GV

File No.

DUPLICATE

T R

County

RECEIVED

1967

ENGINEER

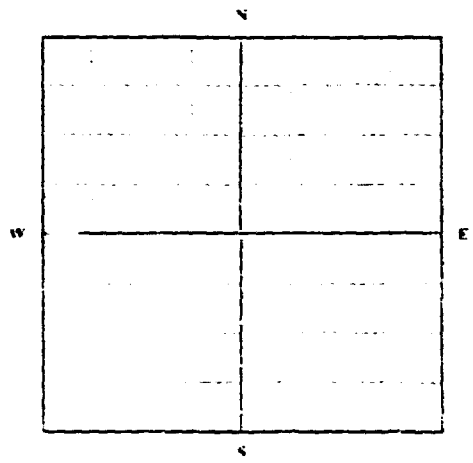
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. (Name of Appropriator) , of (Address) (Town)

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



¼ Sec. T. R.

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

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner

Date

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

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

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

13650

Clerk

Clara Mae Stier
County Recorder.

By ..... Deputy

RECEIVED

STATE ENGINEER

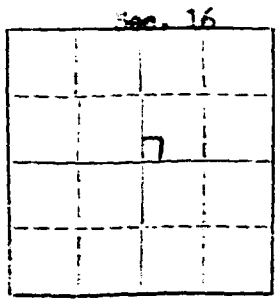
T. 5N R. 1E

County Broadwater

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

WATER WELL LOG



Owner Bill Webb Address Toston

Driller Van Byron Drilling Co. Address Bozeman

Date Started Oct. 26, 1959 Date Completed Oct. 29/59

Location: Sec. 16 T. 5N R. 1E ¼ sec. S½S½ of NE¼ of Sec. 16

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

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

Industrial [ ] Drainage [ ] Other:

Casing: 0 ft. to 32 ft. Type Prime steel Size 6 5/8 O.D. P.E.

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

Static Water level, for non-flowing well: 10 feet.

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

Pumping water level 12 feet at 50 gal. per min.

How tested: Bailer

Length of test 1 hr.

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	2½	top soil
2½	32	sand & gravel

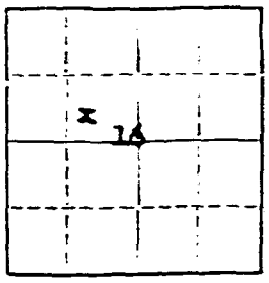
T. 5N R. 1E

County Broadwater

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

WATER WELL LOG



Owner Ben Webb Address Toston, Mont.

Driller McRoberts Address White Sulphur

Date Started April 1923 Date Completed April 23

Location: Sec. 16 T. 5N R. 1E ¼ sec. SE¼NW¼

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

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

Industrial [ ] Drainage [ ] Other:

Casing: 20 ft. to ft. Type Iron Size 6 in

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

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

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

Pumping water level 18 feet at 25 gal. per min.

How tested: rotary pump

Length of test 14 hrs.

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

(over)

Approved Stock Form—State Publishing Co., Helena, Montana—8849e

File No. .....

T. 5 N. R. 1 E.

DUPLICATE

County Broadwater

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Under Chapter 237 Montana Session Laws, 1961

Date of Appropriation of Groundwater .....

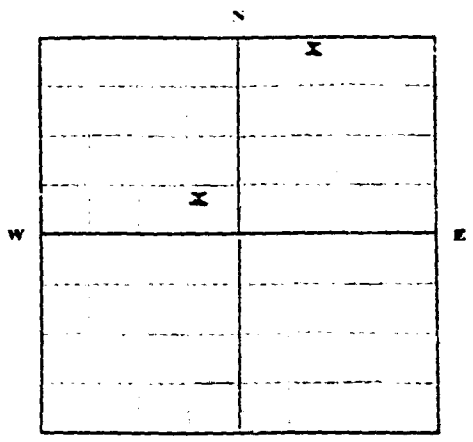
Owner William F. Webb ..... Address Toston, Montana

Contractor (if any) .....

Address of Contractor .....

Date Started 1900 Date Completed 1900

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring- Dug hole and water raises and runs out . Also sub-irrigation approximately 300 inches between 3 ft. to 1 ft. in depth.



SE¼NW¼ Sec. 16 5N 1E
NW¼NW¼ ¼ ¼ Sec. 16 T. 5n R. 1E

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.....

About 40 miners inches of water. Irrigating garden and orchard and alfalfa measured with wier. Also use water for stock. Continuous use.

Signature of Owner .....

Date .....

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

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

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

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

70833

STATE OF MONTANA } ss.
County of Broadwater.

I hereby certify that the within instrument was filed for record in my office on the 30 day of Dec A.D. 1963 at 15 min. past 1 o'clock P M.

Anna Marie Stevie
County Recorder

By

File No.

T 5N R 13

DUPLICATE

County Broadwater

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

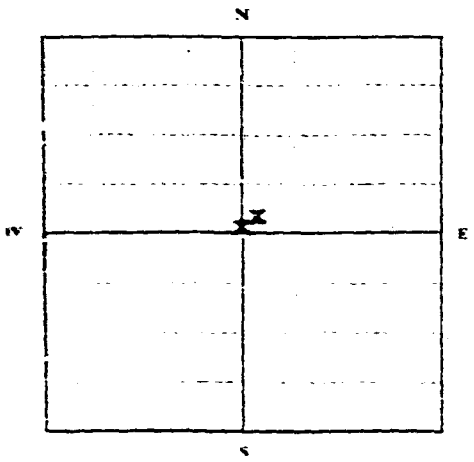
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, William F. Webb (Name of Appropriator), of Toston (Address) (Town)

County of Broadwater State of Montana

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



SW ¼ Sec. 16 T 5N 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 and house

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1900

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 90 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

yard — self

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

water pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1900

8. The depth of water table 18 ft. in winter 7 ft. in summer

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 well 40 inches wide each way 26 ft. deep.

10. The estimated amount of groundwater withdrawn each year 3,000 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

To my knowledge I don't know

Signature of Owner [illegible]

Date [illegible]

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, else the form will be returned.

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

180-5

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana 42262

File No.

