pumping water level 16 ft.\*  
at 6 gallons per minute,  
measured 30 minutes after pumping  
began.

\*Measured from ground level.  
Well developed by drilling & pumping  
for 14 hours.  
Power electric Pump 1/2 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) 3 inch gravel pack in bottom

Lot 3 Block 60  
amended Plat of Dr. James J. ...  
1/4 SE 1/4 Sec. 8  
T. 24 R. 60 S. 60 W. R. J. J.

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

Driller's Signature Ray G. Petersen

Driller's Address Highway Route - Box 138

Highway, Dec. 1970 LICENSE NO. 111

DRILLER'S LOG

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

Top of Ground (Elev. above sea level) <u>910</u>	
From (Feet)	To (Feet)
<u>0</u>	<u>12</u>
<u>12</u>	<u>19</u>
<u>19</u>	<u>20</u>
<u>20</u>	<u>28</u>
<u>28</u>	<u>29 1/2</u>
<u>29 1/2</u>	<u>30</u>

yellow clay  
soft brown sand  
sand far few gravel  
2-3 gals. water here  
coarse sand and  
some small gravel  
and sand  
quite fine sand and  
water to water here  
End of well.

30 ft. Show exact depth of bottom

49848

STATE OF MONTANA, } ss. 321666  
County of Richland, }  
Filed this 9 day of  
Feb A. D. 19 72  
at 2:05 o'clock P. M.  
Edna Burke  
County Recorder  
Jay Costumeyer  
Deputy

Filed  
Fee: \$2.00

RECORDED  
1972  
County Richland

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

**DRILLER'S LOG**

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

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

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Harold M. Holland  
Address Box 491  
Lawrence, Mont.  
Date well started Oct. 5-'71  
completed Oct. 11-'71

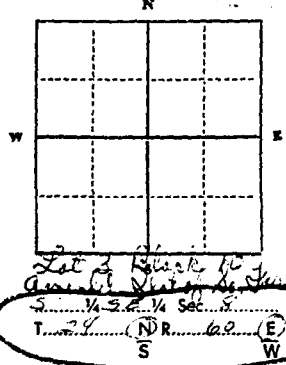
For Administrator's Use	
File <u>321666</u>	<u>Feb 9, 1972</u>
<u>2:05 p.m.</u>	GW 1

Type of well Drilled  
(Dug, driven, bored or drilled)  
Equipment used Cable Tool  
(Churn drill, rotary or other)  
Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other  Garden/Lawn

\*Describe Pizza House Restaurant  
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). Not so used

ESTIMATED ANNUAL WITHDRAWAL Approx. 50,000 gals.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>7 inch</u>	<u>6 inch O.D.</u>	<u>0</u>	<u>30</u>	<u>none</u>		



Static water level 14 ft.\*  
Pumping water level 16 ft.\*  
at 1 gallons per minute,  
measured 30 minutes after pumping began.

\*Measured from ground level.  
Well developed by running 1/2 inch sand  
for 14 hours.  
Power mechanical Pump 1/2 HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff) 3

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

Driller's Signature Roy Peterson  
Driller's Address Whitford Route - Box 138  
Sidney, Montana 59270 LICENSE NO. 111

Top of Ground		(Elev. ab-ve sea level) <u>910</u>
From (Feet)	To (Feet)	
<u>0</u>	<u>12</u>	<u>4 flow clay</u>
<u>12</u>	<u>19</u>	<u>1/2 inch sand</u>
<u>19</u>	<u>20</u>	<u>about 1/2 inch sand</u>
<u>20</u>	<u>28</u>	<u>coarse sand and</u>
<u>28</u>	<u>38</u>	<u>some very fine</u>
<u>38</u>	<u>30</u>	<u>fine sand and</u>
		<u>End of well</u>

30 ft. Show exact depth of bottom  
49348



GW 2

MONTANA WATER RESOURCES BOARD  
**RECEIVED**

Approved Stock Form—State Publishing Co., Helena, Montana—4850

File No. ....

T. ANN RGOE # 77

DUPLICATE

FEB 5 1970

County Richland

LOG

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)

Top of Ground  
(Elev. above sea level) about 1910'

to 5 ft. gray clay  
to 19 ft. yellow clay  
to 23 ft. gravel mixed gray clay  
to 25 ft. coarse brown sand  
to 30 ft. coarse sand & some gravel  
to 32 ft. very rocky gravel  
and coarse sand.

