

County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Frank NASTOUR Address Box 100, Butte, Mont.

Driller Lloyd J. Hanning Address Box 11, Butte, Mont.

Date Started July 13, 1961 Date Completed July 21, 1961

Location: Sec 20 T. 25 R. 15 NE 1/4 of SE 1/4

Type of well drilled Equipment used spudger
(Dig, driven, bored, or drilled) (Chain drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒
Industrial ☐ Drainage ☐ Other _____

Casing: 0 ft. to 229 ft. Type T&C Size 6" OD

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

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

Pack. Grated or Screened: Ft. none to ft. none Ft. none to ft. none

Type of screen or perforations: none

Static Water level, for non-flowing well: 189

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

Pumping water level: 189 feet at 12 gal. per min.

How tested: bailer

Length of test: 4 hrs.

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	top soil
0	1	yellow clay
1	2	gravelly yellow clay
2	26	sandy yellow clay, some boulders
26	42	sandy yellow clay
42	54	light brown shale, top of bench
54	62	sandy, light brown shale
62	84	hard shale
84	93	sandy brown shale
93	103	grey shale, sandy
103	106	hard shale, grey
106	112	light brown shale
112	132	grey shale, sandy
132	143	brown shale
143	151	grey shale, sandy
151	155	sandstone, trace water
155	165	brown sandstone
165	168	grey, sandy shale
168	175	brown shale, very sandy
175	176	grey sandstone
176	223	grey sandstone, water, some small pebbles

Log Well

Depth (feet)		Description of Material Encountered
0	10	
10	20	
20	30	
30	40	
40	50	
50	60	
60	70	
70	80	
80	90	
90	100	
100	110	
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980	990	
990	1000	

Doc. # 337912
Filed Aug 29, 1961
2:00 o'clock P.M.

RECEIVED
MONTANA WATER RESOURCE BOARD
AUG 18 1961

Doc. No. 362 684
Filed for record
File No. _____ this 14 day of August
A. D. 1970, at 11:20
o'clock A. M.

T. 25N R. 15E
County Chouteau

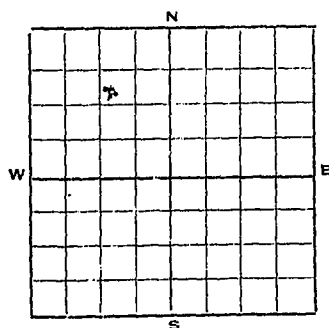
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

CORRECTION OF LOCATION
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Frank Gasvoda, of Big Sandy
(Name of Appropriator) (Address) (Town)

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



N 1/4 NW 24 Sec. 24 T. 25 R. 15

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

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been
well completed July 21, 1961

4. The amount of groundwater claimed (in miner's inches or gallons
per minute)
12 gal. 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 loca-
tion 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 with-
drawal of groundwater

8. The depth of water table 189 ft.

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner _____

Date _____

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

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

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

47368

A blank sheet of graph paper with a grid pattern. The grid consists of horizontal and vertical lines forming squares. There are approximately 10 columns and 8 rows visible. A small dark mark is present near the top center of the page.

RECEIVED
NATIONAL WATER RESOURCES BOARD
AUG 18 1970

Filed Aug. 17 1870
at 11:20 o'clock a.m.
George W. Harvey
Vice & Co. County Clerk
Deputy
Filed Paid

County Chouteau

24

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

RECEIVED
AUG 2 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES

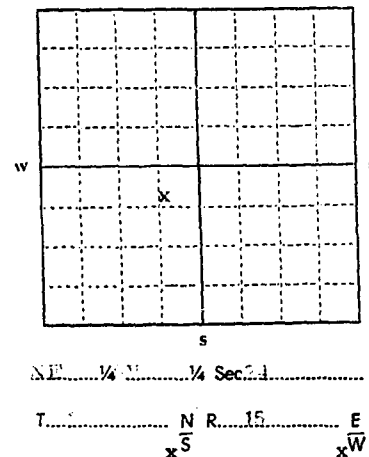
After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well. Upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation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

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

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

1. I, Gailey Beebe, of Big Sandy,
(Name of Appropriator) (Address) (Town)
County of Chouteau, State of Montana, did
intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
2. The beneficial use to which water is to be applied is stock water & domestic use.
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 200 galls per hour.
The estimated amount of groundwater to be used annually _____
4. The annual period (inclusive dates) of intended use year annual
5. The probable or intended date of first beneficial use in 1968
6. The probable or intended date of commencement and completion of the well* or wells* well was completed in 1968
7. The location, type, size and depth of well or wells completed 40 ft deep / pump
NE 1/4 of Sec. 24 Twp. 20 N., R. 15 E.
8. The probable or estimated depth of the water-table or artesian aquifer _____
9. The name, address, and license number of the driller engaged none
10. Give such other similar information as may be useful in carrying out the policy of this act _____

For Administrator's Use	
File <u>371526</u>	<u>P.O.O.R.M.</u>
<u>6-29-73</u>	



Signature of Appropriator Gailey Beebe Date June 1973

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

56323

#371326
STATE OF MONTANA, } ss.
COUNTY OF CHOUTEAU,
JUN 29 1973
Filed.....19.....
at.....9:00 o'clock.....a.....M.
By.....Deputy
Sec.....200.....

File No.

T25 N R. 15 E.

DUPLICATE

County Chouteau

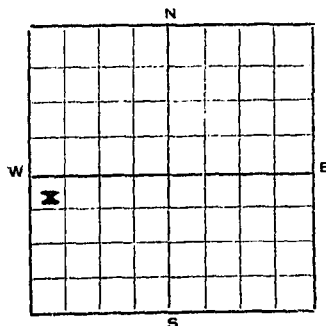
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Frank Adamec, of Big Sandy
(Name of Appropriator) (Address) (Town)

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



NW 1/4 Sec. 27 T. 24 N. R. 15 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 irrigation-storage water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1914-continuous use thereafter
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 7 acres adjoining well-40' lift.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 4 inch plastic pipe-40 foot lift.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1914-used as water for homestead
8. The depth of water table 40 ft. could be 2 foot to water
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 inch plastic pipe, pump
10. The estimated amount of groundwater withdrawn each year 300 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 none

Signature of Owner Frank Adamec

Date 30 December 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.