T. 5N R. 1E

DUPLICATE

County Broadwater

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner Thomas Williams Address Radersburg

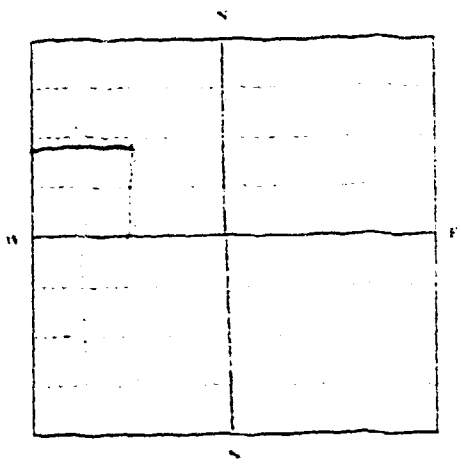
Contractor (if any)

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 developed in 1952 for irrigation

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 app. 30 inches measured by weir



SW¼ NW¼ ¼ Sec. 16 T. 5N R. 1E

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

Signature of Owner

Date

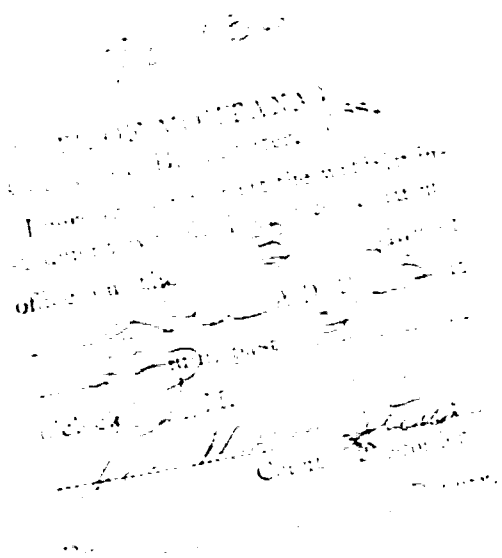
This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

13745



Approved Stock Form—State Publishing Co., Helena, Montana—42234 17

File No.

T R

County Broadwater

DUPLICATE

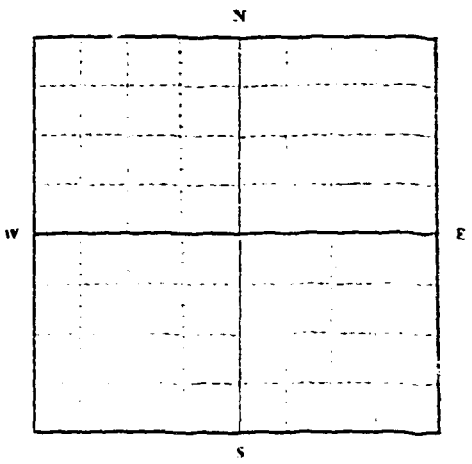
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Corbett L. Cuttlebery (Name of Appropriator), of Radersburg (Address) (Town)
County of Broadwater State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



¼ Sec 17 T. 5 R. 1E

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

Radersburg Lots 6-7-8-9-10 Blk. 10 + Old School Land

2. The beneficial use on which the claim is based household + irrigation of garden + lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been prior to 1900 uncertain - used again since 1961

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

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

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

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

8. The depth of water table Not known

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 Driven well - 2 inch pipe 60 feet

10. The estimated amount of groundwater withdrawn each year Not known

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 Corbett Cuttlebery
Date December 31, 1963

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

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

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

13744

17

T 5N R 1E

County Broadwater

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

WATER WELL LOG

Owner Mrs. Minnie Holdaway Address Radersburg, Montana

Driller Wm. Holdaway Address " "

Date Started 1910 Date Completed 1910

Location: Sec. 17 T 5N R 1E ¼ sec. Townsite of Radersburg

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

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

Industrial [ ] Drainage [ ] Other:

Casing: ft. to ft. Type Iron Size 4"

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

Static Water level, for non-flowing well: 30 feet.

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

Pumping water level feet at gal. per min.

How tested:

Length of test

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

98 feet deep

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	98	sand, gravel, clay, good water with little or no sand.

17

GW 1 Revised 1960
STATE PUBLISHING COMPANY

County Broadwater

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 [illegible]

Address [illegible]

[illegible]

Date well started [illegible] 1949

completed Unknown

For Administrator's Use
File [illegible]
June 25, 1973
GW 1 1:30 p.m.

Type of well [illegible] (Dug, driven, bored or drilled)

Equipment used [illegible] hand (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

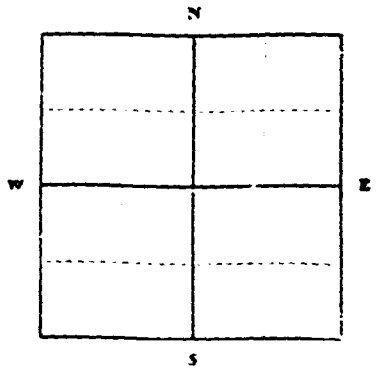
Industrial ☐ Drainage ☐ Other ☐* Garden Lawn ☒

*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) [illegible] Block 3. [illegible]

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
[illegible]	[illegible]	[illegible]	[illegible]			



T. 5 N. (N) S R. 1 E. (E) W Sec. 17

Static water level [illegible] ft.*
Pumping water level 60 ft.*
at [illegible] gallons per minute,
measured [illegible] minutes after pumping began.
*Measured from ground level.
Well developed by [illegible]
for [illegible] hours.
Power [illegible] Pump [illegible] HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) [illegible]

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

Driller's Signature [illegible]

Driller's Address

LICENSE NO.

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)	
		Unknown

Show exact depth of bottom

53,544

Foundation Corporation
by Means of Well

Patterson, Ohio

Lots 9 thru 14, Blk 3 Wilder Add'n
to Rodersburg

STATE OF MC[illegible]
[illegible] COUNTY, SS:

[illegible] for record in my
[illegible] 25th day of
June [illegible] 1923 at
30 [illegible]

Frances Etzwiler
County Recorder

R. Lenore Lower

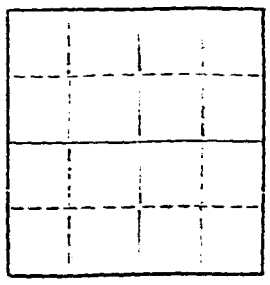
17

T. [illegible] R. [illegible]

County [illegible]

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner [illegible] Address [illegible] Mont

Driller [illegible] Address [illegible]

Date Started [illegible] Date Completed [illegible] 77

Location: Sec. 17 T. 5 N R. 1 E ¼ sec. [illegible]

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

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

Industrial [ ] Drainage [ ] Other: [illegible]

Casing: [illegible] ft. to [illegible] ft. Type [illegible] Size [illegible]

Casing: [illegible] ft. to [illegible] ft. Type [illegible] Size [illegible]

Casing: [illegible] ft. to [illegible] ft. Type [illegible] Size [illegible]

Perforated or Screened: Ft. [illegible] to ft. [illegible] Ft. [illegible] to ft. [illegible]

Type of screen or perforations [illegible]

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

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

Pumping water level [illegible] feet at [illegible] gal. per min. [illegible]

How tested: [illegible]

Length of test [illegible]

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	
		Sand + Gravel

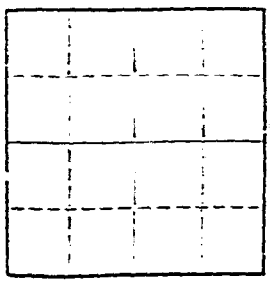
17

T. [illegible] R. [illegible]

County Broadwater

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Town of Townsend Address Townsend, Mont.