Owner William and Muriel Danielson Address Kirrievue, Montana  
Driller Ray J. Petersen Address Sidney, Montana

Date of Notice of appropriation of groundwater July 17 - 1969  
Date well started July 5 - 1969 Date completed July 11 - 1969

Type of well Drilled Equipment used Cable tool  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

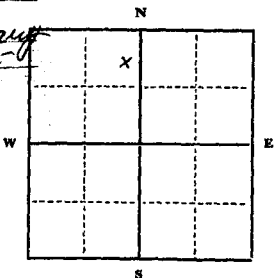
Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other  law area

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.

Water rises to 18 ft level

Size of Drilled Hole	Size and Weight of Casing of Casing	From (Feet)		PERFORATIONS		
		Surface	32	Kind Size	From (Feet)	To (Feet)
<u>7 inch</u>	<u>6 inch 9D.</u>					
	<u>9 1/2 inch 10:50 per ft.</u>					
						<u>none</u>

Doc. No. 213563  
Filed for record this 3 day of July A. D. 19 70 at 3:35 o'clock P. M.



Static Water Level for non-flowing well 18 feet.  
Shut-in Pressure for Flowing Well none  
Pumping Water Level 20 feet at 10+ gal. per minute.  
Discharge in gal. per min. of flowing well none  
How Tested Bailer & pumping  
Length of Test 4 hours  
Remarks: (Gravel packing, cementing, packers, type of shutoff) natural gravel bottom - perfect screen.

1/4 Sec. 17, T24, R60. Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)  
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). not so used

32 feet.  
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, tissue copy to be retained by driller.

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

111  
Driller's License Number  
Ray J. Petersen  
Driller's Signature  
46139

313563  
STATE OF MONTANA, } ss. 313563  
County of Richland, }

Filed this 3rd day of  
February A. D. 1970  
at 3:35 o'clock, P.M.  
Helen Gierke  
County Recorder  
Lois Olson  
Deputy

200  
filed

2017

File No. ....

T. 24 R. 60

DUPLICATE

County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED

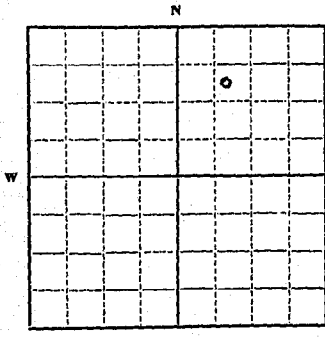
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Great Northern Railway Company of 175 E. 4th Street St. Paul, Minn.  
(Name of Appropriator) (Address) (Town)

County of Richland 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... Railroad  
Purposes

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... May 1924

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

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  
N/A

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

W. 1/4 Sec. 17, T. 24 R. 60E

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

Well at Fairview Station

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

8. The depth of water table... N/A

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... 22" driven well and sandpoint 40' deep

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

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

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... N/A

GREAT NORTHERN RAILWAY COMPANY

Witnessed and Signed By T. P. Hemminger  
Superintendent of the Mine Division

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.

2711

STATE OF MONTANA, } ss. 279930  
County of Richland,

Filed this 12 day of

Dec. A. D. 19 62

at 11:24 o'clock A. M.

E. L. Kaiser  
County Recorder

D. Sullivan  
Deputy

fee: \$2.00

filed

GV

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. ....

T. 24 N. R. 60 E.

DUPLICATE

County Richland

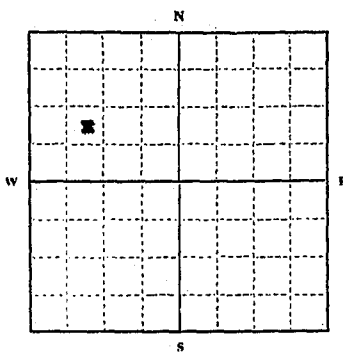
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 10 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. O'Gannor Brothers, Inc., of Gilbertown  
(Name of Appropriator) (Address) (Town)  
County of Richland State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



- 2. The beneficial use on which the claim is based livestock and household use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1910—continuously
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gals. 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 No irrigation
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 3" cylinder pump (electric) SW 1/4 Sec. 17 T. 24 R. 60

SW 1/4 Sec. 17 T. 24 R. 60  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1910
- 8. The depth of water table 90'
- 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 4" steel casing—depth 120'
- 10. The estimated amount of groundwater withdrawn each year 150,000 bbls.
- 11. The log of formations encountered in the drilling of each well if available. Not available—understand it is mostly gravel
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

O'Gannor Brothers, Inc.  
Signature of Owner Secretary  
Date December 29, 1962

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

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

29871

286578

STATE OF MONTANA, } ss.  
County of Richland, }

Filed this 31 day of  
December A. D. 1963

at 12:58 o'clock P.M.

