GROUNDWATER INDEX

Page ___ of ___

County CUSTER Twp. 5N Rge. 48E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	DAMM, FRANK S.	WATER WELL LOG		
2	DAMM, FRANK S. & JUDITH	WATER WELL LOG	2582	SAME AS SEC. # 2 BELOW (GW-1)
2	DAMM, FRANK S. & JUDITH	GW-4	2581	
~~2~~	~~DAMM, FRANK S. & JUDITH~~	~~GW-1~~	~~2582~~	
~~4~~	~~DAMM, FRANK S. & JUDITH~~	~~GW-1~~	~~2582~~	~~SAME AS SEC. # 2~~
4	DAMM, FRANK S. & JUDITH	WATER WELL LOG	2582	~~SAME AS SEC. # 2~~
7	SWOPE, JACK	GW-4	11030	
9	SWOPE, JACK	GW-2	22656	
17	SWOPE, JACK	GW-4	11032	
19	SWOPE, JACK	GW-4	11031	
19	WOODARD, NORMAN	GW-4	11134	
20	WOODARD, NORMAN	GW-4	11133	
21	SWOPE, JACK	GW-4	11030	SAME AS SEC. # 7
21	WOODARD, NORMAN	GW-4	11128	
27	SWOPE, JACK	GW-4	11031	SAME AS SEC. # 19
~~28~~	~~DAMM, FRANK S. & JUDITH~~	~~GW-1~~	~~2582~~	~~SAME AS SEC. # 2~~
32	JOHNSON, GEORGE W.	GW-4	7527	
35	SWOPE, JACK	GW-2	22655	
~~36~~	~~DAMM, FRANK S. & JUDITH~~	~~GW-1~~	~~2582~~	~~SAME AS SEC. # 2~~

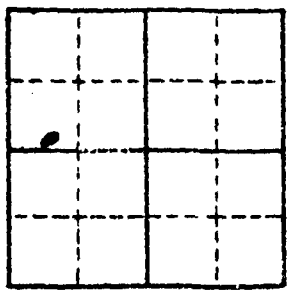
Form No. 18
8-60

T. 5 R. 48

County Custer

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log



Owner Frank St Judith Damm Address Miles City

Driller Floyd Higgins Address Miles City

Date Started Dec 3, 1955 Date Completed Dec 3, 1955

Location: Sec. 2 T. 5 R. 48 ¼ sec. N.E. ¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other

Casing: 30 ft. to ft. Type steel Size 4 in

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: 14 feet.

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

Pumping water level 18 feet at 8 gal. per min.

How tested: Bailed by driller

Length of test

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	6	top Soil
6	14	Quick Sand
14	24	Creek Gravel
24	30	coal & Shale

FILED
At 4:55 O'Clock
19
County Clerk and Ex-Officio Recorder
County
By

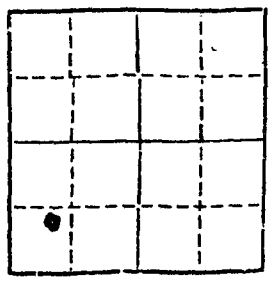
2555

T. 5 R. 48

County Custer

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Frank L. Damm and Judith Address Miles City

Driller George F. Atkins Address Miles City

Date Started Sept 10, 1948 Date Completed Sept 22 1948

Location: Sec. 2 T. 5 R. 48 ¼ sec. N. W. ¼

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

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 20 ft. to ft. Type Steel Size 6

Casing: 124 ft. to ft. Type Steel Size 3

Casing: 246 ft. to ft. Type Steel Size 2

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

Type of screen or perforations

Static Water level, for non-flowing well: 11 feet.

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

Pumping water level 23 feet at 10 gal. per min.

How tested: bailed by driller

Length of test

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

cemented to shut off surface water

material drilled through not available

(over)

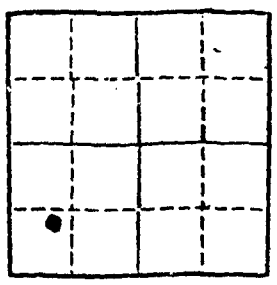
T. 5 R. 48

County Custer

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

WATER WELL LOG



Owner Frank L and Judith Damm Address Miles City

Driller George F. Aekins Address Miles City

Date Started Sept 10, 1948 Date Completed Sept 22 1948

Location: Sec. 2 T. 5 R. 48 ¼ sec. N. W. ¼

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

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 20 ft. to ft. Type Steel Size 6

Casing: 124 ft. to ft. Type Steel Size 3

Casing: 246 ft. to ft. Type Steel Size 2

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

Type of screen or perforations

Static Water level, for non-flowing well: 11 feet.

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

Pumping water level 93 feet at 10 gal. per min.

How tested: bailed by driller

Length of test

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

cemented to shut off surface water

material drilled through not available

(over)

File No. G.W.4/2582

DUPLICATE

T. ... R. ...

County. ...

STATE OF MON.
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JUL 12 ... STATE ENGINEER

RECEIVED JAN 2 1962 STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, Frank & Faith Damm (Name of Appropriator), of Miles City Mont (Address) (Town), County of Custer, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Domestic + livestock
   ...
   (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed
   100 gal per minute

4. The annual period (inclusive dates) of intended use year around

5. The probable or intended date of first beneficial use Dec 28. 1961

6. The probable or intended date of commencement and completion of the well* or wells* ...

7. The location, type, size and depth of well or wells contemplated
   explained on form no 18

8. The probable or estimated depth of the water table or artesian aquifer See form no 18

9. Name, address and license number of the driller engaged See form no 18.

10. Give such other similar information as may be useful in carrying out the policy of this act.
    I am appropriating all ground water on described property Sec 2-5-48, Sec 4-5-48 Sec 28-5-50, Sec 36-6-48

N — W — E — S

... ¼ Sec. ... T. ... R. ...

Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Frank S. Faith Damm

Date Dec. 28. 1961

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

Three copies of this notice are to be filed with 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.

File No. [illegible]

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

DUPLICATE

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 1 [illegible]
STATE ENGINEER

RECEIVED
[illegible]
STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I Frank S. Smith Damm, of Miles City Mont
(Name of Appropriator) (Address) (Town)
County of Custer, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Domestic & Livestock

(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed
120 gal per minute

4. The annual period (inclusive dates) of intended use Year around

5. The probable or intended date of first beneficial use Dec 28 1961

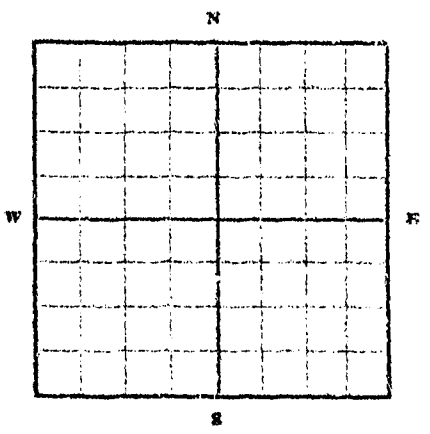
6. The probable or intended date of commencement and completion of the well* or wells*

7. The location, type, size and depth of well or wells contemplated
explained on form No 18

8. The probable or estimated depth of the water table or artesian aquifer See form No 18

9. Name, address and license number of the driller engaged See form No 18

10. Give such other similar information as may be useful in carrying out the policy of this act
I am appropriating all ground water on discribed property Sec 2-5-48, Sec 4-5-48 Sec 28-5-50, Sec 36-6-48



¼ Sec. T. R.

Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Frank S. Smith Damm

Date Dec. 28, 1961

---

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

Three copies of this notice are to be filed with 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.

1008

2582

FILED

1:55 O'Clock P. M.

Dec. 29 1961

J. E. Anderson

Clerk and Ex-Officio Recorder

County, Montana

GW

File No. .....

T. [illegible] R. [illegible]

DUPLICATE

County [illegible]

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

[illegible] BOOK [illegible]

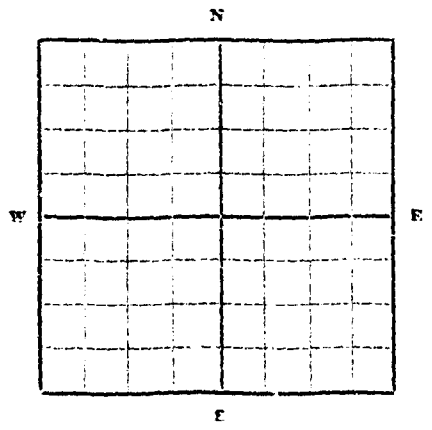
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Frank S. & Judith Dawson of [illegible]
(Name of Appropriator) (Address) (Town)

County of [illegible] 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 [illegible] Domestic & Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been about 12-31-43 Used continuously since then

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 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 Submersible & Electric motors

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater See form 7-18

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 See form 7-18.

10. The estimated amount of groundwater withdrawn each year estimated 20 gals per minute continuous

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 See county Clerk & Recorders file

Signature of Owner Frank S. Judith Dawson

Date Dec 28. 1961

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.

(C)

2551

FILED

at 4:50 O'Clock P. M.

Dec. 29 1961

J. E. Anderson

County Clerk and Ex-Officio Recorder

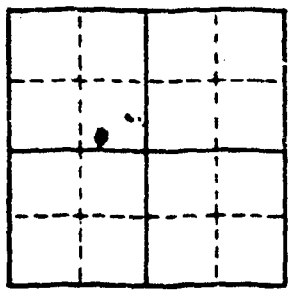
Custer County, Montana

Form No. 18
8-60

T. 5 R. 48

County Custer

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana



Water Well Log

Owner Frank S & Judith Damm Address Miles City

Driller Floyd Higgins Address Miles City

Date Started April 22 1955 Date Completed April 27 1955

location: Sec. 4 T. 5 R. 48 ¼ sec. N E ¼

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

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

Industrial [ ] Drainage [ ] Other

Casing: 162 ft. to ft. Type Steel Size 4 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: 115 feet.

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

Pumping water level 130 feet at 10 gal. per min.

How tested: bailed by driller

Length of test

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

Lo

(over)

Log of Well

Depth feet		Description of Material Drilled
From	To	

FILED

At 4:55 O'Clock P M.

Dec 29 1961

D. E. Anderson

County Clerk and Ex-Officio Recorder

[illegible] County, [illegible]

By

2582

File No.....

DUPLICATE

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

County.....

RECEIVED
DEC
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

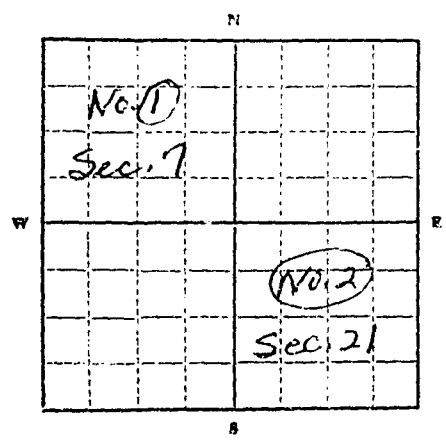
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I Jack Dwope (Name of Appropriator) of Tongue River Stage, Miles City (Address) (Town)

County of ..... State of Montana

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



.....¼..... Sec..... T 5N R 48E

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 (1) house and stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been (1) May 30, 1959, Continuous; (2) May 27, 1960, Continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) (1) 2 gal (2) 1022 gal per.

