File No.....

DUPLICATE

T. 21 R. 11

County. Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

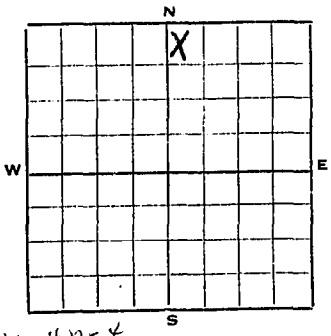
RECEIVED
JAN 7 1964
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Matt C. Buck, of Geraldine
(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:



NW4 NE4
~~NE 1/4 SE 1/4~~ Sec. 13 T22 R 11

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 1962 used every day.

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1962 since the fall.

8. The depth of water table 4 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 spring 4 2 in. by 16 ft.

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 The estimated amount of groundwater withdrawn each year 200,000 gal

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

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

Signature of Owner Matt Buck

Date 12-31-1963

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 School of Mines and Quadruplicate for the Appropriator.

26377

have a appropriate priority according to the Montana law in effect prior to January 1, 1973, as follows:

2. The body of water on which the claim is based .....

3. Take a approximate date of earliest beneficial use; and how continuous the use has been .....

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

5. If used for irrigation, give the average 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 such well or other means of withdrawal .....

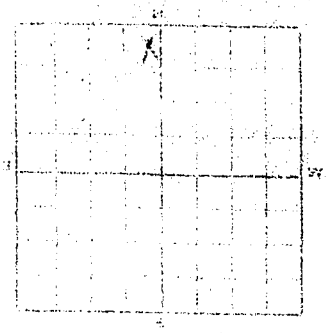
7. The dates of commencement and completion of the ditch, well, or other works for withdrawal of groundwater .....

8. Give the name and address of the owner of the land upon which the well or other works for withdrawal of groundwater are located .....

9. Describe the nature and extent of any other work in the development of groundwater .....

10. Describe the place of use, including .....

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



#347074

STATE OF MONTANA, }
COUNTY OF CHOUTEAU } ss.

Filed DEC 31 1973 19

at 4:00 o'clock P.M.

County Clerk

By _____ Deputy

Fee $ 2.00 Paid

File No.....

T. 22 N R. 11 E 14

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

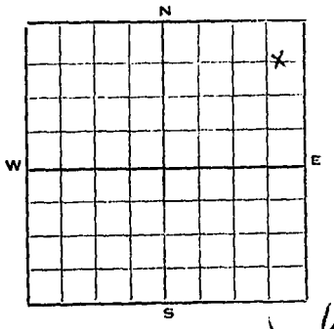
RECEIVED
JAN 7 1964
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Arnold Anderson, of Box 243 Gildford 59446
(Name of Appropriator) (Address) (Town)

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



NE¼NE Sec. 14 T. 22 N R. 11 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 water lawn & garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1916 to date

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Somewhere around 1916

8. The depth of water table Approximately 12'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater no other wells that are any good

10. The estimated amount of groundwater withdrawn each year 120,000 gal

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none to my knowledge not applicable

Signature of Owner Arnold Anderson

Date Dec. 23 - 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.

26080

34673 2

STATE OF MONTANA, }
COUNTY OF CHOUTEAU } ss.

Filed DEC 27 1963 at

8:00 A.M.

County Clerk

By _____ Deputy

Fee $ 2.00 Paid

RECEIVED
JUN 9 1959
STATE ENGINEER

T. 22 N. R. 11 E.

County Chouteau

27

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Fred Myth Address Geraldine, Montana

Driller C. C. Thatcher Address Box 498 Stanford, Montana

Date Started May 23, 1959 Date Completed June 6, 1959

Location: Sec. 27 T. 22 R. 8 ¼ sec. 11 E.

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

Water use: Domestic [x] Municipal [ ] Stock [x] Irrigation [x]

Industrial [ ] Drainage [ ] Other:

Casing: 0 ft. to 1918 ft. Type galvanized Size 2"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated ~~[illegible]~~: Ft. 1838 to ft. 1918 Ft. to ft.

Type of screen or perforations slots

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

Shut-in pressure, for flowing well: 150 lb./sq. in. on: June 6, 1959 (date)

Pumping water level feet at gal. per min. 50

How tested: pressure gauge

Length of test 24 hours

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

casing is cemented and shut-off is six (6) feet under the ground.

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	42	Overburden-yellow clay and fine gravel.
42	235	Blue shale.
235	786	Blue shale with layers of medium hard sandstone.
786	1075	Blue shale with layers of hard sandstone.
1075	1143	Sandy blue shale.
1143	1305	Alternate layers of blueshale and hard sandstone.
1305	1363	Soft blue shale.
1363	1610	Layers of blue shale and hard sanstone alt.
1610	1675	Red shale
1675	1790	Layers of red shale and hard sandstone alt.
1790	1845	Very hard sandstone.
1845	1918	Soft sandstone (water)

File No.....

T. 22 N R. 11 E

DUPLICATE

County Chouteau

RECEIVED
JUL 22 1963
STATE ENGINEER

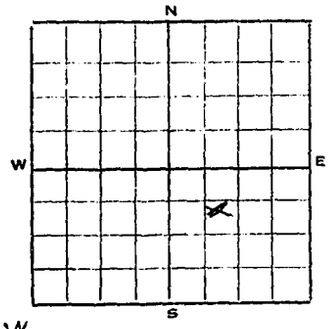
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Fred J. Blyth, of Geraldine-Geraldine Montana
(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 SE ¼ SE Sec. 30 T22 R11

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 July 1956 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 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 location of each well or other means of withdrawal pump &windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 2 to July 6 1956

8. The depth of water table 16 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 casing is 4 feet by 16 feet

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

11. The log of formations encountered in the drilling of each well if available
lome 4 ft. clay 8ft. sand & gravel 4 ft.

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 Fred J. Blyth

Date May 9, 1963.