26570

have appropriated groundwater according to the Montana law in effect prior to January 1, 1957, and

2. The beneficial use on which the claim is based

3. The amount of groundwater claimed (in miner's inches or gallons per minute) to be used

4. If need for irrigation with the average and description of the lands to which water has been applied and name of the owner thereof

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

6. The date of completion of the construction of the well with the number of feet of ground

7. The depth of water table

8. So far as may be, the location and depth of each well or other means of withdrawal of groundwater

9. The amount of groundwater withdrawn from each well

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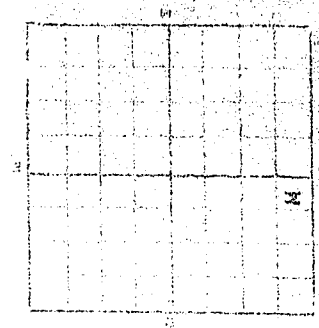
96. The amount of groundwater withdrawn from each well

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99. The amount of groundwater withdrawn from each well

100. The amount of groundwater withdrawn from each well



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

Subscribed and sworn to before me this 31st day of December, 1963, at Helena, Montana.

#347218
STATE OF MONTANA, T
COUNTY OF CHOUTEAU, ss.
Filed DEC 31 1963
at 4:31 o'clock P.
George W. Henry
County Clerk.
by _____
New \$ 2.00 Paid

File No.....

T. 25 R. 15

DUPLICATE

County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964

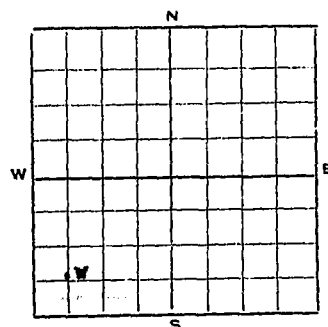
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Arvid B. & Velaura M. Rutledge of Big Sandy
(Name of Appropriator) (Address) (Town)

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



SW 1/4 Sec. 30 T. 25 R. 15

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

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

November 1957

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

10 gallon

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

windmill

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

November 1957

completion same

8. The depth of water table

49 feet

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

6 inch casing 50 feet deep

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

none

Signature of Owner

Velaura M. Rutledge

Date 12-30-67

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.

26168

(Name of Applicant)
(Address)
(Town)

County of _____
have appropriated groundwater according to the Montana law in effect prior to January 1, 1963, as follows:

1. The beneficial use to which the water is put is:

2. Date on which the water was first put to use and how continuous the use has been:

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

4. It is used for irrigation, for the raising and feeding of the stock to which water has been applied and name of the owner thereof:

5. The name of the well or other means of withdrawal and the location of each well or other means of withdrawal:

6. The name of the well or other means of withdrawal and the location of each well or other means of withdrawal:

7. The name of the well or other means of withdrawal and the location of each well or other means of withdrawal:

8. The name of the well or other means of withdrawal and the location of each well or other means of withdrawal:

9. The name of the well or other means of withdrawal and the location of each well or other means of withdrawal:

10. The name of the well or other means of withdrawal and the location of each well or other means of withdrawal:

11. The name of the well or other means of withdrawal and the location of each well or other means of withdrawal:

12. The name of the well or other means of withdrawal and the location of each well or other means of withdrawal:

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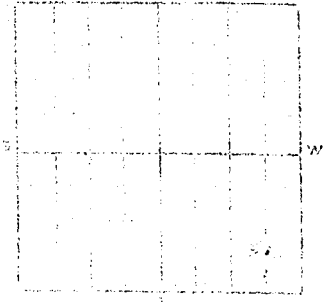
26. The name of the well or other means of withdrawal and the location of each well or other means of withdrawal:

27. The name of the well or other means of withdrawal and the location of each well or other means of withdrawal:

28. The name of the well or other means of withdrawal and the location of each well or other means of withdrawal:

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30. The name of the well or other means of withdrawal and the location of each well or other means of withdrawal:



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

346838

STATE OF MONTANA
COUNTY OF CHOTEAU

Filed DEC 30 1963

at 10:00 o'clock a.m.

By _____

at _____

per _____

GW 3

File No.

DUPLICATE

T. 25 R. 15

County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964

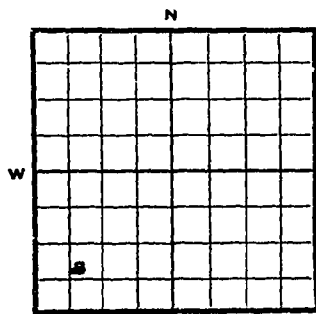
STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater December 24, 1963Owner Arvid B. and Velma M. RutledgeAddress Rt. 2, Sandy, MontanaContractor (if any) GillispieAddress of Contractor unknownDate Started AUG. 1945 Date Completed Sept. 1945

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



SW 1/4 Sec. 30 T. 25 R. 15

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 9 months for stockwater

Signature of Owner

Arvid B. Rutledge
Velma M. Rutledge

Date 12-30-63

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

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

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

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

26167

County of Chouteau, State of Montana, do hereby certify that the following is a true and correct copy of the original as the same appears in the records of the County Clerk of said County, to-wit:

1. A certain plat of land, situated in the Northwest 1/4 of Section 34, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

2. A certain plat of land, situated in the Southeast 1/4 of Section 34, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

3. A certain plat of land, situated in the Southwest 1/4 of Section 34, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