Driller Hollgate Address unknown

Date Started Date Completed 1901

Location: Sec. 17 T. [illegible] R. [illegible] ¼ sec. Front lot of Block 9

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

Water use: Domestic ☐ Municipal ☒ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: ft. to ft. Type Iron Size [illegible]

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: feet.

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

Pumping water level feet at gal. per min.

How tested:

Length of test

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

Well is about 40 ft. deep

(over)

Log of Well

Depth, feet From	To	Description of Material Drilled
		sand & gravel formation

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—63

File No. 24917

T. 5N R. 1E

DUPLICATE

County

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Mr. Riley A. Putter Address Fredericksburg Mont

Driller Gilbert Heck Address Harrison Mont

Date of Notice of appropriation of groundwater

Date well started 11/15 Date completed 11/15

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)

N
W E
S

Static Water Level for non-flowing well 20 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 20 feet

at 10 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer

Length of Test 3 Hours

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

¼ Sec. 17 T. 5N R. 1E

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

(Continue on reverse side)

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

Lot 7 Blk 11 T5N, R1E

Show exact depth of bottom.

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

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

114
Driller's License Number

Gilbert Heck
Driller's Signature

41,978

17

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

LOT 19 BLOCK 8
ORIGINAL TOWNSITE RADERSBURG
County BROADWATER
T5N R1E

File No.

DUPLICATE

RECEIVED
1969

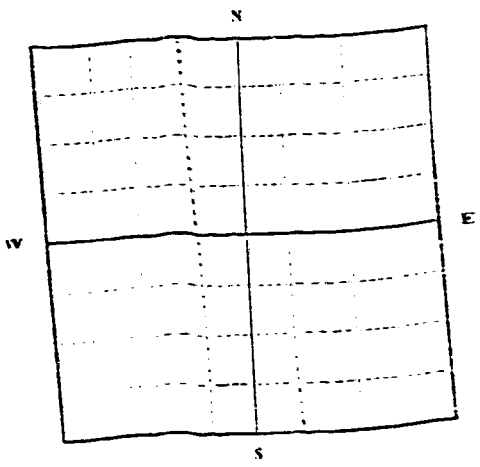
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. GILBERT & LOLA Ricketts of RADERSBURG
(Name of Appropriator) (Address) (Town)

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



¼ Sec 17 T5N R1E

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 is house and yard use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1914 continuously since then.

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 2 lots 25' by 75' exclusive of space covered by house. Ben Kerns 1914-1948 Ricketts since 1948

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 1914 completed September 1914 ie to break down of well drill.

8. The depth of water table 30'

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 5" iron casing approximately 45' deep.

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

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 not known

Signature of Owner Gilbert & Lola Ricketts

Date Oct. 18, 1968

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

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

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

GW

Approved Stock Form—State Publishing Co., Helena, Montana—4234

17

File No.

DUPLICATE

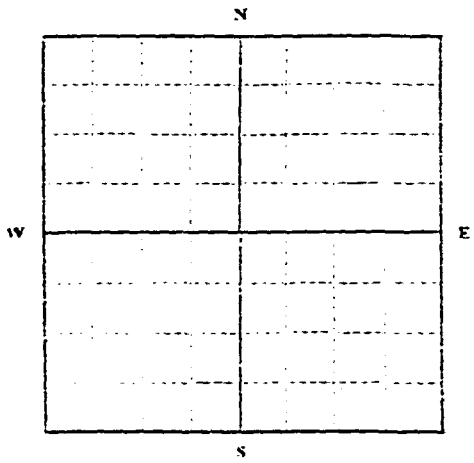
LOT # 3 BLOCK 15
ORIGINAL TOWNSITE OF RADERSBURG
County BROADWATER
T5N R1E

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, GILBERT & LOLA RICKETTS of RADERSBURG
(Name of Appropriator) (Address) (Town)
County of BROADWATER State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



¼ Sec 17 T5N R1E

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 water stock and irrigated garden.

3. Date or approximate date of earliest beneficial use: and how continuous the use has been 45 years continuously

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 3 lots of garden bought by Ben Kerns 1934-1943 Gilbert and Lola Ricketts since 1943

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1923 exact date not known

8. The depth of water table 30'

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 5" casing 30' deep

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

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

Signature of Owner Gilbert & Lola Ricketts

Date Oct. 18 1968

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

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

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

45,302

Approved [illegible] — State Publication [illegible]

[illegible]

ORIGINAL

[illegible] R [illegible]
ORIGINAL [illegible] KAUERSBURG
County [illegible]

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

[illegible] of [illegible]
(Name of Appropriator) (Address) (Town)
County of [illegible] State of [illegible]
[illegible] groundwater according [illegible] the Montana [illegible] 1962 as follows.

1. [illegible] Sec. T. R.
Indicate point of appropriation and [illegible] possible. Each [illegible] acres

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

3. Date or approximate date of earliest beneficial use and how continuous the use has been: 45 years continuously

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: 3 lots of garden bought by Ben Kerns 1934-1945 Gilbert and Lola Ricketts since 1945

6. The means of withdrawing such water from [illegible] and the location of each well or other means of withdrawal: pump jack with electric motor.

7. [illegible] date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: exact date not known

8. The depth of water table: 30'

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 50' deep

10. The estimated amount of groundwater withdrawn each year: [illegible] gallons

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

[illegible] information of a similar nature as may be useful in carrying out the policy of this act, including [illegible] book and page of any county record: not known

Signature of Owner: [illegible] Ricketts

Date: [illegible]

[illegible] file this notice with the County Clerk and Recorder of the county in which the well is located [illegible] if applicable, so state, whereupon the form will be returned.