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

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

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

5109

344991
Sec. 30-22-11

STATE OF MONTANA, }
COUNTY OF CHOUTEAU, } ss.

Filed JUL 19 1962 19____

at 2:30 o'clock P M.

George W Harris
County Clerk

By _____ Deputy.

Fee $2.00 Paid

GROUNDWATER INDEX

County Chouteau Twp. 22N Rge. 12E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
3	Frank R. Fairbanks	GW4	346688	
5	Elmer G. Hammel	GW4	347116	
6	George W. Harvey	GW4	346247	
8	Arnold H. Engellant	GW3	346188	
15	Arnold H. Engellant	GW4	346189	
18	Matt. C. Buck	GW4	347075	
21	Charles F. Stood	GW4	346130	
22	Arnold H. Engellant	GW4	346187	
26	Warren Woodburn	GW4	347001	
29	Henry Goldhahn	GW2	342503	
28	Henry Goldhahn	GW4	346398	
28	Henry Goldhahn	GW4	346397	
32	George W. Van Vorst	GW4	347525	
33	George W. Van Vorst	GW4	347524	
36	John A. Engellant	1958	No #	

File No. F

DUPLICATE

T. 22N R. 12E-MM

County Choteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

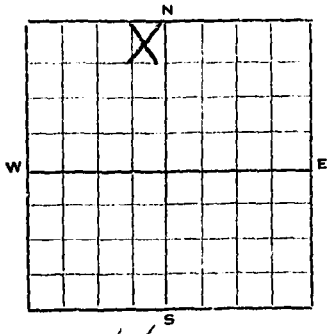
RECEIVED
JAN 7 1964
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Frank R. Fairbanks, of Geraldine,
(Name of Appropriator) (Address) (Town)

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



NE 1/4 NENW Sec. 3 T. 22 R. 12

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 and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Summer 1913; intermittent to 1950 and continuous to this date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 One acre - lawn & garden by pipe line on own land

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater summer 1913 and further improvement summer of 1946

8. The depth of water table Sandstone layer water bearing approx. 6 to 7 ft depth

9. So far as it may be available, the type, size and depth of each well of the general specifications of any other works for the withdrawal of groundwater drilled well with 6 inch casing 125 feet deep, equipped with pump with 2 hp power pump.

10. The estimated amount of groundwater withdrawn each year 300,000 gallons

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

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

Signature of Owner Frank R. Fairbanks

Date Dec. 22, 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.

26046

346688

STATE OF MONTANA,
COUNTY OF CHOUTEAU, ss.

Filed DEC 26 1983

at 11:30 o'clock A.M.

George W. Harvey
County Clerk

By Irma M. Harris Deputy

Fee 2.00

File No.....

DUPLICATE

T. 22 R. 12 5

County. Choteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

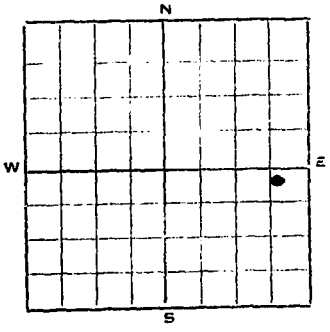
RECEIVED JAN 7 STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Elmer G. Dammel, of Geraldine
(Name of Appropriator) (Address) (Town)

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



NE 1/4 SE 1/4 Sec. 5 T22 R12

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Use has been continuous since 1923

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 gallons per min

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 3/4 horse jet pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 1923

8. The depth of water table 35 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is 30 ft deep and cased with 6" casing has 1" x 1 1/2" jet pump and well pump 700 gallons per hour night & day with about 3 ft down draw is 18 ft to 20 ft

10. The estimated amount of groundwater withdrawn each year 500,000 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 Elmer G. Dammel

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 School of Mines and Quadruplicate for the Appropriator.

26419

#347116

STATE OF MONTANA
COUNTY OF CHOUTEAU, ss

Filed DEC 31 1963 19__

at 4:30 o'clock PM

Margaret Hanson
Clerk

By _____ Deputy

Fee $ 2.00 Paid

File No..... T. 22 R. 12

DUPLICATE County Choutean

RECEIVED
DEC 9 1963
STATE ENGINEER

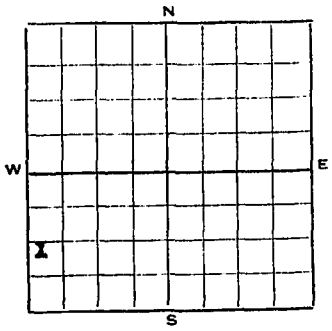
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. George W. Harvey, of Geraldine
(Name of Appropriator) (Address) (Town)

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



SW 1/4 SW Sec. 6 T 22 R 12

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 Household Stockwater Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Dug in 1940 and has been in continuous use in the household, watering stock and irrigation for garden

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

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

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

8. The depth of water table 86'

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" Casing 86' deep

10. The estimated amount of groundwater withdrawn each year 500,000 gals.

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

Signature of Owner George W. Harvey

Date December 6 1963

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

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

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

346247

STATE OF MONTANA,
COUNTY OF CHOUTEAU, } ss

Filed December 6 19 63

at 4:00 o'clock P M

George W. Harvey
County Clerk

By Violet M Jewell Deputy

Fee $ 2.00 Paid

GW 3

File No.....

DUPLICATE

T. 22 R. 12

County Chouteau

RECEIVED
DEC 3 1963
STATE ENGINEER

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 NOT APPLY

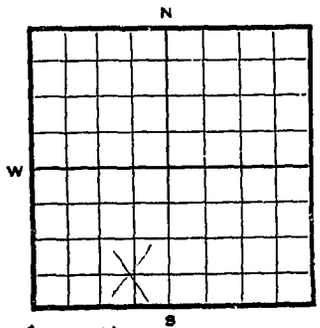
Owner ARNOLD H. ENGELHART

Address Geraldine, Mont.

Contractor (if any) NONE

Address of Contractor —

Date Started N.A. Date Completed N.A.