4. A certain plat of land, situated in the Northeast 1/4 of Section 34, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

5. A certain plat of land, situated in the Northwest 1/4 of Section 35, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

6. A certain plat of land, situated in the Southeast 1/4 of Section 35, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

7. A certain plat of land, situated in the Southwest 1/4 of Section 35, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

8. A certain plat of land, situated in the Northeast 1/4 of Section 35, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

9. A certain plat of land, situated in the Northwest 1/4 of Section 36, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

10. A certain plat of land, situated in the Southeast 1/4 of Section 36, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

11. A certain plat of land, situated in the Southwest 1/4 of Section 36, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

12. A certain plat of land, situated in the Northeast 1/4 of Section 36, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

13. A certain plat of land, situated in the Northwest 1/4 of Section 37, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

14. A certain plat of land, situated in the Southeast 1/4 of Section 37, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

15. A certain plat of land, situated in the Southwest 1/4 of Section 37, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

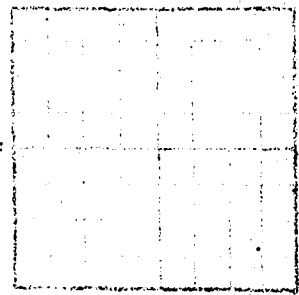
16. A certain plat of land, situated in the Northeast 1/4 of Section 37, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

17. A certain plat of land, situated in the Northwest 1/4 of Section 38, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

18. A certain plat of land, situated in the Southeast 1/4 of Section 38, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

19. A certain plat of land, situated in the Southwest 1/4 of Section 38, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.

20. A certain plat of land, situated in the Northeast 1/4 of Section 38, Township 12 North, Range 10 East, 2nd Meridian, containing 40 acres, more or less, was duly recorded in the County Clerk's office on the 15th day of December, 1953.



Witness my hand and the seal of said County, this 15th day of December, 1953.

#346837
STATE OF MONTANA, 1953
COUNTY OF CHOUTEAU
Filed DEC 30 1953
at 10:00 o'clock AM
George L. Perry
County Clerk
200

GW

File No.

DUPLICATE

T. 25 N R. 15 E 31
County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

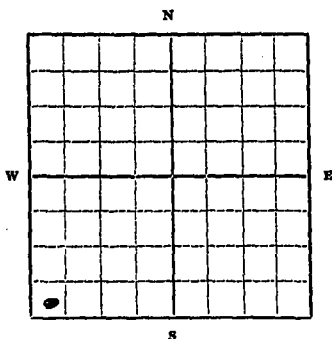
RECEIVED
DEC 12 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Louis F. Beeler, of Big Sandy
(Name of Appropriator) (Address) (Town)
County of Chouteau State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 31, T25 R15

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 and farm use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1946 continuously

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof gardens in SW 1/4 Sec 31, T25 R15 Louis Beeler

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 1946

8. The depth of water table 80 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled well 8 inch casing 80 ft deep

10. The estimated amount of groundwater withdrawn each year 730,000 gallons

11. The log of formations encountered in the drilling of each well if available Mostly Blue shale until water was hit

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 Louis F. Beeler

Date December 11, 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 School of Mines and Quadruplicate for the Appropriator.

2686

342772

Louis F. Beeler

-to-

The Public

Filed Dec. 11, 1962
at 11 o'clock A. M.

George W. Harvey, Co. Clerk

By Irma M. Harris, Deputy

Fee \$2.00 paid

GW 3

File No.....

DUPLICATE

T 25 R 15 East

County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963

STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater October 1, 1948

Owner Lester Rutledge & Jennie Rutledge

Address Big Sandy, Montana

Contractor (if any) None

Address of Contractor None

Date Started Oct. 1, 1948 Date Completed Oct. 12, 1948.

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

Spring is used for livestock.

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

The water is used for livestock and there is more than the cattle will use at the present time. There should be a flow of 50 gallon per minute.

Signature of Owner Lester Rutledge & Jennie Rutledge

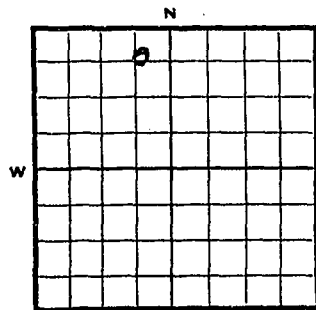
Date December 9, 1963

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

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

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

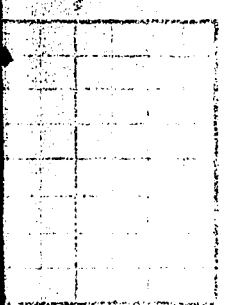
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.



NW 1/4 Sec. 31 T25 R.15

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

11203



Not a true copy of the original
subject to the original

There is a discrepancy in the original and the copy
which has been pointed out to the original
and the copy has been corrected.
The original is now correct and the copy
is also correct.

The original is now correct and the copy
is also correct.

346501

STATE OF MICHIGAN
COUNTY OF CHOCATEAU
Filed DEC 19 1963 IF
at 3:00 o'clock P.
George W. Harvey
County Clerk
By Emma M. Harris Deputy
Fee \$ 2.00 Paid

File No.

DUPLICATE

T. 25 R. 15

County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS

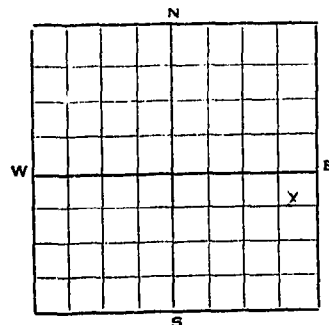
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Robert C. Yusa, of Big Sandy
(Name of Appropriator) (Address) (Town)

County of Chouteau State of Montana

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



NE 1/4 Sec. 33 T. 25 R. 15

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

livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 195

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

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

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

windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1953

8. The depth of water table 160

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

10. The estimated amount of groundwater withdrawn each year 50,000

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

Robert C. Yusa

Date 12/10/63

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

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

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

25947

346555

STATE OF MONTANA, T.
COUNTY OF CHOUTEAU, 1st.

