File No.....

DUPLICATE

T. 5N R. 4 5E

County Custer

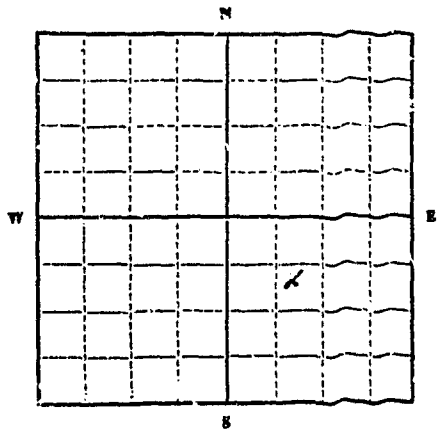
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Roy W. Watson (Name of Appropriator) of Box 754 Miles City (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 SE Sec. 11 T. 5N R. 4 SE

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
Live stock Well

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950
Continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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
no

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

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

8. The depth of water table 180 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
236 feet 3 inc Casing

10. The estimated amount of groundwater withdrawn each year 360000 Gallons

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

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

Signature of Owner Roy W Watson

Date Dec 31 196

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.

17050

11365 (?)

11365

FILED

at 2:10 P O'Clock P M

Dec. 31 1963

Clerk of Court

Jackson County, Montana

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

35268

County Custer

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 Hirsch Ranch Inc.

Address T.R. Stage
Miles City Mont.

Date well started 10-27-71

completed 5-3-72

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

Equipment used Rotary (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

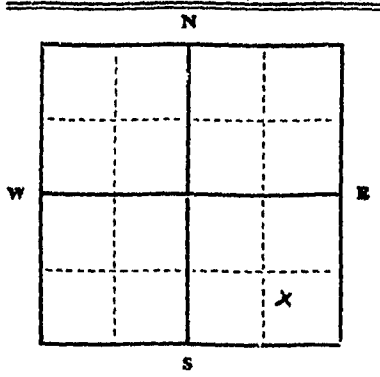
*Describe To serve 5 Stock Tanks

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).

For Administrator's Use
File 35268
Jan 16, 1973 8:45 A.M.
GW 1

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5⅝ to 510 ft	4" id	00	510	¼" holes	470'	500'
3⅞ from 510 ft to 670 ft	2½	510	670	¼" holes	630'	660'



S.W. ¼ ¼ Sec. 13
T. 5 N. N/S R. 42 E/W

Static water level 460 ft.*
Pumping water level 480 ft.*
at 10 gallons per minute,
measured 10 minutes after pumping began.
*Measured from ground level.
Well developed by Air
for 1 hours.
Power Electric Pump ½ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) Pressure system & point for Applicant
R.J.D.

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

Driller's Signature Lloyd J. Higgins

Driller's Address 731 No center
Miles City LICENSE NO. 12

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) 2920

From (Feet)	To (Feet)	
0	22	Sable
22	25	Coal
25	136	Shale
136	138	Rock
138	335	Shale
335	338	Rock
338	465	Shale
465	470	Rock
470	500	Sand
500	510	Shale
510	520	Shale
520	524	Rock
524	556	Shale
556	570	Rock
570	615	White Shale
615	617	Rock
617	630	Clay
630	660	Sand
660	670	Shale

670 ft Show exact depth of bottom

52,228

35268

FILED

At 8:45 o'clock A.M

January 26, 1973

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

By Fees $2.00

Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

35266

County Custer

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 Hirsch Ranch Inc

Address T.R. Stage

Miles City Montana

Date well started Unknown

completed Unknown

For Administrator's Use
File [redacted] 35266
Jan 16, 1973
GW 1 8:35 A.M.

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

Equipment used Rotary (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

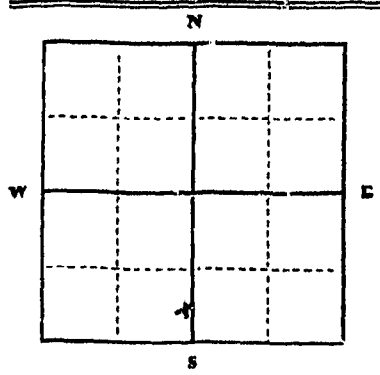
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe Livestock

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 5/8"	4"	0	540	Unknown		



SE ¼ SW ¼ Sec. 20
T. 5 N (N/S) R. 45 E (E/W)

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

Static water level 180 ft.*
Pumping water level 220 ft.*
at 5 gallons per minute,
measured minutes after pumping began. Unknown
*Measured from ground level.
Well developed by
for hours.
Power Pump jack Pump 24 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
No shutoff

Driller's Signature Driller Deceased

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) 2879

From (Feet)	To (Feet)	
		Log is Lost

540 Show exact depth of bottom

52,230

35266

FILED

At 8:35 O'Clock A.M

January 4 1973.

County Clerk and Ex Officio Recorder of
Custer County, Montana

By Fees 2.00

Deputy

File No. .....