SE 1/4 SW 1/4 Sec. 8 T22 R12

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

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use 1 GAL. PER MIN. - 1" PIPE

Signature of Owner Arnold Engelhart

Date NOV. 27, 1963

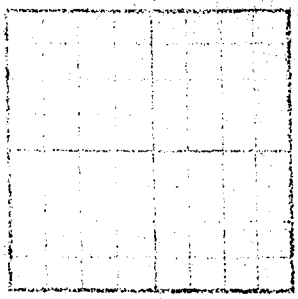
This form to be prepared by contractor (if any), otherwise by the owner.

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.

7735



Indicate point of appropriation and place of use if possible.

#346188

STATE OF MONTANA } ss.
COUNTY OF CHOUTEAU }

Filed December 2 1963
at 10:45 o'clock a.m.
George W. Harvey
County Clerk
by Ivel M. Jewell Deputy
Fee $ 2.00 Paid

GY.

File No.....

DUPLICATE

T. 22 R. 12 15

County Choteau

RECEIVED
DEC 3 1963
STATE ENGINEER

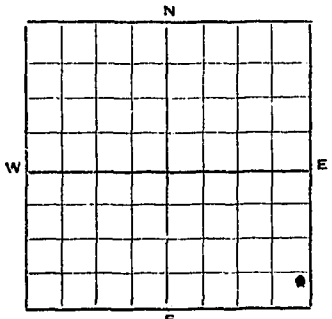
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. ARNOLD H ENGELMANT of GERALDINE
(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 ¼ SE ¼ of SE ¼ Sec 15 T22 R12

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 1948 - USED CONTINUOUSLY

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

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

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 1948

8. The depth of water table 200 feet

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

10. The estimated amount of groundwater withdrawn each year 365000

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 Arnold Engelmann

Date Nov 7 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.

7736

246189

STATE OF MONTANA, }
COUNTY OF CHOUTEAU. } ss.

Filed December 2 19 63

at 10:45 o'clock a M

George W. Harvey
County Clerk

By Violet M Jewell Deputy

Fee $ 2.00 Paid

File No. .....

T. 22 R. 12 18

DUPLICATE

County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964
STATE ENGINEER

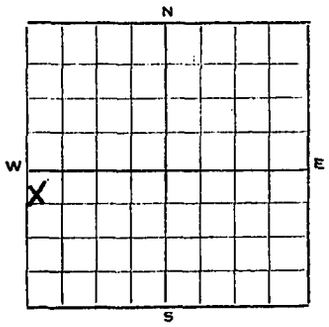
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Matt C. Buck (Name of Appropriator), of (Address) Geraldine (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 W
S W 1/4 Sec. 18 T 22 R 12

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 Home & Cattle

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1926 Has been used continuously

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 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 1926

8. The depth of water table 12 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Hand dug, 3 ft wide 22 ft deep.

10. The estimated amount of groundwater withdrawn each year 365,000

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

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

Signature of Owner Matt Buck

Date 12-31-1963

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 School of Mines and Quadruplicate for the Appropriator.

26378

#347075

STATE OF MONTANA, } ss.
COUNTY OF CHOUTEAU, }

Filed DEC 31 1963 19

at 4:00 o'clock P.M.

County Clerk

By Deputy.

Fee $ 2.00 Paid

File No.....

T 22 R 12

DUPLICATE

County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

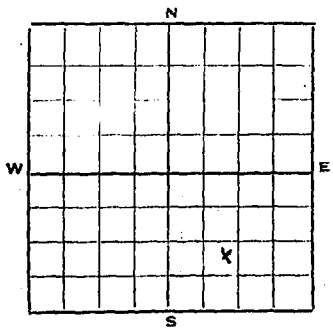
RECEIVED
DEC 2 1963
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Charles F. Stoos, of Geraldine
(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:



1/4 Sec 21 T22 R 12

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 1920- constant

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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
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 1920

8. The depth of water table 18 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 dug well, pipe 48 inches, 18 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
unavailable

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 Charles F. Stoos

Date Nov. 24, 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.

7635

396 130

Groundwater Rights

Charles F Stoos

to

The Public

STATE OF MONTANA, } ss.
COUNTY OF CHOUTEAU. }

Filed for record the 29 day of Nov A. D. 19 63 at 2:45 o'clock P M. and recorded in book of on page records Chouteau County, Montana.

Jacqueline Harvey
County Recorder

By Deputy

Fee $ 2:00 Paid

G\. .

File No.....

DUPLICATE

T. 22 R. 12

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

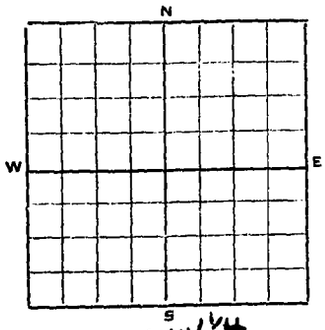
RECEIVED
DEC 3 1963
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. ARNOLD H. ENGELLANT of GERALDINE
(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:



SE 1/4 SE 1/4 of NW 1/4 Sec. 22 T. 22 R. 12

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 1940, CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1½ GAL. PER MIN.

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

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 1942

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 3 FOOT CASING

10. The estimated amount of groundwater withdrawn each year 1,75,000

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

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

Signature of Owner Arnold Engellant

Date Nov. 27, 1963

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

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

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

77321

#346187

STATE OF MONTANA, } ss.
COUNTY OF CHOUTEAU.

Filed December 2 1963

at 10:45 o'clock A.M.

George W. Harvey
County Clerk

By Vera M. Jacobs Deputy

Fee $ 2.00 Paid

26

File No.....