[illegible] Recorder: Immediately [illegible] State Engineer. Telephone [illegible] Montana Bureau of [illegible] for the Appropriation.

[illegible] 302

STATE OF MONTANA

County of [illegible] ss.

[illegible] having first been duly sworn, [illegible] and say that he [illegible] of lawful age and [illegible] the appropriator and claimant [illegible] of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person [illegible] whose name [illegible] subscribed thereto, as the appropriator and claimant [illegible] that [illegible] know the contents of said foregoing notice and that the matters and things therein stated are true.

Lola M. Ricketts
Gilbert Ricketts

Subscribed and sworn to before me, this 18 day of October [illegible]

William Hodge
Notary Public for the State of Montana

Residing at Butte

My Commission expires 5/16 [illegible]

RECORDED
[illegible]
[illegible]
[illegible]
[illegible]

STATE of MONTANA } ss.
County of Broadwater }

I hereby certify that the within instrument was filed for record in my office on the [illegible] day of [illegible] A.D. 19[illegible] at [illegible] o'clock A M and recorded in Book [illegible] of [illegible] page [illegible]

[illegible]
County Clerk and Ex-Officio Recorder
By [illegible]
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—6-62

File No. .....

STATE WATER CONSERVATION BOARD
RECEIVED
SEP 7 1965

DUPLICATE

T. ..... R. .....

County .....

LOG

REFERRED TO .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner W D Williams Address Radersburg Mont.

Driller Potts Drilling Address Bozeman Mont.

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

Date well started Aug 25-65 Date completed Aug-31-65

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.

Top of Ground

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

0-10
Dirty broken rock & sand

10-26
Sloppy buff colored clay.

26-32
Clay bound hard broken shale & sand (Buff colored)

30-Ft water level

32-52
Clay bound broken shal and sand (Red colored)

52-53
Soft Buff Shale

53-57
Brown Sandstone (water)

57-60
Soft Buff Shale.

60

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6" ID 18.97 lb per ft	0	41'6"			

Static Water Level for non-flowing well 30 feet.

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

Pumping Water Level 45 feet at 15 gal. per minute.

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

How Tested Pump & Bailer

Length of Test 4 hrs

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

N
W E
S

¼ ¼ ¼ Sec. .. T. .. N. R. .. E.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Open non cased drill hole from 41'6" to 60 ft. (Continue on reverse side)

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

Show exact depth of bottom.

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

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

150
Driller's License Number

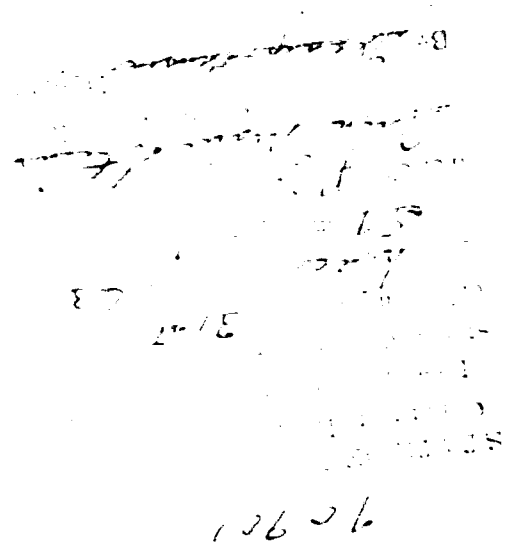
Herbert A Potts
Driller's Signature

72886

STATE OF MO ...
County of Broadwater ...

I hereby certify that the within ...
instrument was filed for record in my
office on the 3rd day
Sept ... 1965
... min. past ...
...

John Drane Stone
...
By Judy Johnson ...



Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.

T 5 N. R 1 E.

DUPLICATE

County Broadwater

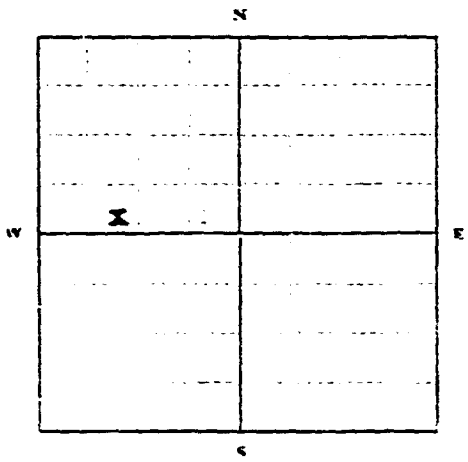
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, George Dundas (Name of Appropriator) of (Address) Toston, (Town)

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



SW ¼NW¼ Sec. 22 T5 N. R. 1 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
domestic & Irrigation

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

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

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
Garden and yard

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater approximately 50 years ago.

8. The depth of water table unknown, but well 65 feet deep.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
This is a drilled well, approximately 65 feet deep, approximately 6 inch casing, water withdrawn by means of an electric pump.

10. The estimated amount of groundwater witndrawn each year unknown

11. The log of formations encountered in the drilling of each well if available
no log 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 December 31, 1963.

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

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

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

18710

File No. .....

T 5N R 1E

DUPLICATE

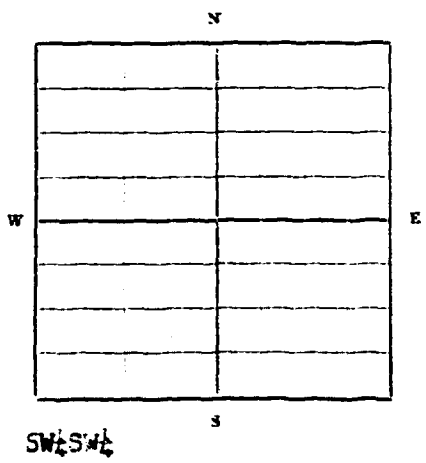
County .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, W.E. Spangler (Name of Appropriator) of (Address) Toston (Town)
County of Broadwater State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW¼SW¼ ¼ Sec. 23 T. 5NR 1E

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 & garden irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been about 1874 -continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 10 gals a 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 only on 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 1874

8. The depth of water table 26 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 43 feet deep-machine drilled with casing

10. The estimated amount of groundwater withdrawn each year about 12,000 gallons

11. The log of formations encountered in the drilling of each well if available clay and then gravel at bottom

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

Signature of Owner .....