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 (1) flowing (2) submersible pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater (1) May 24, 1959 - completed in week. (2) May 20, 1960, Completed in week.

8. The depth of water table (1) not available (2) 175 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 (1) 780 ft. deep, 27 ft. 5" Casing, 760 ft. 2 in casing.

(2) 412 ft. deep, 412 ft. 4 in casing, 210 ft. 1 in pipe.

10. The estimated amount of groundwater withdrawn each year (1) 1,051,200 gal (2) 1,095,000 gal.

11. The log of formations encountered in the drilling of each well if available (1) 30 ft gravel, 30-200 dry sand, 200-400 gumbo, 400-500 watersand, 500-600 gumbo, 600-710 sand (2) 5-10 ft. 10-38 shale, 38-90 blue clay, 90-95 coal, 95-155 shale, 155-159 rock, 159-275 shale, 275-277 rock, 277-347 shale, 347-370 sand, 370-374 rock, 374-400 sand water.

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

Signature of Owner .....

Date Dec 21, 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.

13488

FILED

At 4:42 O'Clock P.M.

Dec. 27 1963

H.E. Anderson

County Clerk and Ex-Officio Recorder

Custer County, Montana

By _____ Dep.

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4232.

9

File No. ....

STATE WATER CONSERVATION BOARD

APR 24 1967

T. ... R. ...

County Custer

DUPLICATE

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
~~sand & gravel~~
(Elev. above sea level ....)
gravel
rock
sand
clay
115
rock
clay
sand
rock
210 clay
rock
clay
rock
sand
455

Show exact depth of bottom.

Owner Jack Snapp Address Tongue River

Driller Floyd Higgins Address Miles City

Date of Notice of appropriation of groundwater ....

Date well started .... Date completed ....

Type of well flowing (Dug, Driven, bored or drilled) Equipment used Rotary (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	Perforations: From (Feet)	Perforations: To (Feet)
5	3"	0	370			
~~4½~~	~~3~~			3/8	395	455
4"	3½"	370	455'	holes		

N / W / E / S (section diagram, well marked x)

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

Shut-in Pressure for Flowing Well ....

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

Discharge in gal. per min. of flowing well 6 gal.

How Tested ....

Length of Test ....

Remarks: (Gravel packing, cementing, packers, type of shutoff) Cemented at 370' 5 sak Cement.

.....¼..... Sec. 7 T. 3N R. 47E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

.... (Continue on reverse side)

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

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

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

12
Driller's License Number

Floyd Higgins
Driller's Signature

41,891

22656

FILED

At 10:45 O'Clock A M

April 21 1967

L. J. Sanderson

County Clerk and Ex-Officio Recorder

Custer County, Montana

By _____ Dep

File No..........

T. 5N R. 48E

DUPLICATE

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jack Dwore (Name of Appropriator) of Tongue River Stg. (Address) Miles City (Town)

County of Custer State of Montana

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

SE 1/4 SW Sec 17 T. 5N R. 48E

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 May 10, 1958 Has been used all of the time

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 N.A.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced April 27, 1958, completed week later

8. The depth of water table 120 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled 250 feet deep - Cased 4" steel

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

11. The log of formations encountered in the drilling of each well if available at 60 ft dry sand at 60-70 ft coal, 70-180 ft gumbo, 180-250 water 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 None

Signature of Owner Jack Dwore

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.

13990

File No.....

DUPLICATE

T 5N R 48E

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

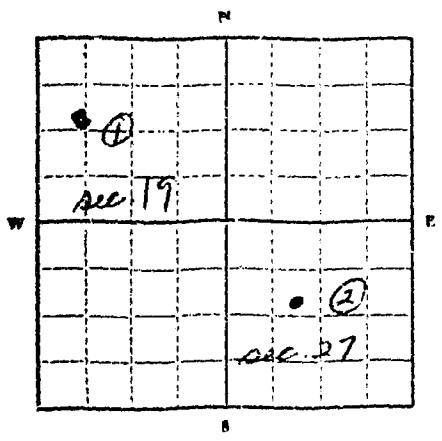
RECEIVED
DEC
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jack Dwyer (Name of Appropriator) of Tongue River Stage, Miles City (Address) (Town)

County of Custer State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1952, as follows:



.....¼..... Sec..... T 5N R 48E

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 (1) stock water (2) stock water

3 Date or approximate date of earliest beneficial use; and how continuous the use has been (1) July 10, 1961, almost continuous. (2) February 23, 1960 Continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) (1) 10 gal per (2) 10 gal per

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 ① Submersable pump ② Submersable pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 1, 1961 completed in weeks Feb. 17 Completed in week

8. The depth of water table ① 50 ft. ② 150 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 ① 1/3 H.P. submersable pump, 205 ft. deep 200 ft. 4 in casing, 142 ft. 1 in pipe.

② 1 H.P. submersible pump, 250 ft. deep, 252 ft. 4 in casing 180 ft. 1 1/4 in pipe

10. The estimated amount of groundwater withdrawn each year ① 1,200,000 ② 1,100,000

11. The log of formations encountered in the drilling of each well if available 6-20 gravel, 20-42 clay, 42-48 rock, 48-125 clay, 125-130 coal, 130-180 clay, 180-205 Water sand. ② 12 shale, 12-25 sand, 25-40 clay, 40-43 coal, 43-185 clay, 185-188 rock, 188-195 shale, 195-205 coal, 205-250 water 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..... None

Signature of Owner Jack Dwyer

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.

13489

FILE

4:44 O'Clock P

Dec. 27 1963

[illegible signature]

[illegible]

[illegible]

T. 5 R. 48
County Custer

File No. ....