T. 22 R. 12

DUPLICATE

County Chouteau

RECEIVED
JAN 7 1964
STATE ENGINEER

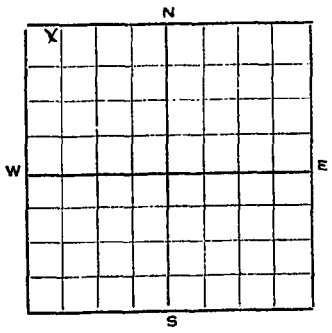
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Warren Woodburn, of Geraldine,
(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 NW Sec. 26 T. 22 R. 12

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 Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been It was dug in 1916 at a homesteaders residence and was used continuously for the farm use until 1962 when the residence was abandoned and has since been used for summer livestock water only.

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
not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal windmill operated 2 inch shallow well cylinder and pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater The well was hand dug in 1916 and cased with wood and the water was drawn out by hand by a bucket and rope until 1962 when it was galvanized casing 3 feet in diameter and the windmill operated 2 inch shallow well cylinder and pump were put in.

8. The depth of water table 22 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 This is a hand dug well which is 3 feet in diameter cased with a corrugated galvanized iron casing and is 24 feet deep.

10. The estimated amount of groundwater withdrawn each year 24,000 gallons

11. The log of formations encountered in the drilling of each well if available no

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 Warren Woodburn

Date December 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 School of Mines and Quadruplicate for the Appropriator.

26313

26

File No. .....

T. 22 R. 12

DUPLICATE

County Chouteau

RECEIVED
JAN 7 1964
STATE ENGINEER

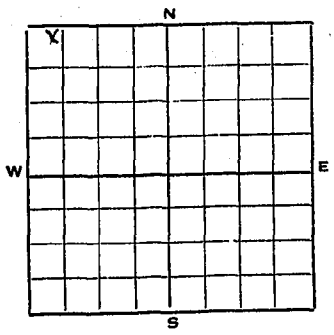
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Warren Woodburn, of Geraldine,
(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 NW 1/4 Sec. 26. T.22. R12.

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 Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been It was dug in 1916 at a homesteaders residence and was used continuously for the farm use until 1949 when the residence was abandoned and has since been used for summer livestock water only.

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
not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill operated 3 inch shallow well cylinder and pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater The well was hand dug in 1916 and cased with wood and the water was drawn out by hand by a bucket and rope until 1949 when it was galvanized casing 3 feet in diameter and the windmill operated 3 inch shallow well cylinder and pump were put in.

8. The depth of water table 24 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 This is a hand dug well which is 3 feet in diameter cased with a corrigated galvanized iron casing and is 24 feet deep.

10. The estimated amount of groundwater withdrawn each year 74,000 gallons

11. The log of formations encountered in the drilling of each well if available no

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

Signature of Owner [signature]

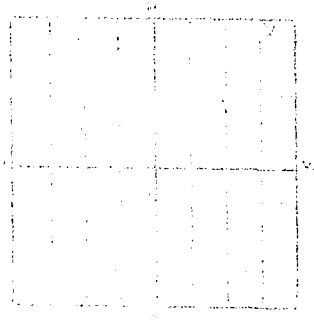
Date December 30, 1963

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 School of Mines and Quadruplicate for the Appropriator.

26313



#347001

STATE OF MONTANA } ss.
COUNTY OF CHOUTEAU

Filed DEC 31 1962 19

at 10:05 o'clock A M

County Clerk

Deputy

Fee $2.00 Paid

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

MONTANA WATER RESOURCES BOARD
RECEIVED
JUL 1 1970

County Chouteau 28

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 Henry Goldham

Address Geraldine, Mont.

Date well started June 9, 1970

completed June 20, 1970

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

Equipment used rotary (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 11,000,000 gal.

For Administrator's Use

File July 9, 1970 10:20 a.m.

36 2503

GW 1

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
12	8 5/8 22#/ft	0	100			
6 3/4-6x	4 1/2 9.5#/	100 0	1940 1940			
3 7/8"	2 3/8	1940 2100	2100 1929	regular	2092	1950

Flowin well

Static water level ft.*

Pumping water level ft.*

at gallons per minute,

measured minutes after pumping began.

*Measured from ground level.

Well developed by

for hours.

Power Pump HP

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

cemented 100-0 sm 1940

Not applicable

N
W E
S

SW ¼ ¼ Sec.
T. N/S R. E/W

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

Driller's Signature E. M. Munson

Driller's Address Great Falls, Montana

LICENSE NO. 26

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)

From (Feet)	To (Feet)	
0	100	gravel, clay to shale
100	382	greyish shale, layers of bentonite
382	411	sandy shale
411	413	hard sand plus shale
413	474	soft shale
474	695	shale to hard sand strk
695	880	sandy shales
880	912	shale and calcite
912	975	black to gray shale bentonite layers
975	1035	blue shale, hard shell streaks
1035	1160	shale, interbedded iorn pyrites
1160	1255	firm shale, dark shale and bentonite
1255	1286	dirty sand, some white sand specks
1286	1480	silty shales
1480	1625	shale, streaks of sandy shales
1625	1630	dirty sand
1630	1685	shale streaks, sand streaks
1685	1755	tite grey sand with shale partings
1755	1759	red and green shale Kootenai Tops
1759	1863	shales and chert streaks (cavey)
1863	1915	hard white tite sand limey
1915	1940	calcerous shale lime streaks
1940	1950	thin lime streaks grading to limeysand
1950	2035	tite grey sand streaks to shale wth lime Flowing 3 gal 7 min H_2O
2035	2064	[illegible] sand (tite)
2064	2092	[illegible] well porosity Well flow increase to 25 gal. / min
2092	2100	shaley, silty sand
TD		

2100 Show exact depth of bottom

42655

#362503

STATE OF MONTANA, }
COUNTY OF CHOUTEAU, } ss.

Filed July 9 1970

at 10:20 o'clock a m.

George W. Harvey
County Clerk

By Noel M. Jewell Deputy

Fee $ 200 Paid

G.

File No.....