Date January 4, 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.

STATE OF [illegible]
County of Bro[illegible]

I hereby certify that the [illegible] instrument was filed for re[illegible] office on the [illegible]

[illegible] minutes past [illegible]

o'clock [illegible] M.

[illegible]
County Recorder

By [illegible]

No 1 well

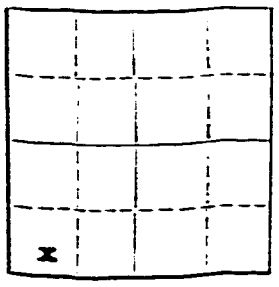
T. 5 R. 1E

County Broadwater

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
[illegible] 1963
STATE ENGINEER

WATER WELL LOG



Owner John Williams Address Radersburg

Driller Van Dyken Drilling Company Address Bozeman

Date Started Oct. 23, 1959 Date Completed Oct. 24, 1959

Location: Sec. 23 T. 5 R. 1E ¼ sec. S.W. /S.W.¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 32 ft. Type Prime steel Size 5 5/8" O.D. P.E.

Casing: ft. to ft. Type Size

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

Static Water level, for non-flowing well: 9 feet.

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

Pumping water level 12 feet at 40 gal. per min.

How tested: Bailer

Length of test 1 hr.

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

(over)

Log of Well

Depth, feet From	To	Description of Material Drilled
0	32	All sand and gravel

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.

DUPLICATE

Section 23 T. 5N R. 1E

County Broadwater

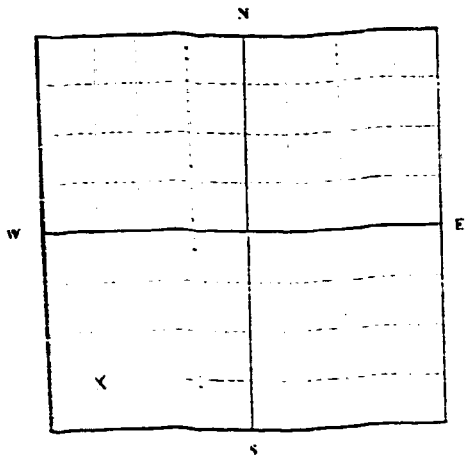
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John F. Williams (Name of Appropriator) of Radersburg (Address) (Town)

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



SW¼ ¼SW¼ Sec 23 T5N R1E

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 well

3. Date or approximate date of earliest beneficial use: and how continuous the use has been continuous since 1958

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

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

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 1958

8. The depth of water table 14 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 32 feet deep 6" steel casing

10. The estimated amount of groundwater withdrawn each year For 200 head cattle for 8 months

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 [illegible]

Date [illegible]

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

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

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

13755

70716

STATE OF COLORADO
County of Broomfield

I hereby certify that the within instrument was filed for record in my office on the 2 day of Dec A.D. 1963, at 47 min. past 3 o'clock P.M.

Jane Marie Flores
County Recorder

By ..... Deputy

Approved Stock Form—State Publishing Co., Helena, Montana 42262

File No. .....

Section 23 T 5N R 1E

DUPLICATE

County Broadwater

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

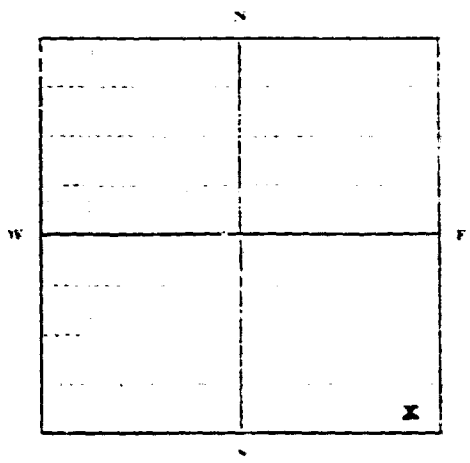
Date of Appropriation of Groundwater 1952

Owner John F. Williams Address Radersburg, Montana

Contractor (if any) .....

Address of Contractor .....

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



SE¼SE¼ Sec. 23 T. 5N R. 1E

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 spring

varies from 5" to 25" natural flow

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

continuous use

Just guessed the flow

Signature of Owner John F. Williams

Date 12/31/68

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

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

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

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

13149

Approved Stock Form—State Publishing Co., Helena, Montana—42262

File No. .....

Section 23
" 24

T. 5N R. 1E

DUPLICATE

County Broadwater

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 1952

Owner John F. Williams Address Radersburg, Montana

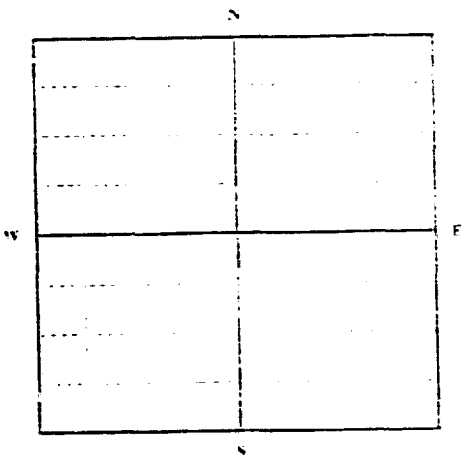
Contractor (if any) .....

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

sub irrigation



Section 23 Sec. ..... T. ..... R. .....
24 5N. 1E

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

Signature of Owner John F. Williams

Date [illegible]

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

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

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

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

13706

STATE OF MONTANA }
County of Broadwater. } ss.

I hereby certify that the within instrument was filed for record in my office on the 3 day of October A.D. 19 73 at 2 o'clock past 2 o'clock P.M.

Clerk and Recorder

By Deputy

Well No.

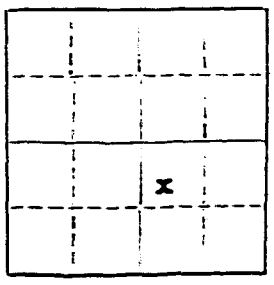
T. 5 R. 1E

County Broadwater

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER



Owner John Williams Address Radersburg

Driller Van Dyken Drilling Co. Address Bozeman

Date Started Oct. 24, 1959 Date Completed Oct. 26, 1959

Location: Sec. 24 T. 5 R. 1 E. ¼ sec. NW ¼ / SW ¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 36 ft. Type Prime steel Size 6 5/8 O.D. ? E.

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

Static Water level, for non-flowing well: 4 feet.

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

Pumping water level 16 feet at 18 gal. per min.