E. L. Kasper  
County Recorder

E. Cook  
Deputy

fee \$2.00  
filed

RECEIVED

County Richland

JAN 30 1972

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD  
NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Don M. Carlson  
Address Lawrence, Mont

For Administrator's Use	
File	<u>321319 Jan 21 1972</u>
	<u>9:39 A.M.</u>
	<u>GW 1</u>

Date well started June 12-'71  
completed June 15-'71

Type of well Drilled  
(Dug, driven, bored or drilled)

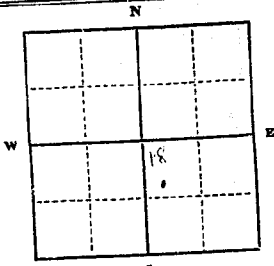
Equipment used Cable Tool  
(Churn drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casting	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>1 inch</u>	<u>1 inch 2 strand O.D. Wt. #</u>	<u>2 1/2</u>		<u>none</u>		



SE 1/4 NE 1/4 Sec. 18  
T. 24 N. R. 60 E.

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

Driller's Signature Ray J. Petersen  
Driller's Address Highway Route - Box 138  
Sidney, Montana 59270  
LICENSE NO. 111

DRILLER'S LOG

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

Top of Ground (Elev. above sea level) <u>81 1910</u>		
From (Feet)	To (Feet)	
<u>0</u>	<u>3</u>	<u>Dark topsoil</u>
<u>3</u>	<u>11</u>	<u>yellowish gray clay</u>
<u>11</u>	<u>13</u>	<u>small gravel and coarse sand</u>
<u>13</u>	<u>18</u>	<u>yellow clay sand</u>
<u>18</u>	<u>19 1/2</u>	<u>gravel + coarse sand</u>
<u>19 1/2</u>	<u>21 1/2</u>	<u>gray sand and lots of water here</u>
		<u>End of well:</u>

Static water level 13 ft.\*  
Pumping water level 14 ft.\*  
at 8 gallons per minute,  
measured 20 minutes after pumping began.  
\*Measured from ground level.  
Well developed by bailing & pumping  
for 20 hours.  
Power 2 hp Pump 1/2 HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff) natural gravel bottom - 8-10'  
fine gravel up in casing  
like a stream

21 1/2 ft. Show exact depth of bottom

STATE OF MONTANA, } ss. 321319  
County of Richland, }

Filed this 7 day of  
January A. D. 19 72  
at 9:39 o'clock P.-M.

Allen Bierke  
County Recorder  
Jane Paladichuk  
Deputy

Filed  
\$ 2.00



File No. ....

T. 24 N. 60 E. 18

DUPLICATE

County. Richland

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater  
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Wm. M. & Mollie M. Schuch Address Ennis, Montana

Driller Ray J. Petersen Address Sidney, Montana

Date of Notice of appropriation of groundwater May 12 - 1969

Date well started May 7 - 1969 Date completed May 9 - 1969

Type of well Drilled Equipment used Cable tool  
(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.

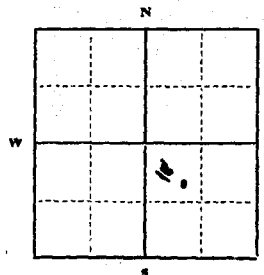
Top of Ground  
(Elev. above sea level.....)

to 6 ft. brown sandy soil  
to 14 ft. dark yellow sandy soil  
to 16 ft. coarse gravel and a little water  
to 22 ft. coarse gray sand  
to 28 ft. brown sandy clay  
to 30 ft. gravel & coarse sand  
to 31 ft. coarse gray sand and lots of water here.

End of well:

MONTANA WATER RESOURCES BOARD  
**RECEIVED**  
DEC 2 1969

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7 inch	10.50 lb per ft.	6 ft	31	None		



Static Water Level for non-flowing well ..... 14 feet.

Shut-in Pressure for Flowing Well none

Pumping Water Level ..... 16 feet

at ..... 6 gal. per minute.