T. 22 R. 12

28

DUPLICATE

County Choteau

RECEIVED
DEC 18 1963
STATE ENGINEER

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

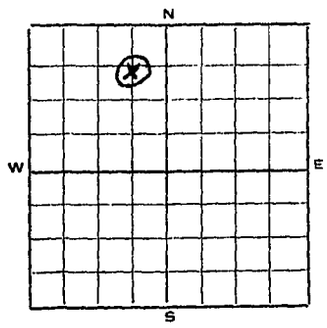
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Henry E. Goldhahn, of Box 266 Geraldine
(Name of Appropriator) (Address) (Town)

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



NE ¼ NW Sec. 28 T22 R12

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 Well For house and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been September, 1954 with continuous use every since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 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 Electrical pump with pressure tank

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

8. The depth of water table 60 feet

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

10. The estimated amount of groundwater withdrawn each year 37,000 gal. a year

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 Henry E. Goldhahn

Date Dec 16, 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.

9995

346398

STATE OF MONTANA, } ss.
COUNTY OF CHOUTEAU.

Filed December 17 1963

at 10:10 o'clock a M

George W Harvey
County Clerk

By Dina M Harvey Deputy

$ 2.00 Fee

G.

File No.....

DUPLICATE

T. 22 R. 12

County Chouteau

28

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

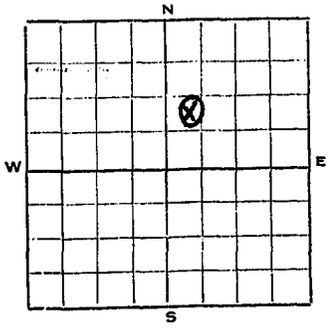
RECEIVED
DEC 18 1963
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Henry E. Goldhahn, of Box 266 Geraldine
(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 ¼ NE Sec. 28 T22 R12

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 Well For stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1915 It has been in continuous use ever since.

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 location of each well or other means of withdrawal I have piped this well out to the top of the ground and made a flowing well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater In 1956 the well was recased and piped out

8. The depth of water table 18 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 well is 25 feet deep. It is cased with 3foot diamater cement culverts. It is piped out with 1 inch plastic piped.

10. The estimated amount of groundwater withdrawn each year 220,000 gallons

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

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

Signature of Owner Henry E. Goldhahn

Date Dec. 16, 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.

9994

#346397

STATE OF MONTANA, }
COUNTY OF CHOUTEAU, } ss.

Filed December 17 1963

at 10:10 o'clock a.m.

George W. Harvey
County Clerk

By Lynn M. Hanna Deputy

Fee $ 2.00 Paid

File No. .....

DUPLICATE

T. 22 N. R. 12 E. 22 32

County Chouteau

RECEIVED
JAN 31 1964
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

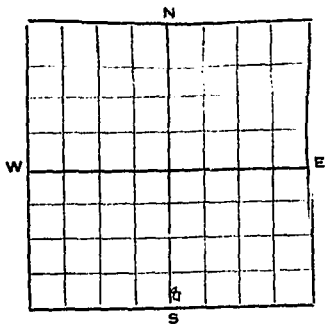
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. George W. Van Voast (Name of Appropriator), of Geraldine (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:



S.W. 1/4 S.E. Sec. 32 T. 22 R. 12

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 Family and Livestock

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3,1/3 pints

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 ~~small plot for garden~~ George Van Voast

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

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

8. The depth of water table 1250 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 2 inch galvanized pipe, 1250 ft.

10. The estimated amount of groundwater withdrawn each year 219 thousand gallons per year

11. The log of formations encountered in the drilling of each well if available 60 ft. of very hard rock

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 to my knowledge

Signature of Owner George W. Van Voast

Date Jan. 29. 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 School of Mines and Quadruplicate for the Appropriator.

34755

#347525

STATE OF MONTANA,
COUNTY OF CHOUTEAU, } ss

Filed January 30 19 64

at 10:30 o'clock a M

George W. Harvey
County Clerk

By Helen M. Jewell Deputy

Fee $ 2.00 Paid

33

File No.....

T. 22 N. R. 12 E.

DUPLICATE

County Chouteau

RECEIVED
JAN 31 1964
STATE ENGINEER

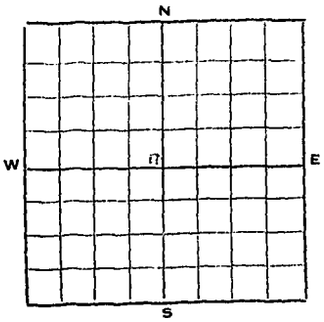
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. George W. Van Toast (Name of Appropriator), of (Address) Geraldine (Town)

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



S.E. 1/4 N.W. Sec. 33 T. 22 R. 12

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 1936 continually

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

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 with pump and regulator

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1936

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 3½ ft. dug well with brick curbing and cement top

10. The estimated amount of groundwater withdrawn each year sufficient for 30 head cattle

11. The log of formations encountered in the drilling of each well if available gravel base on shale

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 to my knowledge

Signature of Owner George W. Van Toast

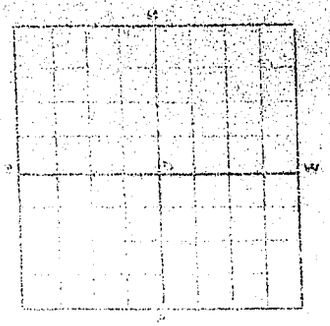
Date Jan. 27, 1964

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 School of Mines and Quadruplicate for the Appropriator.

34755



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

347 S 24

STATE OF MONTANA, } ss.
COUNTY OF CHOUTEAU, }

Filed January 30 1964
at 10:30 o'clock a M
George W. Harvey
County Clerk
By Violet M Jewell Deputy
Fees $2.00 Paid

36

T. 22 R. 12

County Chouteau

RECEIVED
FEB 24 1953
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner John D. Engelcart Address Geraldine

Driller Murray Cottrell Address Bigwood

Date Started June 10, 1950 Date Completed July 2, 1950

Location: Sec. 36 T. 22 R. 12 ¼ sec. NW¼ SW¼ 36-22-12

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

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 1350' ft. to ft. Type galvanized Size 2"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 70' to ft. 1420' Ft. to ft.