Filed December 23 1903
at 11:00 o'clock a
George W. Harvey
County Clerk
by Walter M. Jewell Deputy
- 2.00 Paid

GROUNDWATER INDEX

Page 1 of 1

County Chautauq Twp. 25 N Rge. 16 E

[illegible]

GW 3

MONTANA WATER RESOURCES BOARD

RECEIVED

File No. _____

T. 25N. R. 16E

DUPLICATE

DEC 6 1971

County Choteau

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)

Doc. No. 365-535
Filed for record
this 3 day of December
A. D. 19 71, at 11:30
o'clock A M.

Date of Appropriation of Groundwater 6-1-71

Owner I X Ranch Co.

Address 317 Sandy, Montana

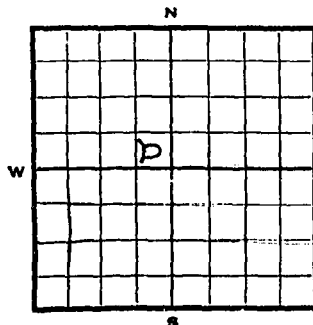
Contractor (if any) Thomas Maxwell

Address of Contractor 317 Sandy, Montana

Date Started 5-25-71 Date Completed 6-1-71

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

* Surface area 1.0 acres, storage capacity 3.2 acre-ft.



SE 1/4 NW 1/4 Sec. 2, T25N R16E

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 5-25-71 to 6-1-71

Signature of Owner Arthur H. Roth, Jr.
I X Ranch Co. by Arthur H. Roth, Jr.
Date 11-29-71

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.

49534

STATE OF MONTANA
DEPARTMENT OF AGRICULTURE
OFFICE OF STATE ENGINEER

NOTICE OF CONSTRUCTION OF UNDERGROUND APPROPRIATION

Contract No. _____

Date of Appropriation _____

No. _____

Owner _____

Plan No. _____

City _____

Section _____

Contractor (Name) _____

Address of Contractor _____

Date Started _____

Date Completed _____

Description of work to be done, including the location of the work, the nature of the work, and the estimated cost of the work. Also include a description of the water to be appropriated, its source, and its use.

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

Quantity of water developed and used, and the estimated cost of the work. Also include a description of the water to be appropriated, its source, and its use.

Signature of Owner _____

I, _____, do hereby certify that the above is a true and correct copy of the original.

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; duplicate to the School of Mines; and quadruplicate for the Appropriator.

State of Montana, } ss.
County of Chouteau, }
I, the undersigned, Clerk of the County of Chouteau, do hereby certify that the within and foregoing is a true and correct copy of the original as the same appears from the records of the County of Chouteau, Montana.

74-36553-5
STATE OF MONTANA, } ss.
COUNTY OF CHOUTEAU, }
Filed DEC 3 1971 19 71
at 11:30 o'clock A M.
George W. Henry
County Clerk
By _____ Deputy
Fee \$ 2.40 Paid

File No. _____

T 25 R 16 Sec. 7

DUPLICATE

County _____

Top of Ground

(Elev. above sea level.....)

0 top soil
 7 clay
 30 sand and gravel
 46 sandy clay
 65 grey shale
 87 sandstone dry
 142 sandstone water

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner J. O. Brewer Address Big Sandy MontanaDriller Simpson Drilling Co. Address Malta, Montana

Date of Notice of appropriation of ground water _____

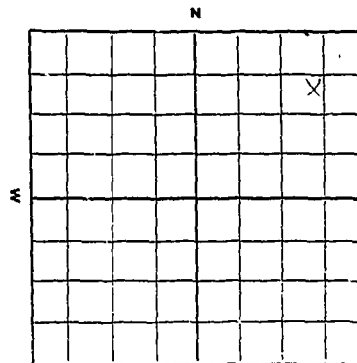
Date well started 12/12/62 Date Completed 12/14/62

Type of well Drilled Equipment used Cable Tools
 (dug, driven, bored or Churn, drill, rotary or
 drilled) 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)
5"	4" 11 lbs	0	142	3/16	87	141



NE 1/4 Sec. 7 T. 25 R. 16
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

142

Shew exact depth of bottom.

Static Water Level for non-flowing well 19 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 120 feetat 5 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested bailerLength of Test 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; _____)

15

Driller's License Number

Driller's Signature

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

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

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

26133

at 8:30 o'clock a.m.
George W. Harvey
Court Clerk
John M. Jewell
25 Paid

22

File No. 371503

T. 25 R. 16

DUPLICATE

6-29-73

400 pm

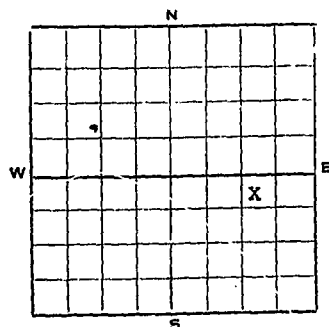
County CHOUTEAU

STATE OF MONTANA
AUG 2 1973
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. James O. Brewer, of Big Sandy,
(Name of Appropriator) (Address) (Town)

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



NE 1/4 Sec. 12 T25 R16

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 con-
tinuous the use has been 1955

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
none

6. The means of withdrawing such water from the ground and the loca-
tion 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 with-
drawal of groundwater 1955

8. The depth of water table 30 feet

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

10. The estimated amount of groundwater withdrawn each year

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

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. unknown

Signature of Owner

James O. Brewer

Date June 26, 1973

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.

56283

STATE OF MONTANA
COUNTY OF MISSOULA

Filed JUN 29 1973

4:00 P
Sheriff Harvey

Deputy

LEV N

GW 3

RECEIVED

File No.