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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

NE 1/4 SW Sec. 19 T. 5 R. 48

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 11/23/48

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 11/18/48 11/23/48

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 .... 35 ft deep 35 ft 2" casing 10 ft perforation

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

11. The log of formations encountered in the drilling of each well, if available .... 0-15 ft topsoil 15-20 ft gravel 20 to 25 ft gumbo 25-35 ft 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 Norman Woodard

Date Dec 30-63

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

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

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

14077

FILED

at 1:36 o'clock P

Dec 30 1963

File No.

DUPLICATE

T. 5 R. 48

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. I Norman Woodard of Miles City (Name of Appropriator) (Address) (Town)

County of Custer State Montana

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

NW 1/4 SW Sec. 20 T. 5 R. 48

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 Domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 11/29/47

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 11/23/47 11/29/47

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 216 ft deep 4-ft 4" casing 212 ft 2" casing 64 ft perforated

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well, if available 0-15 top soil 15-22 ft gravel 22-152 ft gumbo 152 to 216 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 Norman Woodard

Date Dec 30-63

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

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

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

14076

File No.....

DUPLICATE

T. 5 R. 48
County Custer

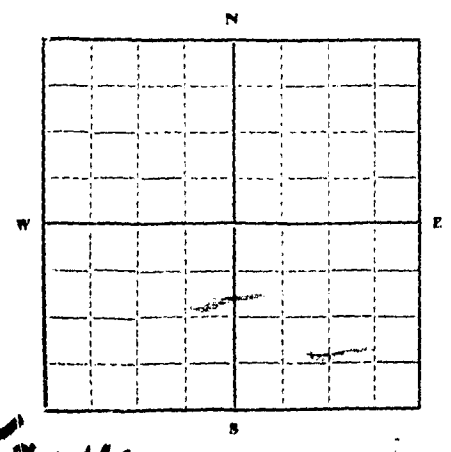
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Norman Moreland, of Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW NE ¼ Sec. 21 T. 5 R. 48

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 11/5/48

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

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 11/5/48 11/5/48

8. The depth of water table 65 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 2-2 ft dug 22 ft 6" casing 220 ft 6" casing 80 ft perforation

10. The estimated amount of groundwater withdrawn each year.

11. The log of formations encountered in the drilling of each well if available 0-15 ft top soil 15-22 ft gravel 22-140 gumbo 140-220 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

Signature of Owner Norman Moreland

Date Dec 30-63

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

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

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

14071

1128

Filed
at 1:30 o'clock P
Dec 30 1963
County Clerk and ex-Officio Recorder of
Deputy

File No.....

T. 5 R. 48

DUPLICATE

County Custer

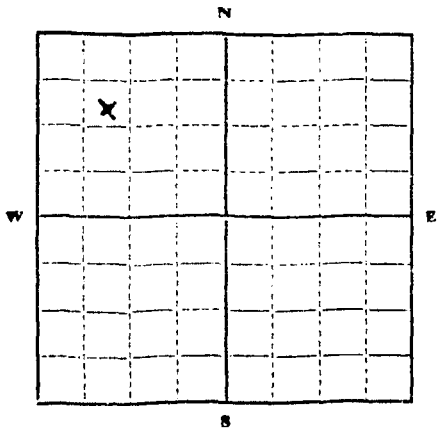
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George W. Johnson (Name of Appropriator) of Tongue River Stage (Address) Miles City (Town)

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



NW ¼ NW ¼ Sec. 32 T. 5 R. 48

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 watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 1, 1958 continuous use during grazing season

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3000 gallons per day

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof no irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal gas engine and pump jack Sec. 32-5-48 NW¼NW¼

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater started April 15, 1958 completed June 1, 1958

8. The depth of water table 100 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 water well 4" casing 350' deep. 200' of 2½" casing inside of 4" using wooden rods and 2½" working barrel.

10. The estimated amount of groundwater withdrawn each year 540,000 gallons

11. The log of formations encountered in the drilling of each well if available 0-100' dry sand, 100-280' gumbo, 280-350' water 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 George W. Johnson

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.

3753

7527

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4047

File No. .... STATE WATER CONSERVATION BOARD T. 5N R. 48E

DUPLICATE APR 24 1957 County Custer

Bills ——— McDermott ——— STATE OF MONTANA
Butte ——— ADMINISTRATOR OF GROUNDWATER CODE
Co... ——— Morton ——— OFFICE OF STATE ENGINEER
Dan... ——— Sullivan ———

Top of Ground

(Elev. above sea level Dickert ...)

sand
gravel
coal

shale

Rock

shale

sand

shale

coal

sand

275 - Bottom

Show exact depth of bottom.

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Jack Snape Address Tongue river

Driller Floyd Higgins Address Miles City

Date of Notice of Appropriation of Groundwater ....

Date well started .... Date Completed ....

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 7/8	8 lb. 4" I D	0	275	3/8 holes	180	275

Static Water Level for non-flowing Well 130' feet.

Shut-in Pressure for Flowing Well ....

Pumping Water Level 170 feet at 7 gal. per minute.

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

How Tested Bailer & Air 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) ....

N — W — E — S

X

.....¼..... Sec. 35 T. 5N R. 48 E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

12
Driller's License Number

Floyd Higgins
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.

41,890

22655

FILED

At 12:40 O'Clock A.

April 21 1967

County Clerk and Ex-Officio Recorder o
Custer County, Montana

By _____ Depu

GROUNDWATER INDEX

Page ____ of ____

County CUSTER Twp. 5N Rge. 49E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	GIESCKE BROTHERS	GW-4	8679	

2

File No.....