T. 5 R. 45

DUPLICATE

County .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964
STATE ENGINEER

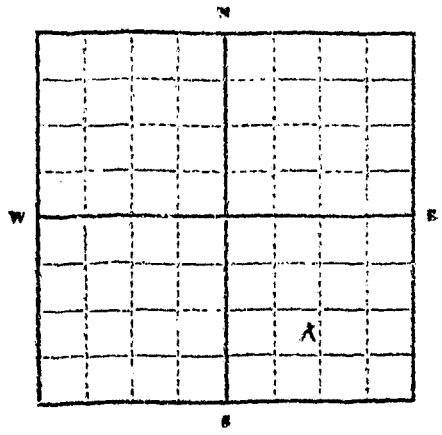
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Roy W. Watson (Name of Appropriator) of Box 254 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:



SW ¼ SE Sec. 20 T 5N R 45E

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 Well

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

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: ~~[illegible]~~

8. The depth of water table: 6 feet ~~4 feet [illegible]~~

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 4 feet Casing

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

11. The log of formations encountered in the drilling of each well if available: Not [illegible]

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 Roy W. Watson

Date Dec 31 1963

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

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

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

17052

11362

FILED

At 2:04 O'Clock P.M.

Dec. 31 1963

County Clerk and Ex-Officio Recorder

Custer County, Montana

By

GROUNDWATER INDEX

Page ____ of ____

County CUSTER Twp. 5N Rge. 46E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
19	HIRSCH RANCH CO. INC.	GW-3	35270	SURFACE WATER
20	HIRSCH RANCH INC.	GW-3	35271	SURFACE WATER
29	HIRSCH RANCH INC.	GW-3	35271	SAME AS SEC. #20
32	HIRSCH RANCH	GW-2	35269	

SURFACE WATER ON
GROUNDWATER FORM.

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

19

T. 5N R. 46E

County Custer

STATE OF MONTANA
RATOR OF GROUNDWATER CODE
ICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1963

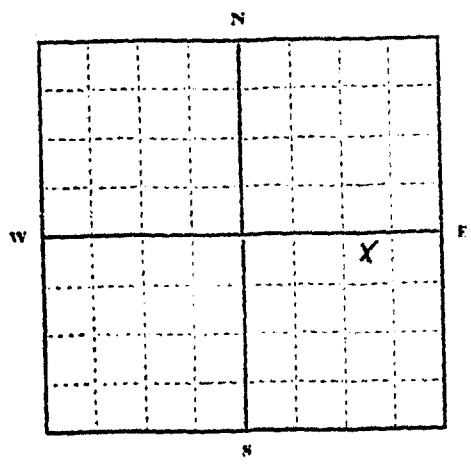
Owner Hirsch Ranch Inc Address T.R. Stage Miles City Montana

Contractor (if any) Unknown

Address of Contractor

Date Started Unknown Date Completed Unknown

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



NW ¼ NE Sec. 17 T. 5N R. 46E

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

Livestock Water
April 1 to Nov 1
Estimate 25 acre ft

Signature of Owner Hirsch Ranch, Inc by Ted Hirsch pres

Date 1-13-73

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.

Doc. No. 35270
Filed for record
this 16 day of Jan
A.D. 1973 at 8:55
o'clock A M.

52,226

35270

FILED

At 8:55 O'Clock A M

January 7th 1973

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

By Fees $2.00

Deputy

SURFACE WATER ON
GROUNDWATER FORM.

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

T. 5 N. R. 46 E.

County Custer

STATE OF MONTANA
STRATOR 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 1963

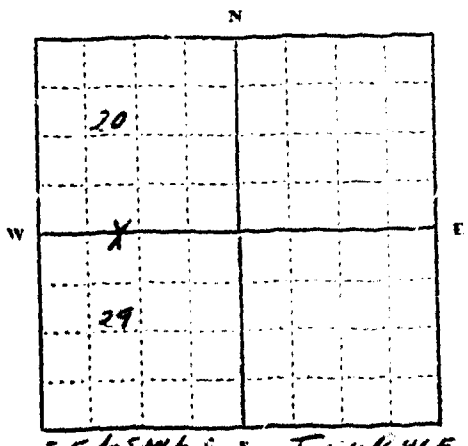
Owner Hirsch Ranch Inc. Address RR. Box Miles City Montana

Contractor (if any) Record

Address of Contractor

Date Started 1957 Date Completed 1963

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



SE¼SW¼ Sec 20 T 5 N R 46 E
NE¼NW¼ Sec. 29 T. 5 N R. 46 E

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

Irrigation & Stock Water
Estimate 50 acre ft.
From May 1 to Dec 1

Signature of Owner Hirsch Ranch Inc by Ted Hirsch pres

Date 1-17-73

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.

Doc. No. 35271
Filed for record
this 16th day of Jan
A. D. 19 73, at 9:00
o'clock A.M.