AUG 2 1973 T. 25 R. 16

ORIGINAL

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

County Chouteau

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 1965

Owner..... Robert V. Darlington

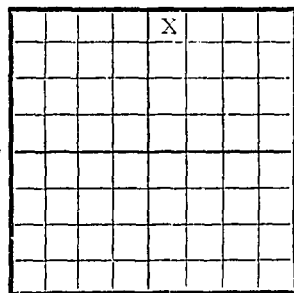
Address..... Big Sandy, Montana 59520

Contractor (if any) none

Address of Contractor

Date Started..... May 1965 Date Completed..... May 1965

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. developed dug out spring w/tank and piped



NW 1/4 NE 1/4 Sec. 19 T. 25 R. 16

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

371531
6-29-73
4:00 pm

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 year around - stock water

flows 2 gal per minute

Signature of Owner..... Robert V. Darlington

Date..... June 26, 1973

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.

56270

#371531

JUN 22 1972

Hico

P

By...

2000...

GW2

File No.

DUPLICATE

RECEIVED
JUN 15 1962

T. 25N R. 16E

County. Choteau

STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner. Ruth B. Han Address. Big Sandy, Montana

Driller. Lloyd G. Hanberg Address. Box Rider, Montana

Date of Notice of Appropriation of Groundwater April 11, 1962

Date well started April 11, 1962 Date Completed April 18, 1962

Type of well drilled Equipment Used. spudder
(dug, driven, bored or (Churn, drill, rotary or
drilled) 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. 2860)
0	top soil
1	yellow clay
3	sandy yellow clay
12	gravelly clay
36	sandy yellow clay
55	grey shale
65	sandy green shale
68	green shale
70	grey shale
76	grey sandy shale
80	grey shale
85	87 brown shale
87	grey sandy shale
97	very sandy grey shale
101	hard shell
110	light tan shale
114	grey shale
123	hard shell, grey shale
125	grey shale, sandy
128	grey shale
137	grey sandy shale
156	green sandy shale
165	grey sandstone
175	hard shell
177	grey shale, sandy
181	brown shale, sandy
185	brown sandstone
199	grey sandstone
204	light tan shale, sandy
216	grey sandy shale
228	light tan shale, sandy
239	hard shell
240	grey sandy shale
253	brown sandy shale
270	grey sandstone
300	grey sandstone, show of water
330	grey sandstone well completed

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 5/8"	6" OD 10.50	0	330	slot	280	330

Static Water Level for non-flowing Well. 290 feet.

Shut-in Pressure for Flowing Well none

Pumping Water Level. 290 feet at 14 gal. per minute.

Discharge in gal. per min. of flowing well none

How Tested. bailer Length of Test. 2 hrs.

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

acres irrigated, if used for irrigation) none

SW 1/4, Sec. 33 T. 25N R. 16E

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

Show exact depth of bottom.

State License #6

Driller's License Number

Lloyd G. Hanberg
Driller's Signature

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

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

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

869

#341197

STATE OF MONTANA,
COUNTY OF CHOUTEAU.

Filed June 14 1962

at 3:00 o'clock P. M.

George W. Harvey
County Clerk

By *James M. Davis* Deputy

Fee \$ 1.00 Paid

File No. _____

T 25N
Sec, 36

R 16E

News, Malta

36

DUPLICATE

Top of Ground

(Elev. above sea level.....)

open pit

sand

gravel

18
38
39STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater
Appropriation by Means of Well

JAN 7 1964

(Under Chapter 237, Montana Session Laws, 1961)

Owner J O Brewer

Address State Engineer, Montana

Driller Simpson Drilling Co.

Address Malta, Montana

Date of Notice of appropriation of ground water

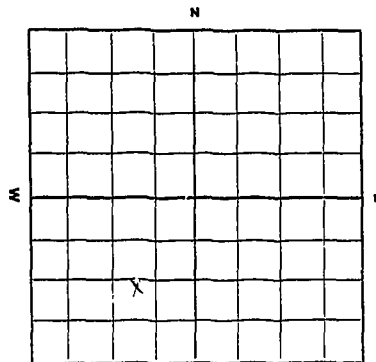
Date well started 12/10/62

Date Completed 12/11/62

Type of well Drilled
(dug, driven, bored or
drilled)Equipment used Cable tools
(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)
7"	6" 15lbs	08	39			

Static Water Level for non-flowing well
18 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 33 feet

at 12 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailer

Length of Test 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)

S E 1/4 Sec 36 T 25N R 16E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

39

Show exact depth of bottom.

15

Driller's License Number

Driller's Signature

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

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

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

26135

Filed Dec 30 1968 19 68
 at 8:00 o'clock a
George W. Harvey
 County Clerk
Robert M. Jewell
 Deputy
2.00 Paid

GROUNDWATER INDEX

Page 1 of 1

County Chautauq Twp. 25N Rge. 17E

[illegible]

GW 3

MONTANA WATER RESOURCES BOARD

RECEIVED

DEC 6 1971

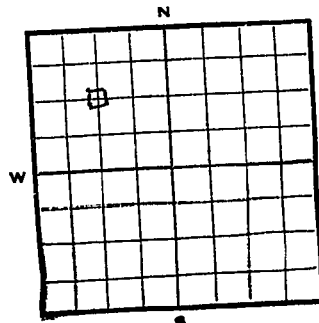
File No.

DUPLICATE

T. 25N R. 17E
County ChoteauSTATE 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)

Doc. No. 365533
Filed for record
this 3 day of December
A. D. 19 71, at 11:30
o'clock A.M.Date of Appropriation of Groundwater May 21, 1971Owner I X Ranch Co.Address Big Sandy, MontanaContractor (if any) Thomas MaxwellAddress of Contractor Big Sandy, MontanaDate Started 5-15-71 Date Completed 5-21-71Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Excavation 29 ft. Cu. Yd.Stockwater Pit.