DUPLICATE

T. 5N R. 49E

County Custer

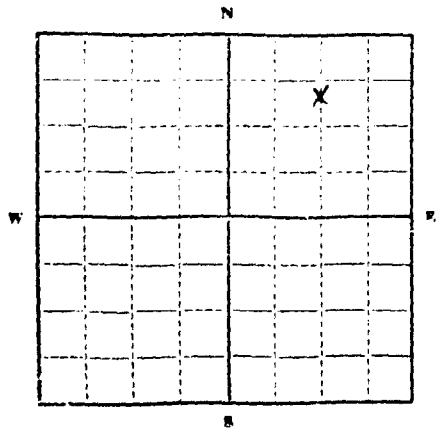
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 19 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Giesicke Brothers, a co-partnership, consisting of Richard Giesicke & Ralph Giesicke of Box 221 Miles City
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE ¼ Sec. 2 T 5N R 49E

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. Has been used continuously for more than 10 years.

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
No 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. More than 10 years prior to making this declaration, but exact date unknown.

8. The depth of water table. Unknown.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Depth of well 112 feet.

10. The estimated amount of groundwater withdrawn each year Unknown, but pumps 5 gallon per minute.

11. The log of formations encountered in the drilling of each well if available. 0-42 surface soil; 42-52 gravel; 52-60 sand; 60-62 hard rock; 62-70 sand; 70-94 blue shale; 94-98 hard rock; 98-110 blue 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.....
No other information known.

GIESICKE BROTHERS
Signature of Owner By Richard W Giesicke

Date February 21, 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.

4673.

FILED

At 9:05 O'Clock a. M

June 17 1963

H. E. Anderson

County Clerk and Ex-Officio Recorder of
Custer County, Montana

By ______________________ Deputy

GROUNDWATER INDEX

Page ___ of ___

County CUSTER Twp. 5N Rge. 32E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	GIESICKE BROTHERS	GIW-2	18937	
12	GIESICKE BROTHERS	GIW-4	8673	
23	GIESICKE BROTHERS	GIW-4	8674	
28	DAMM, FRANK S. & JUDITH	GW-1	2582	
28	DAMM, FRANK S. & JUDITH	WATER WELL LOG	2582	~~[illegible]~~
28	DAMM, FRANK S. & JUDITH	WATER WELL LOG	2582	~~[illegible]~~

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4232

File No.....

T. 5 N. R. 50 E.

DUPLICATE

County. Custer

LOG

Top of Ground

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

0 - 10 Top Soil

10 - 35 Gravel

35 - 410 Gumbo

410 - 483 Sand

484

Show exact depth of bottom.

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 Giesecke Brothers, a co-partnership, consisting of Richard Giesecke and Ralph Giesecke Address Box 221 Miles City, Montana

Driller George F. Askin Address 1900 North Daly Miles City, Montana

Date of Notice of appropriation of groundwater January 11, 1966

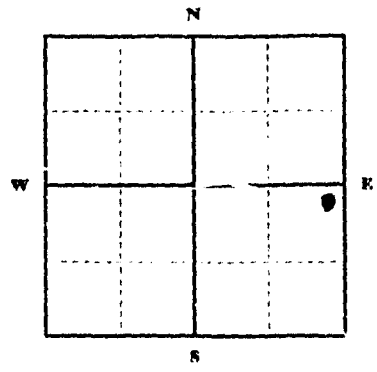
Date well started July 10, 1964 Date completed July 15, 1964

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 ☐

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)
6"	4" Casing 11 lbs. to ft.	0	484	4" Slotted	400	484



SE¼..... Sec. 1 T. 5N. R 50E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 296 feet.

Shut-in Pressure for Flowing Well Not Applicable

Pumping Water Level 326 feet at 10 gal. per minute.

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

How Tested Bailer test

Length of Test 3 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff) None

.....(Continue on reverse side)

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

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

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

50
Driller's License Number

George F Askin
Driller's Signature

46-747

18934

FILED

At 1:25 O'Clock P.M.

Jan 13 1966

H E Anderson

County Clerk and ex-Officio Recorder

Custer County, Montana

By Ruth Root

Deputy

File No.....

DUPLICATE

T. 5 N. R. 50 E

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

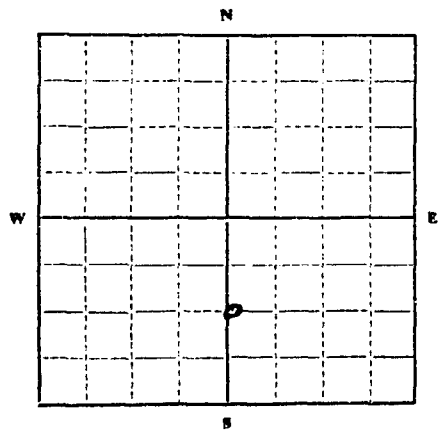
RECEIVED
JUN 19 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Giesicke Brothers, a co-partnership, consisting of Richard Giesicke & Ralph Giesicke of Box 221 Miles City
(Name of Appropriator) (Address) (Town)

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



SE ¼ Sec. 12 T 5N R 50E

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 and used in dwelling

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Has been used continuously for more than 10 years.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater More than 10 years prior to making this declaration, but exact date unknown.

8. The depth of water table Unknown

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 believed to be approximately 800 feet deep, with 600 feet of pipe.

10. The estimated amount of groundwater withdrawn each year Unknown, but pumps 30 gal. per minute when needed for household use and watering livestock.

11. The log of formations encountered in the drilling of each well if available
Appropriator knows of no log formations, as well was drilled before present owners purchased land.

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
No other information known.

GIESICKE BROTHERS
Signature of Owner By Richard W Giesicke

Date February 21, 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.

11667

FILED

At 8:35 O'Clock A. M.

June 17 1963

T. E. Anderson

County Clerk and Ex-Officio Recorder.

Custer County, Nebraska

By _____ Deputy

File No.....