Discharge in gal. per min. of flowing well none

How Test Drill bailey & pumping

length of Test 4 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Pump unit installed in existing 6 ft pit with sanitary cover.

1/4 Sec. 18, T. 24 R. 60

(Continue on reverse side)

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).

not so used

31 feet  
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, tissue copy to be retained by driller.

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

111  
Driller's License Number

Ray J. Petersen  
Driller's Signature.

15924

File 101-100

STATE OF MONTANA, )  
County of Richland, ) ss. 3/2791

Filed this 1 day of  
December A. D. 1969

at 3:25 o'clock P.M.

Helen Gierke  
County Recorder

Leo Olson  
Deputy

2<sup>00</sup>  
filed

18

File No. ....

T. 24 N. R. 60

DUPLICATE

County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 10 1964  
STATE ENGINEER

**Notice of Completion of Groundwater Appropriation  
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... 1935

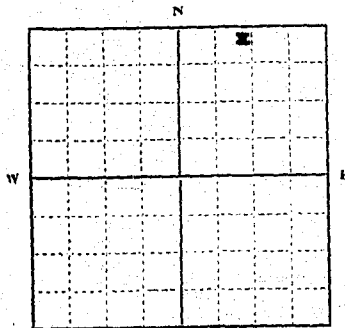
Owner & Anna Leonard/Gardner Address Fairview, Montana

Contractor (if any) None

Address of Contractor None

Date Started... 1935 Date Completed... 1935

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable... spring flows through cement casing & pipe



NW NE 18 24 60  
1/4 Sec. T. R.

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...

year around for watering livestock

amount not known

Signature of Owner James Gardner

Date December 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; Triuplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

39710

286416

STATE OF MONTANA, }  
County of Richland, } ss.

Filed this 31 day of

Dec. A. D. 19 1913

at 10:16 o'clock P.M.

E. P. Kooker  
County Register

H. A. Johnson  
Deputy

Fee: 200  
filed

File No.

STATE WATER CONSERVATION BOARD

T 24 N R 60 E Montana

DUPLICATE

RECEIVED  
AUG 12 1965

County: Richland

LOG

REFERRED TO: ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE OF MONTANA

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Deere II  
Address: Deer Creek, Montana

Driller: Ray J. Petersen  
Address: Deer Creek, Montana

Date of Notice of appropriation of groundwater: June 6 - '65

Date well started: June 2 - '65 Date completed: June 4 - '65

Type of well: Drilled Equipment used: Cable Tool  
(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.

Water rises to 2 feet ground surface

Top of Ground  
(Elev. above sea level 1927)

to 4 ft. gravel & yellow clay

to 6 ft. rocky gravel

to 11 ft. yellow sand

to 18 ft. sand and gravel

to 20 ft. small gravel & sand

to 27 ft. blue clay

to 27 1/2 ft. coal layer

to 50 ft. hard blue clay

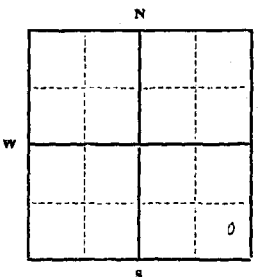
to 60 ft. Very hard coal

to 61 1/2 ft. sandy clay and  
40 g. P. M. water.

and gravel:

Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)		To (Feet)		PERFORATIONS		
		From	To	Kind Size	From (Feet)	To (Feet)		
7 inch	6" O.D. 10.50" per ft.	Surface	52	none	-	-		
		no casing in 7 1/2 ft. of coal						



Static Water Level for non-flowing well 3 feet.

Shut-in Pressure for Flowing Well none

Pumping Water Level 25 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Drill Baker

Length of Test 2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Pump is installed in 6 ft. pit for house use

SE 1/4 Sec 18 T 24 N R 60 E  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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 111

Driller's Signature Ray J. Petersen

39417

RECORDED  
INDEXED  
JUL 13 1965  
RICHMOND, MONT.

STATE OF MONTANA, } ss. 294174  
County of Richland, }

Filed this 9 day of  
August A. D. 1965  
at 4:30 o'clock P. M.  
E. L. Kasper  
County Recorder  
Walter Shook  
Deputy  
Fee 2<sup>00</sup> -

18

File No. ....