Type of screen or perforations

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

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

Pumping water level Flows feet at ½ gal. per min.

How tested:

Length of test

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

(over)

GROUNDWATER INDEX

County Choteau Twp. 22 N Rge. 13 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
4	Arthur A. Henderson	GW3	346765	
8	James Clark, Sr.	GW4	347135	
9	Arthur A. Henderson	GW4	346764	
13	Leon & Viola N. McCardle	GW4	346885	
17	Hilda Wishman	GW4	347064	
18	~~Harry J. Witt~~	~~1961~~	No #	
18	Harry J. Witt	1961	No #	
21	John A. Rowland	GW4	347060	
21	John A. Rowland	GW4	347061	
22	Ralph Rowland	GW2	371049	
22	John A. Rowland	GW4	347059	
26	Leon & Viola N. McCardle	GW3	346883	
26	Leon & Viola N. McCardle	GW4	346884	
27	Bob Rowland	GW2	366897	
27	Robert Rowland	GW4	346842	
28	Ruby N. Greenwell	GW3	346237	
30	James Clark, Sr.	GW4	347136	
31	Royce Applegate	GW4	346963	
32	Owen Bros	1959	No #	
34	Ruby N. Greenwell	GW4	346239	
34	Ruby N. Greenwell	GW3	346238	

GW 3

4

File No.....

T. 22 R. 13

DUPLICATE

County Choteau

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 .....

Owner Arthur A Henderson

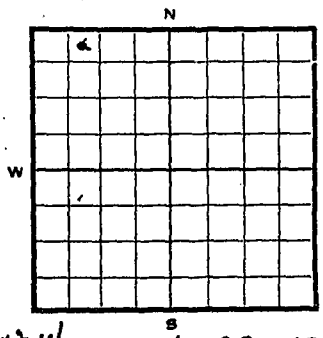
Address Belt Box 37 Mont

Contractor (if any) .....

Address of Contractor .....

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

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



NW Sec. 4 T. 22 R. 13

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. Will water 200 head of Cattle

Signature of Owner Arthur A Henderson

Date Dec 27-63

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

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

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

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

26108

3467 6 5

STATE OF
COUNTY OF

Filed DEC 27 1963 19

at 2:30 P. M.

George W. Hardy
County Clerk

By _____ Deputy

Fee $ 2.00 paid

6..4

File No.....

T. 22 N. R. 13E

DUPLICATE

County Chouteau

RECEIVED
JAN 7 1964
STATE ENGINEER

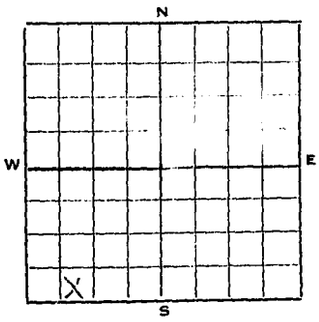
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. James Clark, Sr., of Geraldine, Montana
(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:



SESWSW
1/4 Sec. 8 T. 22 R. 13

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 1915

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

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 1915

8. The depth of water table 117 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 Six inch casing

10. The estimated amount of groundwater withdrawn each year 1000 gal. per day each day for a period of 3 months.

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

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 James Clark

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 School of Mines and Quadruplicate for the Appropriator.

26438

STATE OF MONTANA, }
COUNTY OF CHOUTEAU, } ss.

Filed DEC 3 1 1963 19

at 4:30 o'clock PM

Clerk and Recorder

By Deputy

H 347131

G

File No.....

DUPLICATE

T. 22 R. 13

County Chouteau

9

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

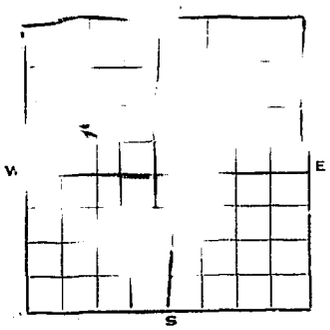
RECEIVED
JAN 7 1964
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Arthur A Henderson, of Belt Box 37 Mont
(Name of Appropriator) (Address) (Town)

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



NW 1/4 Sec. 9 T22 R13

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 and Stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 14 yrs. Use continuous has never been dry. Has watered 75 head cattle during winter

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof ..... 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 In June 49

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 drilled 100 ft

10. The estimated amount of groundwater withdrawn each year 400,000. approx

11. The log of formations encountered in the drilling of each well if available Sandy loam, sand gravel then sand rock.

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 Arthur A. Henderson

Date Dec 27-63

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.

26107

346764

STATE OF MONTANA
COUNTY OF CHOUTEAU } ss.
FEB 27 1968
Filed _____ 19__
2:30 o'clock P M
George W Harvey
County Clerk
By _____ Deputy
Fee $ 2.00 Paid

G

File No.

DUPLICATE

T. 22 R. 13

County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

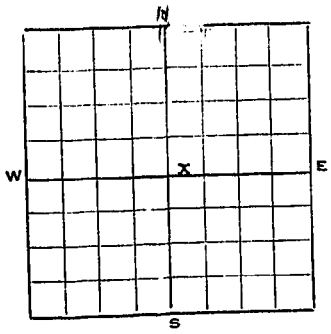
RECEIVED
JAN 7 1964
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Leon & Viola N. McCardle, of Geraldine,
(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 NE Sec. 13 T22. R13.

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 1960 continuous

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater started 1959 completed 1960

8. The depth of water table 12 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
dug well 5 feet by 5 feet by 16 feet deep

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
not applicable

Signature of Owner Leon McCardle
Viola N. McCardle Date December 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 School of Mines and Quadruplicate for the Appropriator.

26211

#346885

STATE OF MONTANA, }ss.
COUNTY OF CHOUTEAU, }

Filed DEC 30 1968 19__

at 2:30 o'clock P.M.

George W. Harvey
County Clerk

By _____

Fee $ 2.00

C 4

File No. .....