DUPLICATE

T. 5N R. 50E

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

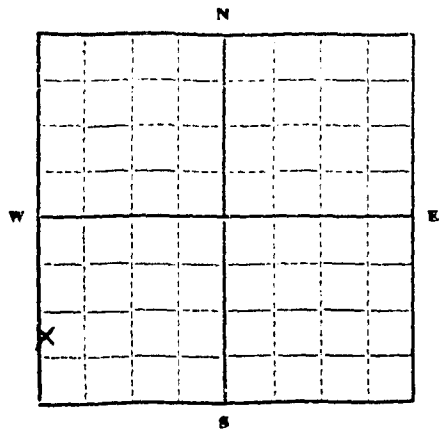
RECEIVED
JUN 19 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Giesicke Brothers, a co-partnership, consisting of Richard Giesicke & Ralph Giesicke of Box 221 Miles City
(Name of Appropriator) (Address) (Town)

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



SW ¼ Sec. 23 T 5N R 50E

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. Has been used continuously for more than 10 years.

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
No 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. More than 10 years prior to making this declaration, but exact date unknown.

8. The depth of water table. Unknown.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
Depth of well 150 feet.

10. The estimated amount of groundwater withdrawn each year. Unknown, but pumps 5 gallon per minute.

11. The log of formations encountered in the drilling of each well if available.
Appropriator knows of no log formations, as well was drilled before present owners purchased land.

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.
No other information known.

Signature of Owner GIESICKE BROTHERS
By Richard W Giesicke

Date February 21, 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.

1668

FILED

At 8:40 O'Clock A. M

June 17 1963

H. E. Anderson

County Clerk and Ex-Officio Recorder

Custer County, Montana

By ________

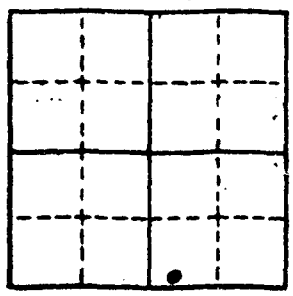
Form No. 18
8-60

T. 5 R. 50

County Custer

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log



Owner Frank S. + Judith Damm Address Miles City

Driller George Askins Address Miles City

Date Started _____ Date Completed _____

Location: Sec. 28 T. 5 R. 50 ¼ sec. S.W. ¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other _____

Casing: 160 ft. to _____ ft. Type Steel Size 4 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: 90 feet.

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

Pumping water level 120 feet at 10 gal. per min. _____

How tested: bailed by driller

Length of test _____

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

dates + material of drilling not available

(over)

Log of Well

Depth feet		Description of Material Drilled
From	To	

2580

FILED
At 4:55 O'Clock P.M.
Dec 29 1961
[illegible]
County Clerk and Ex-Officio Recorder
Custer County, Montana
By

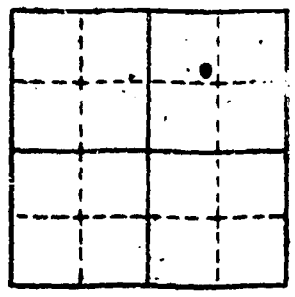
Form No. 18
8-60

T. 5 R. 50

County Custer

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log



Owner Frank S. & Judith Damm Address Miles City

Driller Floyd Higgins Address Miles City

Date Started _____ Date Completed _____

Location: Sec. 28 T. 5 R. 50 ¼ sec. N. E. ¼

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

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

Casing: 30 ft. to _____ ft. Type Steel Size 6

Casing: 302 ft. to _____ ft. Type Steel Size 4

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: 150 feet.

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

Pumping water level 180 feet at 8 gal. per min.

How tested: bailed by driller

Length of test _____

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	12	Gumbo
12	20	Brn Sand
20	25	gravel
25	26	coal
26	27	rock
27	50	Gumbo
50	75	Gumbo
75	80	Sand rock
80	105	Sand, bailed dry
105	110	coal
110	140	clay
140	142	rock
142	150	coal
150	268	shale
268	270	rock
270	310	Water Sand

2582
FILED
At 4:55 O'Clock P.M.
Dec. 27 1961
[illegible]
County Clerk and Ex-Officio Recorder
Custer County, Montana
By ________ Dep.

GROUNDWATER INDEX

County CUSTER Twp. 5N Rge. 57E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
5	GIESICKE BROTHERS	GW-2	18932	
5	GIESICKE BROTHERS	GW-2	18933	
21	GIESICKE BROTHERS	GW-4	8675	

CW 2 Approved Stock Form—State Publishing Co., Helena, Montana—423... 3

File No.....

T. 5 N. R. 51 E.

DUPLICATE

County Custer

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0 - 353 Gumbo

353 - 415 Sand

Owner Giesecke Brothers, a co-partnership, consisting of Richard Giesecke and Ralph Giesecke Address Box 221 Miles City, Montana

Driller George F. Askin Address 1900 North Daly Miles City, Montana

Date of Notice of appropriation of groundwater January 11, 1966

Date well started July 10, 1964 Date completed July 15, 1964

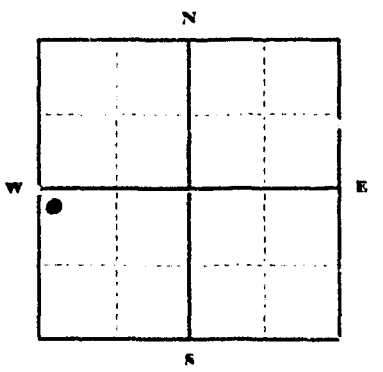
Type of well Drilled (Dug, Driven, bored or drilled) Equipment used Rotary (Churn drill, rotary or other)

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

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)
6"	4" Casing 11 lbs. to ft.	0	416	4" Slotted	353	416

416
Show exact depth of bottom.



NW ¼ Sec 5 T. 5N R. 51E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 180 feet.