NW 1/4 Sec. 9 T25N R17E

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 3-4 months

Signature of Owner

Arthur H. Roth, Jr.
I X Ranch Co. by Arthur H. Roth, Jr.
Date 11-29-71

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

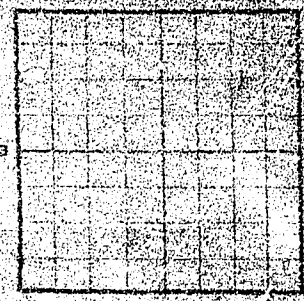
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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.

49536

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365833

STATE OF MONTANA } ss.
COUNTY OF CHOUTEAU }

Filed DEC 3 1971 19
at 11:30 o'clock A.M.

George W. Henry
County Clerk

By Deputy
200

Fee \$ Paid

File No. _____

T. 25N R. 17E 19

DUPLICATE

County Choteau

Top of Ground
 0 (Elev. above sea level _____)
 8 Sandy soil
 18 Gravel, trace of water
 34 Grey clay
 39 Blue clay
 62 Blue shale
 69 Sandy grey shale
 82 Blue shale-gritty
 89 Sandy Grey shale
 94 Blue-grey shale
 101 Grey sandstone-dry
 107 Sandy Grey shale
 116 Blue shale-gritty
 124 Sandy Grey shale
 133 Blue shale
 137 Brown shale
 142 Blue-grey shale
 148 Blue shale
 154 Sandy blue-grey shale
 158 Light grey shale-soft
 178 Grey sandstone-water approx.
 179 Hard shell

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
 Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)
 Owner James O. Brewer Address Big Sandy, Montana
 Driller Simpson Drilling Co. Address Malta, Montana

Date of Notice of appropriation of ground water _____

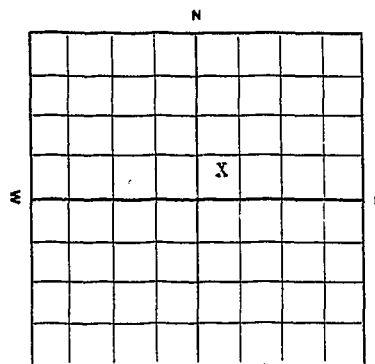
Date well started Dec. 15, 1962 Date Completed Dec. 31, 1962

Type of well Drilled Equipment used Churn
 (dug, driven, bored or Churn, drill, rotary or
 drilled) 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 H	From (Feet)	To (Feet)
5	4" O D 10.75	2' Ground	179	drilled	158	179



SW 1/4 NE 5 Sec. 19 T 25N R 17E
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well 42 feet.

Shut-in Pressure for Flowing Well Not applicable

Pumping Water Level 154 feet

at _____ gal. per minute.

Discharge in gal. per min. of flowing well Not applicable

How Tested Baler & Cylinder pump

Length of Test 3 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) Packers placed at 156 to 158 & 46 to 42 ft. levels.

46

Driller's License Number

Robert Brewer
 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.

26134

[illegible][illegible]

at 8:03 o'clock a.m.
George W. Harvey
Vicki M. Jewel County Clerk
 By George W. Harvey Deputy

File No.

DUPLICATE

371506
6-29-73
400 p.m.

T. 25 R. 17

County CHOUTEAU

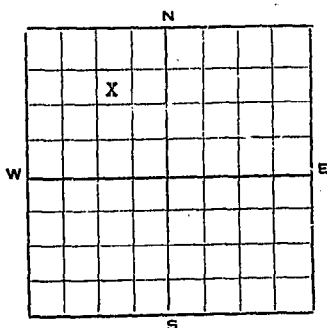
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. JAMES O. BREWER, of Big Sandy,
(Name of Appropriator) (Address) (Town)

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



NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 31 T. 25 R. 17

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
1960

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1960

8. The depth of water table
20 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
Culvert - 4 ft. - Gas engine driven pump

10. The estimated amount of groundwater withdrawn each year

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

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
unknown

Signature of Owner James O. Brewer

Date June 26, 1973

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.

56280

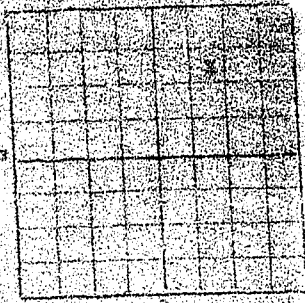
2. The best land use on which the claim is based is stock raising

3. Date of approximate date of earliest beneficial use, and how long it has been used is 1930

4. The amount of groundwater claimed (in miners' inches or gallons per minute) is 500

5. It is 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 in the ground and the location of each well or other means of withdrawal



The date of commencement and completion of the construction of the well, well or other works for withdrawal of groundwater is 1931

The depth of water table is 100 feet

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

The estimated amount of groundwater withdrawn each year and the estimated amount of groundwater available in the vicinity of each well is 500 and 1000 respectively

For other information to a similar nature as may be found in any of the books and pages of any county record, the applicant has referred to the books and pages of any county record

#371506

STATE OF MONTANA }
COUNTY OF CHOUTEAU } ss.

Filed JUN 29 1973 19

at 4:00 o'clock P.M.

George W. Henry
County Clerk

By _____ Deputy

Fee \$ _____ Paid

Page / of /

County Chouteau Twp. 24N Rge. 4E

[illegible]

GW 3

File No.

DUPLICATE

T. 24 R. 4

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964

STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater November 15, 1958

Owner William L. Nelson

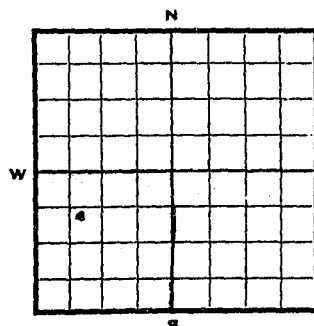
Address Dutton, Montana

Contractor (if any) None

Address of Contractor None

Date Started Nov. 15, '58 Date Completed Nov. 15, '58

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



SW 1/4 Sec. 9 T24N R4E

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 intermittently for domestic use
and livestock. Used in Spring, Summer
and Fall.