How tested: Bailer

Length of test 1hr.

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	4	top spils
4	36	Sand & gravel

File No.

Section 24 T. 5N R. 1E

DUPLICATE

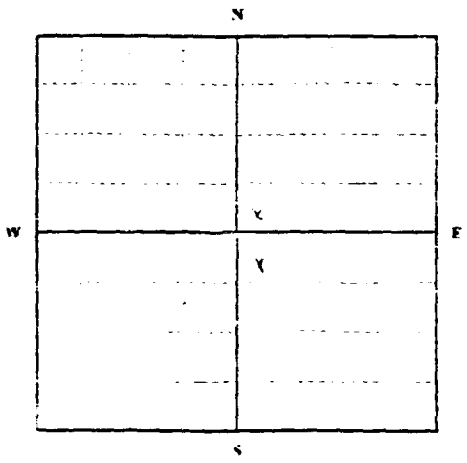
County Broadwater

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John F. Williams (Name of Appropriator) of Radersburg (Address) (Town)
County of Broadwater State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



¼ Sec. T. R.

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
2 stockwater wells

3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous use since May 1 1963
stockwater well Sept 1959 stockwater well

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1 week after th were drilled

8. The depth of water table Child's well 9 feet and Teague well 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 Teague well 42 feet deep 6" casing
child's ranch well 36 feet deep 6" casing (steel)

10. The estimated amount of groundwater withdrawn each year enough for 400 head of cattle for 7 months

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

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

Signature of Owner

Date

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

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

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

18763

STATE OF MONTANA } ss.
County of Broadwater.

I hereby certify that the within instrument was filed for record in my office on the [illegible] day of [illegible] A.D. 19[illegible] [illegible] min. past [illegible] o'clock [illegible] M.

[illegible]
County Recorder

By [illegible]

GW 2

File No. [illegible]

DUPLICATE

T. [illegible] R. [illegible] E

County [illegible]

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAY 10 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground [illegible]
(Elev. above sea level)

5 [illegible] gravel, clay & [illegible]
35 [illegible] sand & gravel

Owner J. F. Williams Address Roundup Mont

Driller [illegible] Address [illegible] Mont

Date of Notice of Appropriation of Groundwater

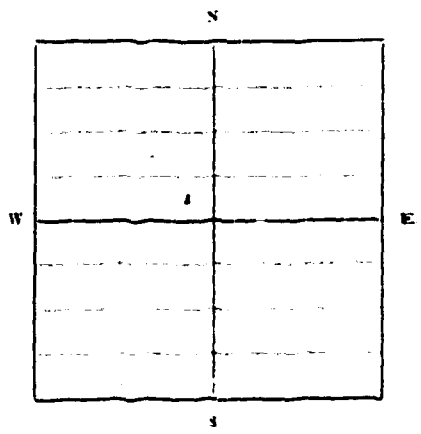
Date well started [illegible] 18-63 Date Completed [illegible] 27-63

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

Water Use: Domestic ☐ Municipal ☐ Stock ☑ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

[illegible] 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)
[illegible]	[illegible]		48	[illegible]	30	48



[illegible] ¼ Sec. [illegible] T. [illegible] R. [illegible]

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

Static Water Level for non-flowing Well 20 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 36 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well

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)

[illegible] for stock water

Show exact depth of bottom.

[illegible]
Driller's License Number

[illegible]
Driller's Signature

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

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

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

STATE OF MONTANA }
County of Broadwater. } ss.

I hereby certify that the within instrument was filed for record in my office on the 9 day of May A.D. 1962 at 50 min. past 2 o'clock P.M.

[illegible]
County Recorder.

By [illegible]

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—19318

File No.....

T 5 N R 3

DUPLICATE

County [illegible]

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)

	Top of Ground (Elev. above sea level.....)
0-13	Old dug well
13-17	Large boulders & gravels
17-29	Sands
29-30	Pea gravel

Owner Kitto Bros. Address Roston, Montana

Driller Van Dyken Drilling Co. Address Bozeman, Montana

Date of Notice of Appropriation of Groundwater None

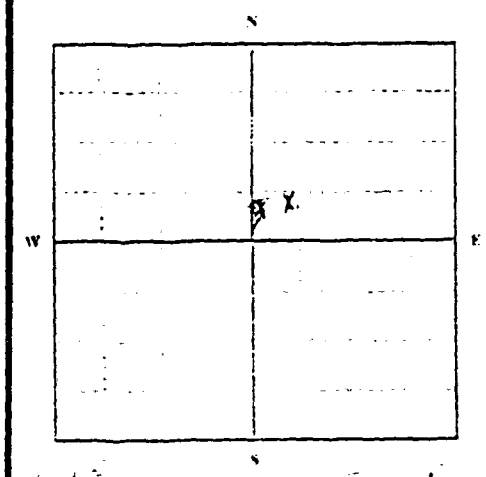
Date well started Nov. 5, 1962 Date Completed Nov. 6, 1962

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Cable Tools (Churn, drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6" 17# P.E.	0	26ft.	None		



NW 1/4 Sec. [illegible] T [illegible] R [illegible]
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 7' feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 16 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well None

How Tested Bailer Length of Test 1 hr.

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)

License No. 1
Driller's License Number

[signature]
Driller's Signature

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

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

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

6-9-21

STATE OF MONTANA } ss.
County of [illegible]

I [illegible] this instrument
[illegible] in my
office on [illegible] 31 [illegible]
[illegible] 6-2[illegible]
[illegible] 5
o'clock [illegible] M.
[illegible] Recorder.
By [illegible] Deputy

GW 2

File No. .....

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—19318

T ..... R .....

County .....

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 Kitto Bros. Address Toston, Montana

Driller Van Dyken Drilling Co. Address Bozeman, Montana

Date of Notice of Appropriation of Groundwater None

Date well started Nov. 7, 1962 Date Completed Nov. 9, 1962

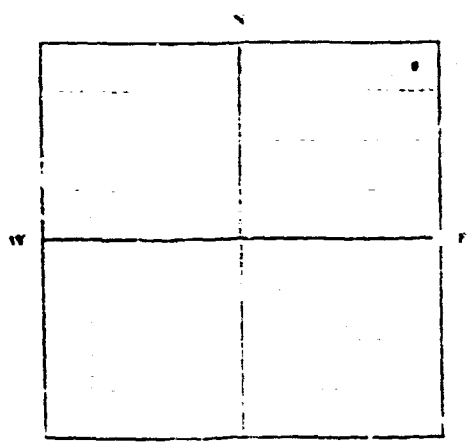
Type of well Drilled (dug, driven, bored or drilled) Equipment Used Cable tools (Churn, drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

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

Top of Ground (Elev. above sea level .....)	
0-3	Soils
3-12	Large gravels
12-29	Sands
29-32	Coarse sands

Size of Drilled Hole	Size and Weight of Casing		From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6"	17# F.S.	0	32		None	



¼ ¼ ¼ Sec. 25 T 3 S R 3 E

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 8 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 22 feet at 45 gal. per minute.