T. 24 N. 60 E.

DUPLICATE

County Richland

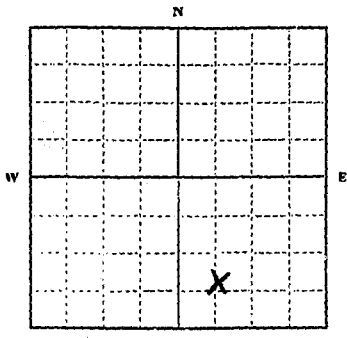
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jesse A. Lewis, of Fairview  
(Name of Appropriator) (Address) (Town)  
County of Richland State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 8 E. T. 24 N. 60 E.  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based used for livestock
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) don't know
- 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 no
- 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 1940
- 8. The depth of water table don't know
- 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 not available
- 10. The estimated amount of groundwater withdrawn each year 2500 gal.
- 11. The log of formations encountered in the drilling of each well if available none available
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record not none available

Signature of Owner Jesse A. Lewis  
By Pearl Lewis  
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.

29876

286583

STATE OF MONTANA, )  
County of Richland, } ss.

Filed this 31 day of  
December A. D. 19 63

at 11:30 o'clock, P.M.

E. L. Kasper  
County Recorder

E. Cook  
Deputy

fee \$2.00  
filed



Forward to Montana Water Resources Board, Mitchell Bldg.  
 Approved Stock Form—State Publishing Co., Helena, Montana—45642

GW 2

File No. ....

DIVISION OF ARCH. & ENGR.

T. 24N R. 60E

DUPLICATE

LOG

Helena, Montana

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

County.....Richland

Top of Ground

(Elev. above sea level)

0-19 brown clay

19-40 sand

40-46 gravel sand water

MONTANA WATER RESOURCES BOARD

JUL 6 1968

**Notice of Completion of Groundwater Appropriation by Means of Well**  
 DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Hilda C. Sundhiem Address Fairview, Mont

Driller E.C. Gendron Address Sidney, Mont

Date of Notice of appropriation of groundwater.....

Date well started 25, May 1968 Date completed 25, May 1968

Type of well drilled Equipment used churn  
 (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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	6" 19#	0	46	torch slots	41	43

Static Water Level for non-flowing well 17 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 26 feet

at 15 gal. per minute.

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

How Tested baller

Length of Test 1 hr

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

SE 1/4 Sec. 18 T. 24 R. 60

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

ac. in SE 1/4 as acquired Deed A-92, Pg 400

(Continue on reverse side)

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).

46 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, tissue copy to be retained by driller.

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

E.C. Gendron #177  
 Driller's License Number

Driller's Signature

44,296

MONTANA WATER RESOURCES BOARD

RECEIVED

JUL 8 1968

305678  
STATE OF MONTANA, }  
County of Richland, } ss.

Filed this 30 day of  
June A. D. 19 68  
at 3:50 o'clock, P.M.

Helen Lister  
County Recorder  
Luis Stanford  
Deputy

2<sup>00</sup>  
filed

GW-4

File No. ....

T. 24 N. R. 60 E

DUPLICATE

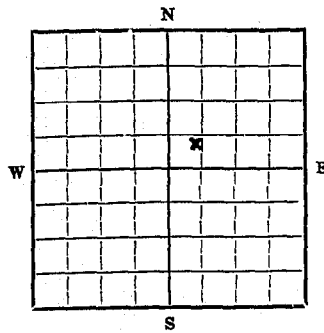
County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 18 1963  
STATE ENGINEER

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

1. United States of America, of Box 2553 Billings  
(Name of Appropriator) (Address) (Town)  
County of Yellowstone State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE 1/4 Sec. 18 T. 24 R. 60  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based domestic
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1914 and continuous
- 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 not used for irrigation
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater approximately 1914
- 8. The depth of water table 4 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 depth of well is 20 feet, 4 inch casing
- 10. The estimated amount of groundwater withdrawn each year 37 acre-feet.
- 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 This water is used for domestic, household, stock watering and similar uses by employees of the United States or its operating agents in connection with operation of the Lower Yellowstone Federal Reclamation Project.

UNITED STATES OF AMERICA  
Signature of Owner [Signature]  
Regional Director, Region 6, Bureau of Reclamation  
Date December 2, 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 School of Mines and Quadruplicate for the Appropriator.

9868

STATE OF MONTANA  
County of Richland

STATE OF MONTANA, }  
County of Richland, } ss. 285723

Filed this 14th day of  
Dec. A. D. 1963

at 11:45 o'clock, P.M.

C. S. Kooker  
County Recorder

R. O. Johnson  
Deputy

fee: \$ 2.00  
filed