Signature of Owner William L. Nelson

Date December 20, 1963

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

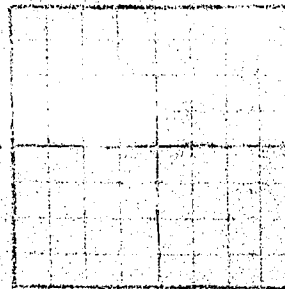
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

26406

It is the duty of the court to see that the law is properly administered and that the rights of the parties are protected.



The court is of the opinion that the evidence is sufficient to sustain the verdict of the jury.

It is the duty of the court to see that the law is properly administered and that the rights of the parties are protected.

The court is of the opinion that the evidence is sufficient to sustain the verdict of the jury.

The court is of the opinion that the evidence is sufficient to sustain the verdict of the jury.

The court is of the opinion that the evidence is sufficient to sustain the verdict of the jury.

#347103
STATE OF MONTANA
COUNTY OF CHOUTEAU
Filed DEC 31 1963
at 4:30 o'clock
George W. Harris
County Clerk
By Deputy
200 Paid

CW 3,

File No.

DUPLICATE

RECEIVED

FEB 3 - 1971

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

T. 24 N. R. 4 E

County. Chouteau

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner. Roger DeBruycker

Address. 7 Lower 9th

Contractor

Date Started 1962

Date Completed 9-24-68

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

with back hoe filled the hole with rocks and inserted pipe.

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 20

gallons per hr. measured with five gallon car. spring runs steadily

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

SW 1/4 Sec. 11 T. 24 N. R. 4 E

Doc. No. 363567
Filed for record
this 2 day of February
A. D. 1971, at 2:30
o'clock P. M.

Signature of Owner

Roger DeBruycker
Date 2-2-71

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.

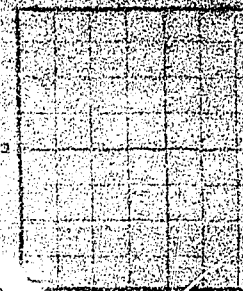
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

48088

State of Montana
County of Chouteau
In the District Court of the State of Montana
in and for the County of Chouteau
Docketed for the year 1937

Plaintiff, *[illegible]*
vs.
Defendant, *[illegible]*



That the above named defendant is the owner and possessor of the following described land to-wit: *[illegible]*
That the above named plaintiff is entitled to the possession of the above described land by virtue of a judgment rendered in the District Court of the State of Montana in and for the County of Chouteau on the 12th day of January, 1937, in favor of the plaintiff and against the defendant.

STATE OF MONTANA,
COUNTY OF CHOUTEAU, ss.
Filed **FEB 2 1937**
at **2:30** o'clock **P**M.
[Signature]
County Clerk
By _____ Deputy
Fee \$ **2.00** Paid

GROUNDWATER INDEX

Page 7 of 7

County Montana Twp. 24N Rge. 5E

[illegible]

G. 4

File No.

DUPLICATE

T. 24 R. 5

County Chouteau

RECEIVED
JAN 7 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

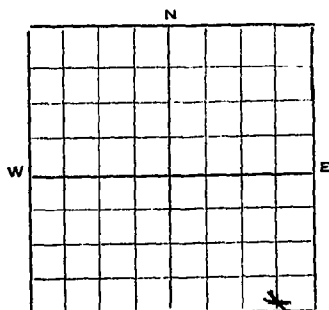
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Harry W. Wadsworth, of _____, (Name of Appropriator) (Address) (Town)

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



SE 1/4 Sec. 21 T. 24 R. 5

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 The date of 1963 from the first

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 2, 1956

8. The depth of water table Eight feet to ten feet

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

10. The estimated amount of groundwater withdrawn each year _____

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

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

Signature of Owner Harry W. Wadsworth

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 School of Mines and Quadruplicate for the Appropriator.

26397

GROUNDWATER INDEX

Page 1 of 1

County Chautauq Twp. 24 N Rge. 6 E

[illegible]

G. 4

File No.

DUPLICATE

T. 24 R. 6 10

County Chouteau

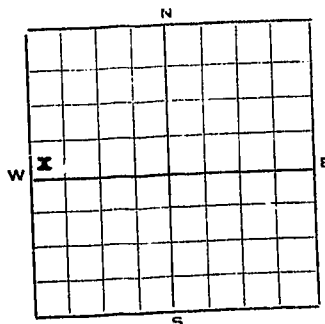
RECEIVED
DEC 18 1963STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Buck Bridge Well Association, of Carter, Montana
(Name of Appropriator) (Address) (Town)
a corporation
County of Chouteau State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NW 1/4 Sec. 10 T24 R. 6

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 Water and Stock Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1960 -- year around
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50,000 gals 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 6 inch pump-electric
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1960
8. The depth of water table 6 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 ft culvert -- 12 feet deep -- 6 inch pump electric thereon
10. The estimated amount of groundwater withdrawn each year 5 Million gals per year
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

Buck Bridge Well Association,

Signature of Owner By: Earl J. Blum
PresidentDate December 17, 1963

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

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

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

10031

Journal of Interpersonal Violence 28(1) 6-17
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sagepub.com/journalsPermissions.nav

1. 1950年10月1日，中华人民共和国成立，标志着中国历史进入了一个新的纪元。这一天，中国人民在中国共产党领导下，结束了长达百年的半殖民地半封建社会，实现了民族独立和人民解放。

1. The first step in the process of developing a business plan is to conduct a thorough market research. This involves identifying the target market, understanding their needs and preferences, and analyzing the competitive landscape. Market research can be conducted through various methods, including surveys, interviews, and focus groups.