DUPLICATE

T 22 R 13 E 17

County Choteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

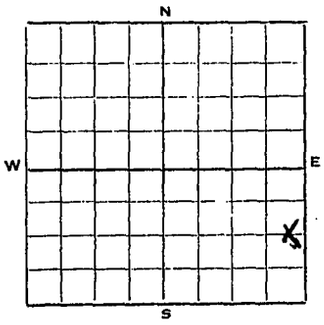
RECEIVED
JAN 7 1964
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Hilda Nishman, of Box 271 Geraldine
(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:



SE¼SE Sec. 17 T22R 13

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, house

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

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

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 1947

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 5 inc. well - 175

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

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

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

Signature of Owner Hilda Nishman

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.

26367

(Town) (Address) (Name of Appropriator)

County of ..... State of .....

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

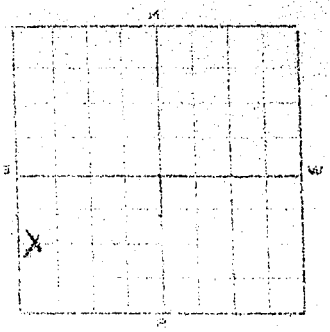
2. The beneficial use on which the claim is based .....

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) ..... 50 gpm

5. If used for irrigation, give the average and description of the lands on 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 .....



SE¼ Sec. 17 T22N R13

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 1947

8. The depth of each well 160

9. So far as is now known, the size, the type, and depth of each well or the general specifications of any other works for the withdrawal of groundwater .....

10. The name and address of the person ..... 1 20 gpm

11. The date on which the water was first applied to a beneficial use .....

12. The name of the person ..... the policy or the act, including 12/31/63

..... in which the well is

H 347064

STATE OF MONTANA, }
COUNTY OF CHOUTEAU, }

Filed DEC 31 1969 19

at 4:00 o'clock P.M.

Margaret Hanson
County Clerk

By ..... Deputy

Fee $ 2.00 Paid

8

T. 22N. R. 13E.

County Chouteau

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
STATE ENGINEER

WATER WELL LOG

Owner Harry J. Witt Address Geraldine, Mont.

Driller Wm. C. Fuller Address Geraldine Mont.

Date Started Date Completed

Location: Sec. 18 T. 22 N. R. 13 E. ¼ sec. NE 1/4 SE1/4

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 115 ft. to ft. Type iron Size ~~5 7/8~~ 5 1/2"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 110 to ft. 115 Ft. to ft.

Type of screen or perforations slits cut in pipe

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

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

Pumping water level 65 feet at 20 gal. per min.

How tested: bailer

Length of test 30 Min

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	115	Glacial drift

T. 22 N. R. 13 E. 18

County Chouteau

RECEIVED
APR 24 1961
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Harry J. Witt Address Geraldine, Montana.

Driller Wm. C. Fuller Address Geraldine, Montana.
O. C. Thatcher Stanford, Montana.

Date Started Aug. 26, 1958 Date Completed Sept. 18, 1958

Location: Sec. 18 T. 22N. R. 13E. ¼ sec. NE1/4. SE ¼.

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

Water use: Domestic [X] Municipal [ ] Stock [X] Irrigation [X]

Industrial [ ] Drainage [ ] Other:

Casing: 1987 ft. to ft. Type oil field tubing Size 2 3/8"

Casing: 1987 ft. to 2257 ft. Type galvanized Size 2" pipe

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 2227 to ft. 2257 Ft. to ft.

Type of screen or perforations slits cut lengthwise in 2" pipe

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

Shut-in pressure, for flowing well: 240 lb./sq. in. on: April 3 1961 (date)

Pumping water level Flowing feet at # 32 gal. per min.

How tested: Filled 800 gal tank in 22 min.

Length of test

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

Depth of shut-off was as deep as cement could be pumped in, 7 sacks of cement was used.

(over)

Log of Well

Depth, feet From	To	Description of Material Drilled
0	140	Glacial drift
140	1363	Colorado shale
1363	1378	Sandstone flowing water 1/2 G.P.M.
1378	1620	Shale
1620	1639	Sandstone water producer
1639	1800	Shale
1800	1840	Sandstone water 1 G.P.M.
1840	1960	Shale
1960	2072	Greygreen shale & sandstone
2072	2158	Red shale with layers of sandstone.
2158	2218	Layers of hard to medium hard sandstone.
2218	2252	Soft sandstone. (water).
2252	2257	HARD sandstone.

4

File No.....

DUPLICATE

T. 22 R. 13

County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964
STATE ENGINEER

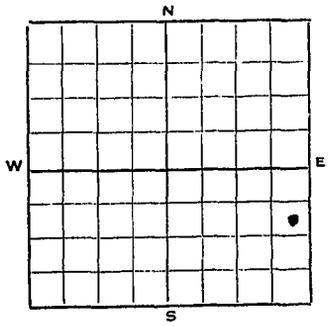
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. John A. Rowland, of (Name of Appropriator) (Address) Geraldine (Town)

County of Chouteau State of Montana

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



S.E. N.E. S.E. Sec. 21 T22 R13

Indicate point of appropriation and place of use, if possible. Each small square represents 1 [illegible]

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1917

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

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 Hand pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1917

8. The depth of water table 28

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 3 Ft. diam. Rock wall

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

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

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 John A. Rowland

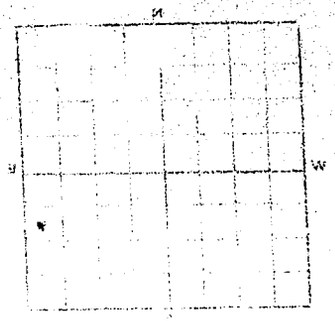
Date 31 Dec 1963

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.

26363



Indicate point of diversion and place of use, if possible, on small square representing 10 acres.

4347060

STATE OF MONTANA, }
COUNTY OF CHOUTEAU, } ss.