Discharge in gal. per min. of flowing well None

How Tested Bailer Length of Test 1 hr.

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.)

[illegible]

Driller's License Number

[signature]
Driller's Signature

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

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

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

64931

STATE OF MONTANA } ss.
County of Broadwater. }

I hereby certify that the within instrument was filed for record in my office on the 1st day of May 19[illegible] at 5 o'clock P. M.

[illegible]
County Recorder.

By [illegible] Deputy.

Approved Stock Form—State Publishing Co., Helena, Montana—3687

File No.

T 5 N R 1 East

DUPLICATE

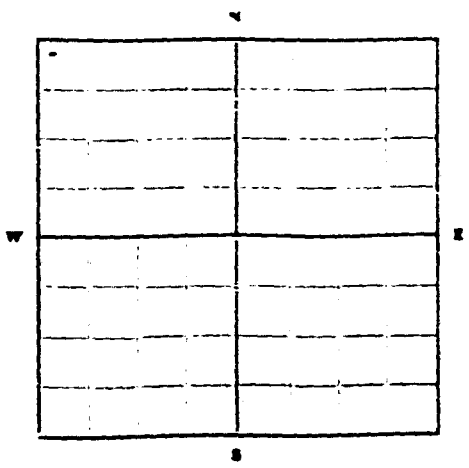
County Broadwater

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I Junior E. Lewis (Name of Appropriator) of [illegible] (Address) Toston (Town)
County of Broadwater State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW ¼ Sec. 25 T. 5N R. 1E

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 November 18, 1961--constant use

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

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

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 November 15, 1961 to November 18, 1961

8. The depth of water table ? 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 5" hole - 5" casing 24 feet deep

10. The estimated amount of groundwater withdrawn each year enough to water 50 head of cattle

11. The log of formations encountered in the drilling of each well if available
Soil 5 ft. Clay and gravel 5 ft. Rock and gravel 14 ft. Water level 9 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 Junior E. Lewis
Date

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

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

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

File No. .....

T. 5N R. 13

DUPLICATE

County Broadwater

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

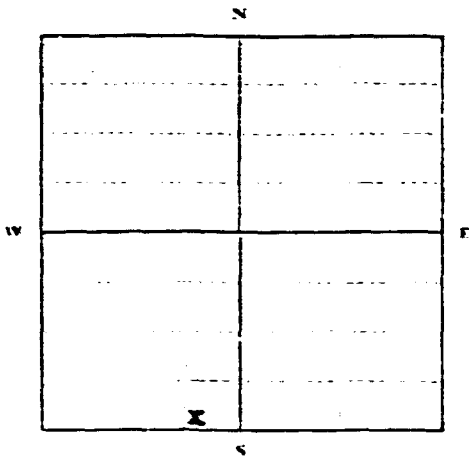
RECEIVED
DEC 27 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

Under Chapter 237, Montana Session Laws, 1961

1. Jenny and Clara Miller (Name of Appropriator) of R.F.D. (Address) Toston (Town)

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



S1/2 SW 1/4 Sec. 26 T 5N R. 13E

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 watering livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Approximately 1860. Continuous until 1957. Expect to use again soon.

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

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 pump jack and electric motor SE corner of S1/2 of SW 1/4 of Sec. 26

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approximately 1860. Our earliest water right from Crow Creek is 1868.

8. The depth of water table Eight 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. Fourteen feet deep, three feet in diameter and lined with rocks.

10. The estimated amount of groundwater withdrawn each year 285,000 gallons

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 None

Signature of Owner Jenny Miller

Date 12/16/63

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

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

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

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—45642

File No.

T 5 N R 1 E 26

DUPLICATE

County Broadwater

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

LOG

Top of Ground

(Elev. above sea level)

0 - 3' top soil and clays.
3' - 32' [illegible] gravels and some large boulders.
32' - 39' hard cemented [illegible], gravels and [illegible]
39' - 45' [illegible] and gravels, slightly [illegible].
45' - 51' dry clays.
51' - 55' large gravels and [illegible].
55' - 59' dry clays.
59' - 70' slightly cemented clays and sand, gravels and boulders.
70' - 73' dry clays.
73' - 80' large gravels and boulders.
80' - 93' dry clays.
93' - 97' large gravels.
97' - [illegible]' dry clays.
[illegible] - 108' [illegible] gravels.
[illegible] - 109' [illegible] clays.
[illegible] - 115' [illegible] gravels.
115' - 117' [illegible] clays.
117' - 120' [illegible] gravels.
[illegible] - 123' [illegible] clays.
[illegible] - 130' [illegible] gravels.
130' - 154' [illegible] clays and [illegible].
154' - 165' slightly cemented clays and sand, gravels and [illegible].
[illegible] drilling 171'

Show exact depth of bottom.

Owner CLARA MILLER & /A/K/A JAMES E. MILLER Address

Driller Address

Date of Notice of appropriation of groundwater

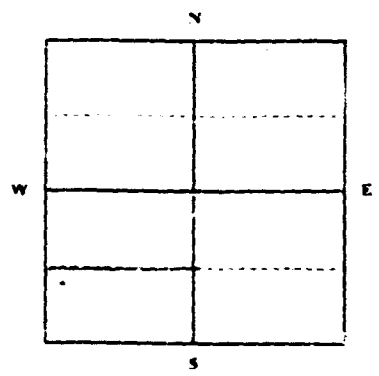
Date well started [illegible] 7 Date completed [illegible] 7

Type of well (Dug, driven, bored or drilled) Equipment used (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)
[illegible]	15" [illegible] casing	[illegible]	165'	[illegible]	7'	165'



SW¼ Sec. 26 T. 5N R. 1E

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

Static Water Level for non-flowing well [illegible]6' XXXX feet.

Shut-in Pressure for Flowing Well none

Pumping Water Level 72' feet at 2200 gal. per minute.