Shut-in Pressure for Flowing Well Not applicable

Pumping Water Level 235 feet at 10 gal. per minute.

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

How Tested Bailer test.

Length of Test 3 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff) None

(Continue on reverse side)

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

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

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

50
Driller's License Number

George F. Askin
Driller's Signature

No 116

18933

FILED

at 1:20 O'Clock P. M.

Jan 13 1966

H. E. Anderson

County Clerk and ex-officio Recorder of

Custer County, Montana

Ruth Rost

Deputy

GW 2

STATE WATER CONSERVATION BOARD

JAN 14 1966

Approved Stock Form—State Publishing Co., Helena, Montana—42329

File No.....

T. 5 N. R. 51 E.

DUPLICATE

County Custer

LOG

Top of Ground

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

0 - 348 Gumbo

348 - 432 Sand

433

Show exact depth of bottom.

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 Giesecke Brothers, a co-partnership consisting of Richard Giesecke and Ralph Giesecke Address Box 221 Miles City, Montana

Driller George F. Askin Address 1900 North Daly Miles City, Montana

Date of Notice of appropriation of groundwater January 11, 1966

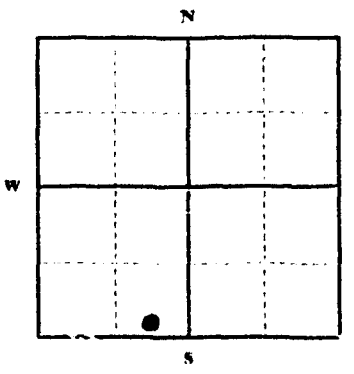
Date well started July 10, 1964 Date completed July 15, 1964

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 ☐

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)
6"	4" casing 11 lbs. to ft.	0	433	4" Slotted	349	433



SW ¼ Sec. 5 T. 5N. R51E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 212 feet.

Shut-in Pressure for Flowing Well Not applicable

Pumping Water Level 256 feet at 10 gal. per minute.

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

How Tested Bailer Test

Length of Test 3 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff) None

(Continue on reverse side)

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

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

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

50
Driller's License Number

George Askin
Driller's Signature

1-20-66

18932

FILED

at 1:15 O'Clock P.

Jan 13 1966

N. E. Anderson

County Clerk and ex-officio Recorder of

Custer County, Montana

by Ruth Karl Deputy

21

File No.....

DUPLICATE

T. 5N R. 51E

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 19 1963
STATE ENGINEER

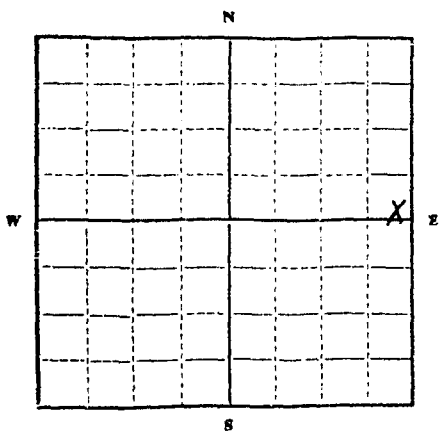
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Giesicke Brothers, a co-partnership, consisting of Richard Giesicke & Ralph Giesicke of Box 221 Miles City
(Name of Appropriator) (Address) (Town)

County of Montana State of Montana

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



NE 1/4 Sec. 21 T. 5N R. 51E

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. Has been used continuously for more than 10 years.

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
No 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 More than 10 years prior to making this declaration, but exact date unknown.

8. The depth of water table Unknown.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
Depth of well 360 feet.

10. The estimated amount of groundwater withdrawn each year Unknown, but pumps 5 gallon per minute.

11. The log of formations encountered in the drilling of each well if available
Appropriator knows of no log formations, as well was drilled before present owners purchased land.

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
No other information known.

GIESICKE BROTHERS
Signature of Owner By Richard W Giesicke

Date February 21, 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.

4649

9475

FILED

At Five O'Clock A.M.

June 17 1963

O. E. Anderson

County Clerk and Ex-Officio Recorder of
Custer County, Montana

By ______________________ Deputy

GROUNDWATER INDEX

Page ___ of ___

County CUSTER Twp. 5N Rge. 32E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
22	KEMP, MARGARET B.	GW-4	21188	
22	KEMP, MARGARET B.	GW-4	21187	
22	KEMP, MARGARET B.	GW-4	11024	
24	KEMP, MARGARET B.	GW-4	21192	
24	KEMP, MARGARET B.	GW-4	21191	
24	KEMP, MARGARET B.	GW-4	11023	
26	KEMP, MARGARET B.	GW-4	21189	
26	KEMP, MARGARET B.	GW-4	11024	SAME AS SEC. #22
27	KEMP, MARGARET B.	GW-4	11024	SAME AS SEC. #22
27	KEMP, MARGARET B.	GW-4	21190	
36	JORDAN RANCH CO.	GW-4	11384	

STATE WATER CONSERVATION BOARD

File No. P1488

OCT 10 1966

T. 5 R. 52

DUPLICATE

County Custer

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

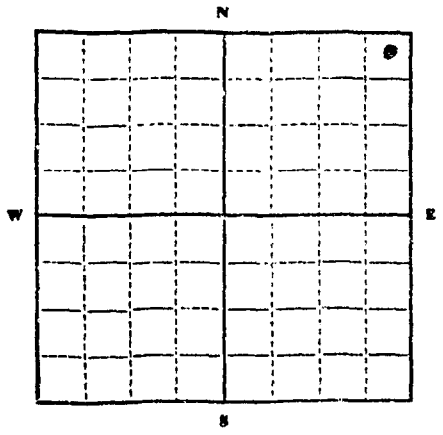
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Margaret E Kemp (Name of Appropriator) of Box 1072 (Address) Miles City (Town)

County of Custer State of Montana

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



NE ¼ Sec. 22 T. 5 R. 52

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 Well

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept 20 1943

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sept. 10Th 1943

8. The depth of water table 7 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 566 ft deep
164 ft. 3" Casing
403 ft. 2" Casing
7 jts 2" Perforations

10. The estimated amount of groundwater withdrawn each year Continual Use

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 Margaret E Kemp

Date Sept Oct 9, 1966

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.