Filed DEC 31 1963 19

at 4:00 o'clock P M

County Clerk

By Deputy

Fee $ 2.00 Paid

File No.....

DUPLICATE

T. 22 R. 13

County Chouteau

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 7 1964
STATE ENGINEER

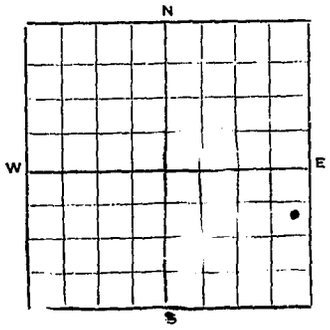
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. John A. Rowland (Name of Appropriator), of Geraldine (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:



S E 1/4 NE SE Sec. 21 T22 R13

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 + Stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been March, 1948

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 gals.

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

Lawn + garden use

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

Surface pump

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

8. The depth of water table 85

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, 5" casing

10. The estimated amount of groundwater withdrawn each year 150,000 gals.

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 John A. Rowland

Date 31 Dec 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.

26364

(Town)

(County) of Choteau ..... State of Montana

have appropriated pursuant to the laws governing the State of Montana prior to January 1, 1962, as follows:

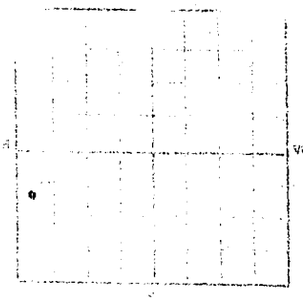
2. The location of the point at which the water is diverted H. 456 ...
STock

3. Date or approximate date of earliest beneficial use and how continued thereafter March, 1948

4. The amount of water claimed in miner's inches or gallons per minute 65 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.
Lawn + garden use

6. The means of withdrawal, whether from the ground and the location of each well or other means of withdrawal.
Surface flow



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 ditch, well, or other works for withdrawal of groundwater

8. The total of water to be used 65

9. Give a description of the diversion dam, ditch, well, or other works for the withdrawal or use of water. Pump & garden

STATE OF MONTANA, }
COUNTY OF CHOUTEAU, } ss.

Filed this 31 day of DEC 1969 19 at 4:00 o'clock P.M.

Recorded in Book ..... County Clerk

By ..... Deputy

Fee $ 2.00 paid

71 34706

GW 2 Revised 1969
STATE PUBLISHING COMPANY

County CHOTEAU 22

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED
JUN 13 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(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 RALPH ROWLAND

Address GERALDINE
MONTANA 59446

Date well started MAY 29, 1973

completed JUNE 4, 1973

For Administrator's Use	
File	37049
	JUNE 11, 1973
GW 1	7:30 A.m.

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

Equipment used CABLE TOOL RIG (Churn drill, rotary, etc.)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden ☐

*Describe

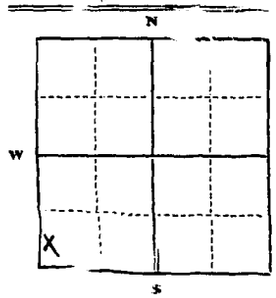
USE: If used for irrigation, industrial, drainage or other, give state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL EXCEEDING 350,000 GALLONS

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)
8"	5 9/16" O.D PVC 200#	3 FEET ABOVE GROUND LEVEL	
	5 9/16" OD PVC 200#	"	"
	5 9/16" OD PVC 200#	71	

PERFORATIONS

	From (Feet)	To (Feet)
5/32" SPILLED	70	109



Static water level 70 ft.*
Pumping water level 78 ft.*
at 20 gallons per minute, measured 240 minutes after pumping began.
*Measured from ground level.
Well developed by BAILER for 8 hours.
Power ..... Pump ..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) 8 5/8" OD SURFACE CASING INSTALLED TO 61 FET AS TEMPORARY SHUT-OFF CASING. HOLE FROM 61 TO 111 FET REAMED TO 8" DIAMETER. 5 9/16" OD PVC PLASTIC CASING INSTALLED TO BOTTOM AND WELL THEN GRAVEL-PACKED FROM BOTTOM BACK TO 63 FT. CEMENTED FROM 63 BACK TO APPROX. 50 FOOT LEVEL. TEMPORARY 8 5/8" CASING PULLED OUT. ANNULAR SPACE FILLED WITH DRILLING MUD TO 8 FET FROM SURFACE
NOTE: 2 FEET OF GRAVEL LEFT IN BOTTOM OF CASING DUE TO GRAVEL-PACKING

NW ¼ SW ¼ Sec. 22
T. 22 N (S) R. 13 E (W)

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

Driller's Signature Herbert Swanson HI-LINE DRILLING SERVICE

Driller's Address 173 6TH ST NO PHONE 265-4210
HAVRE, MONTANA 59501 LICENSE NO. 40

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)

From (Feet)	To (Feet)	
0	TO 3	SOIL
	22	SANDY BROWN CLAY
	31	BROWN SAND - SOME WATER
	32	SANDY BROWN CLAY
	31	SOFT GREY CLAY
	33	RUNNY GREY SAND
	48	SOFT GREY SANDY CLAY
	51	TACKY GREY CLAY
	5[illegible]	SOFT - SANDY GREY CLAY
	68	GREY CLAY - FRAGMENTS OF SHALE - SMALL AMOUNT OF WATER AT 57 FOOT LEVEL
	84	SANDY GREY CLAY
	87	GRAVELLY GREY CLAY
	87½	FINE SAND + SILT - TRACE OF GRAVEL - WATER
	91	SOFT GREY SANDSTONE - (VIRGELLE FORMATION) WATER
	111	VIRGELLE SANDSTONE WATER - EXCEEDING 35 GALLONS PER MINUTE

111 Show exact depth of bottom

53,503.

#371049

STATE OF MONTANA, } ss.
COUNTY OF GALLATIN, }

Filed JUN 11 1991 19...

at 10:30 o'clock a M.

Beverly Hensley Clerk

By ..... Deputy

Fee $ 2.00 Paid