THEORY OF LOGARITHMS. BY J. H. COHEN. Pp. 100. 1938. 10s. 6d.

Let \mathcal{Q}_n denote the number of Q -cycles in \mathcal{Q}_n . Then, the proof of \mathcal{Q} is given by the following theorem.

For the purpose of this study, the following hypotheses were formulated:

[illegible]

63

DEC 17 1963

346443

STATE OF MONTANA
COUNTY OF CHEROKEE

DEC 17 1963

at 2:00 o'clock P.M.

2:00 o'clock

George W. Harvey
County Clerk

28 Jama M. Harris RECEIVED

\$ 2.00 Paid

RECEIVED

JUN 11 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 24 R. 6
County Chouteau

15

WATER WELL LOG

Owner Ennett and Nelson Address Carter, Montana
Driller Carter Well Drillers Address Carter, Montana
Date Started May 21, 1958 Date Completed Sept. 30, 1958
Location: Sec. 15 T. 24 R. 6 1/4 sec. N.W. 1/4

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: 0 ft. to 73 ft. Type galv. Size 6 in. I.S.

Casing: 73 ft. to 547 ft. Type black Size 6 in. I.S.

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

Perforated or Screened: Ft. _____ to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations: _____

Static Water level, for non-flowing well: about 250 ft. to water feet.

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

Pumping water level unknown feet at _____ gal. per min.

How tested: submersible pump

Length of test: 65 hours

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

(over)

WATER WELL LOG

Owner: Emmett and Nelson

Address:

Driller: Carter Well Drillers

Address:

Date Started: May 21, 1958

Date Completed: Sept. 30, 1958

Location: Sec. 15 T. 24 R. 6 1/4 sec. N. 1/4

Type of well: Drilled

(Dig, driven, bored, or drilled)

Equipment used:

Churn

(Churn, drill, rotary, other)

Water use: Domestic



Municipal



Stock



Irrigation



Industrial



Drainage



Other:

Casing: 0 ft. to 73 ft.

Type: galv.

Size: 6 in. I. P.

Casing: 73 ft. to 547 ft.

Type: black

Size: 6 in. I. P.

Casing: ft. to ft.

Type:

Size:

Perforated or Screened: Ft.

to ft.

Ft.

to ft.

Type of screen or perforations:

Static Water level, for non-flowing well: about 250 ft. to water feet

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

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

How tested: submersible pump

Length of test: 65 hours

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

(over)

Log of Well

[illegible]

RECEIVED

DEC 17 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T 24 R 6 E

County Chouteau

28

WATER WELL LOG

Owner Fred Fishbaugh Address Carter, Mont.

Driller O. Thatcher Address Stanford, Mont.

Date Started Aug., 20, 1959 Date Completed 8/29/59

Location: Sec. 28 T. 24 R. 6 E ¼ sec. SWSE

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other: _____

Casing: 0 ft. to 1619 ft. Type Galv. Size 2"

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

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

Perforated or Screened: Ft. _____ to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations Cut with cutting torch

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

Shut-in pressure, for flowing well: 74 lbs. lb./sq. in. on: 11/23/59
(date)

Pumping water level _____ feet at _____ gal. per min. 20

How tested: _____

Length of test: _____

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

Cemented with 6 sacks cement. Shut off valve at 6 feet, 3/4

1 1/2" valve.

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	59	Mud and gravel
59	254½	Alt. Blue shale and sandstone
254½	255	Hard sandstone
255	259	Blue shale and sandstone
259	260	Sandstone
260	270	Blue shale
270	385	Alt. sandy shale and sandstone
385	473	Alt. Blue shale and hard sandstone
473	580	Alt. sandstone and sandy shale
580	575	Sandy shale with thin layers of sandstone
675	730	Hard and soft sandstone
730	795	Hard and soft sandstone
795	822	Sandy blue shale
822	893	Hard and soft sandstone
893	895	Hard sandstone
895	920	Sandy shale with thin layers of hard sandstone
920	1040	Sandy shale
1040	1193	Sandstone
1193	1230	Hard sandstone and blue sandy shale
1230	1300	Red shale (red shale between 1210 and 1220)
1300	1350	Red shale alt. with sandy shale
1350	1365	Sandy red shale
1365	1377	Red shale and muddy
1377	1408	Red shale and muddy
1408	1458	Red shale sandy shale and sandstone
1458	1500	Alt. hard sandstone and shale
1500	1578	Sandy shale alt. hard sandstone
1578	1619	Alt. soft and hard sandstone

RECEIVED
JAN 21 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 24 R. 6
County Chouteau

WATER WELL LOG

		X

Owner Walter Pascoe Farms Address Carter, Montana
Driller Walter Pascoe Address Carter, Montana
Date Started March 1957 Date Completed May 1958
Location: Sec. 29 T. 24 R. 6 1/4 sec. 3.1 of NE 1/4

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other: _____

Casing: 0 ft. to 157 ft. Type iron Size 8 in. P.D.
Casing: 0 ft. to 535 ft. Type iron Size 6 5/8 in. O.D.
Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. None to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: 250 ft. feet.

Shut-in pressure for non-flowing well: None lb./sq. in. on: April 28, 1958

Pumping water level: 330 feet at 20 gal. per min.

How tested: Baled

Length of test: 2 hours

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

Eight inch casing cemented in at 157 ft., and 6 5/8 casing cemented
at 535 ft., allowing gas to escape and preventing entry into well of
alkali and other bad water from above 535 feet.

(over)

Log of Well

[illegible]

34

County **CHOUTEAU**

RECEIVED
DEC 4 1961

STATE ENGINEER

Location: Sec. 34 T. 24 R. 6 $\frac{1}{4}$ sec. SE SW

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

(over)