Discharge in gal. per min. of flowing well none

How Tested: [illegible]

Length of Test 10 hrs.

Remarks: Gravel packing, cementing, packers, type of shutoff [illegible] hole is gravel packed [illegible] 32' [illegible] Continue on reverse side.

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

182 acres

.1

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, tissue copy to be retained by driller.

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

Approved Stock Form State Printing Plant, Helena, Montana—4562

Well No.

T. 5 N. R. 1 East

County Broadwater

ORIGINAL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Name JIM MILLER Address TOSTON, MONTANA

Driller VAN DYKEN DRILLING CO. Address BOZEMAN, MONTANA

Number of Notice of Appropriation of groundwater NONE

Date commenced MAY 9,1967 Date completed May 20,1967

Method of drilling DRILLED (Dug, driven, bored or drilled) Equipment used REVERSE ROTARY (Churn drill, rotary or other)

Water to be used for: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☒ Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata penetrated, 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.

LOG

Top of Ground

(Elev. above sea level)

0 - 3' Top soils and clays.
3' - 34' Sand and gravels and some large boulders.
34' - 39' Hard cemented sand, gravel and large boulders.
39' - 47' Loose sand and and gravels, slightly claybound.
47' - 51' Dry clays.
51' - 57' Large gravels and boulders, cemented.
57' - [illegible] Dry clays.
[illegible] Slightly cemented gravel and sand, gravels and boulders.
[illegible] Clays.
[illegible] Sand and gravels.
[illegible] Clays.
[illegible] Sand and gravels.
[illegible] Clays.
[illegible] Sand and gravels.
[illegible] Clays. Dry.
[illegible] Sand and gravels.
[illegible] Clays.
[illegible] Sand and gravels.
[illegible] Mixed clays and gravels.
[illegible] Slightly cemented clay, gravel sand and gravels.

Total drilling 172'

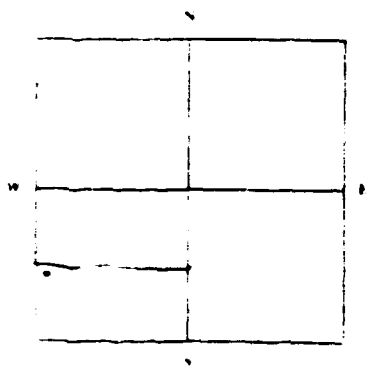
Size of Drilled Hole: 32"

Size and Weight of Casing: 16" O.D. ¼" wall Tested P.E.

From (Feet): 0

To (Feet): 165'

PERFORATIONS — Kind Size: ½X2" Slots; From (Feet): 70'; To (Feet): 165'



Static Water Level for non-flowing well 22'6" feet

Shut-in Pressure for Flowing Well none

Pumping Water Level 72' feet at 2400 gal. per minute

Discharge in gal. per min. of flowing well none

How Tested Turbine test pump.

Length of Test 10 hrs.

Remarks: Gravel packing, cementing, packer, type of shutoff 16" casing is centered in 32" hole and annular space between casing and hole is gravel packed with ½"x 3/8" washed and screened gravels. Surface to 51' is filled with compacted clays.

SW 26 T5N R1E

USE (Domestic, irrigation, industrial, drainage or other. Explain, state [illegible] or other data: Lot, Block and Addi-

LICENSE NO. 1

Driller's License Number

Driller's Signature: Bert Van Dyken

STATE OF MONTANA.

County of Broadwater } ss.

James E. Miller & Clara Miller having first been duly sworn, depose and say that they are of lawful age and the appropriators and claimants of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the persons whose name are subscribed thereto, as the appropriators and claimants, that they know the contents of said foregoing notice and that the matters and things therein stated are true.

James E. Miller
Clara Miller

Subscribed and sworn to before me, this 13th day of October 1947

[illegible]
Notary Public for the State of Montana

Residing at Townsend, Mont.

My Commission expires [illegible]

File No. .....

DUPLICATE

T ... R. ...

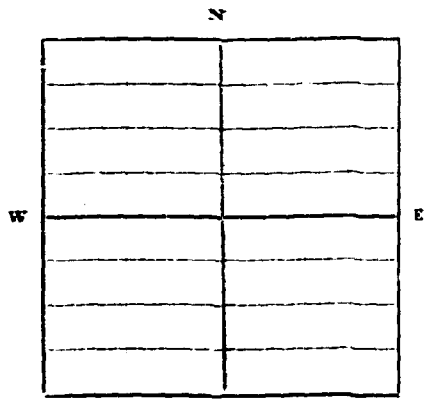
County ...

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, M.E. Spangler (Name of Appropriator) of Toston (Address) (Town)
County of Broadwater State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW¼NW¼ ¼ Sec. 26 T 5N R. 1E

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 watering-household purposes & irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1941 -continuous

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

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

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 1941

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 43 feet deep-drilled well with casing

10. The estimated amount of groundwater withdrawn each year about 15,000 gallons

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

Date January 4, 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.

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—12262

File No. .....

T. [illegible] R. [illegible]

DUPLICATE

County [illegible]

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED 1969 ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Under Chapter 237 Montana Session Laws, 1961

Date of Appropriation of Groundwater Dec. 30, 1963

Owner Earl Nett Address Cutbank, Montana

Contractor (if any) None

Address of Contractor None

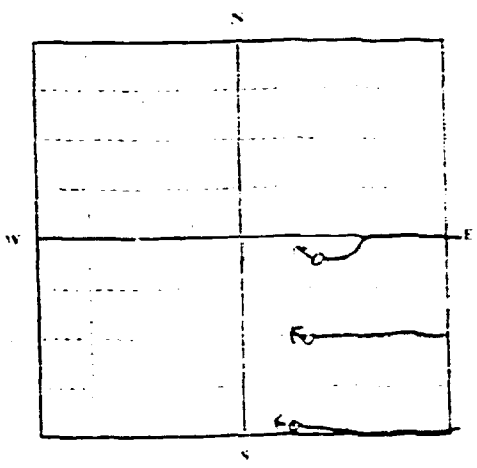
Date Started ..... Date Completed .....

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

Sub-irrigation by natural seep [illegible] No. 216 [illegible] [illegible] [illegible] 5" E 3 E.

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. [illegible]

No [illegible] [illegible] [illegible] water.



SE¼ Sec. 26 T. 5 N R. 1 E.

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

Signature of Owner Earl Nett

Date December 30, 1963

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

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

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

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