41,496

21188

FILED

At 3:10 O'Clock P M

[illegible] 1966

[illegible]

County Clerk and Ex-Officio Recorder of
Custer County, Montana

By _____

Deputy

File No. 21187 STATE WATER CONSERVATION BOARD

OCT 10 1966

T. 5 R. 52

DUPLICATE

County Custer

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

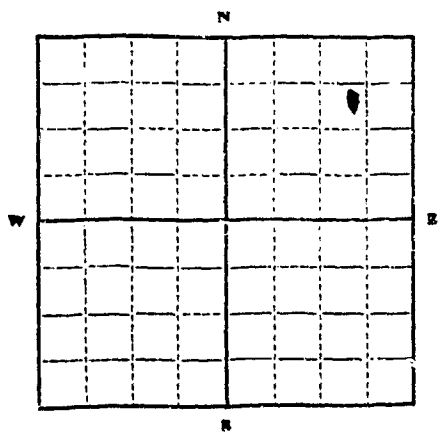
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Margaret E. Kemp of 1072 Miles City
(Name of Appropriator) (Address) (Town)

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



NE ¼ Sec. 22 T. 5 R. 52

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

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been Aug 15 1944

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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

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 Aug 13 1944

8. The depth of water table 60 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 117 ft deep
60 ft 4" Casing
63 " 3" "
9 ft perforations

10. The estimated amount of groundwater withdrawn each year Continuous use

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 Margaret E. Kemp

Date Oct 9 1966

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.

41,495

21187

FILED

At 3:55 O'Clock P M

October 2 1966

L. D. Sanders

County Clerk and Ex-Officio Recorder of
Custer County, Montana

By _____ Deputy

File No.....

DUPLICATE

T. 5N R. 52E
Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

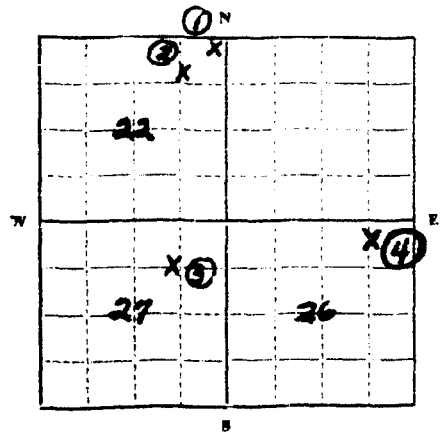
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. MARGARET B. KEMP of POWDERVILLE STAGE MILES CITY
(Name of Appropriator) (Address) (Town)

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



.....¼..... Sec..... T 5N R 52E

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
ALL WELLS

3. Date or approximate date of earliest beneficial use; and how continuous the use has been (1) 1943 - CONTINUOUS
(2) 1944 - CONTINUOUS (3) 1946 - CONTINUOUS
(4) 1950

4. The amount of groundwater claimed (in miner's inches or gallons per minute) (1) 15 GPM (2) 5 GPM
(3) 5 GPM (4) 80 GPM.

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 - WINDMILL

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 (1) 5 FEET (2) 30 FT (3) 30 FT (4) FLOWS

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 (1) 556 FOOT - CASED 4" (2) 225 FOOT 4"
(3) 235 FOOT CASED 4" (4) 300 FOOT CASED 2"

10. The estimated amount of groundwater withdrawn each year ABOUT 300,000 GALLON EACH WELL

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 Margaret B. Kemp

Date 12-27-63

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

13986

FILED

At 4:31 O'Clock P

Dec 21 1961

[illegible]

County Clerk and [illegible] Recorder

Custer County Montana

By

File No.

DUPLICATE

T 5N R 52E

County CUSTER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

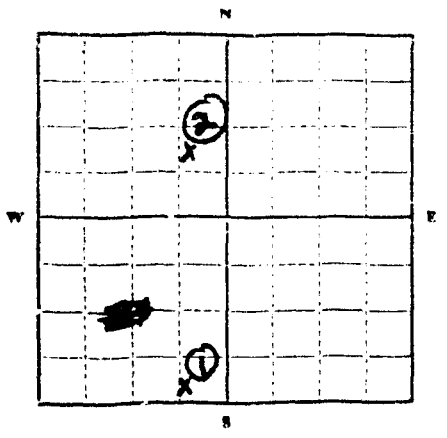
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. MARGARET B. KEMP of POWDERVILLE STAGE MILES CITY
(Name of Appropriator) (Address) (Town)

County of CUSTER State of MONTANA

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



¼ Sec. 24 T 5N R 52E

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 ① HOUSEHOLD ② LIVESTOCK

3. Date or approximate date of earliest beneficial use; and how continuous the use has been ① 1900 OR SO ② 1920 OR SO

4. The amount of groundwater claimed (in miner's inches or gallons per minute) ① 15 GPM ② 15 GPM

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 FLOWING WELLS

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

8. The depth of water table SURFACE — FLOWS

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 ① 250 FT - CASED 2" ② 250 FT CASED 2"

10. The estimated amount of groundwater withdrawn each year ABOUT 300,000 GALLONS EACH WELL

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 Margaret B. Kemp

Date 12-27-63

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

12185

FILED

It 4:30 O'Clock P M

Dec 27 1943

E. Gardner

County Clerk and Ex-Officio Recorder

Custer County, Montana

By _____ Deputy