52,905

35271

FILED

At 9:00 O'Clock A. M

January 26 1972

[illegible]

County Clerk and Ex-Officio Recorder of

Cascade County, Montana

By Fees 3.00

Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

35269

County Custer

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 Hirsch Ranch Inc

Address T.R. Stage
Miles City Montana

Date well started 10-20-47

completed Unknown

For Administrator's Use
File 35269
Jan. 16, 1973
GW 1 8:50 A.M.

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

Equipment used Rotary (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

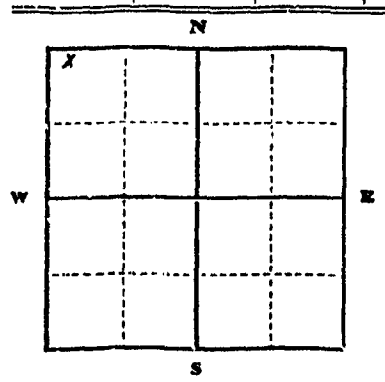
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe Stock Well

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 5/8	4"	0	221	Unknown		



NW ¼ NW ¼ Sec. 32
T. 5 (N) R. 46 (E)
S W

Static water level 40 ft.*
Pumping water level 60 ft.*
at 5 gallons per minute,
measured minutes after pumping began. Unknown
*Measured from ground level.
Well developed by
for hours.
Power Windmill Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
No Shutoff
B.J.R.

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

Driller's Signature L.W. Edlund

Driller's Address Miles City, Mont.

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) 2908

From (Feet)	To (Feet)	
0	12	Surface
12	38	Sand Rock
38	72	Blue Shale
72	76	Lime Stone
76	131	Blue Shale
131	134	Lime Stone
134	142	Blue Shale
142	154	Coal
154	180	Sandy Shale
180	218	Sand Rock
218	221	Blue Gray Shale

221 Show exact depth of bottom

52.232

35269

FILED

At 8:50 O'Clock A. M

January 26 1973

County Clerk and Ex-Officio Recorder of

Custer County, Montana

By Fees $2.00

Deputy

GROUNDWATER INDEX

Page ___ of ___

County CUSTER Twp. 5N Rge. 47E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
13	PERKINS, EUGENE E.	GW-4	10770	
16	DORR, L.C.	WATER WELL LOG	199745	
16	PERKINS, EUGENE E.	GW-4	10773	
25	PERKINS, EUGENE E.	GW-4	10772	
26	JOHNSON, GEORGE W.	GW-4	7525	
26	JOHNSON, GEORGE W.	GW-4	7526	
26	PERKINS, EUGENE E.	GW-4	10771	
28	SWOPE, JACK	GW-4	11033	
31	SWOPE, JACK	GW-4	11033	SAME AS SEC. #28
33	FORTUNE, VERNON	GW-4	11248	
36	JOHNSON, GEORGE W.	GW-4	7528	

File No.....

DUPLICATE

T. 5 R. 47

County. [illegible]

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

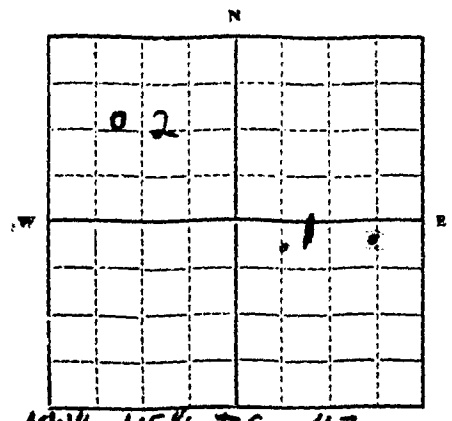
RECEIVED
DEC 20 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Eugene E. Perkins of [illegible] City
(Name of Appropriator) (Address) (Town)

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



2 - NW¼ NE¼ T5 - 47

1 - NW ¼ SE Sec 13 T5 R47

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 Cattle and [illegible], 2 cattle

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1 - 3-12-59
2 - 1-1-51

4. The amount of groundwater claimed (in miner's inches or galions per minute) 1 - 7 gal P.M. 2 - 6 gal 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
~~not~~ [illegible] 2 - cattle.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
1 artesian - 2 Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1 - 3-12-59 2 - 1-1-51

8. The depth of water table 1 - 700 ft 2 - 80'

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 - 2 inch [illegible], 700 ft. 2 - 4 in Casing

10. The estimated amount of groundwater withdrawn each ~~year~~ 1 - 200,000 gal 2 - 50,000 gal

11. The log of formations encountered in the drilling of each well if available 1 - 0-20 ft gravel 20-120 ft gravel - 120 ft-200 ft sand, 200 ft-440 gravel, 440-660 sand, 660-[illegible] sand
2 - 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 Eugene E. Perkins

Date 12-19-63

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.

10692

10740

FILED

at 9:50 O'Clock A.M.

Dec. 17 1963

J. E. Anderson

County Clerk and ex-Officio Recorder

Custer County, Montana

By

Deputy

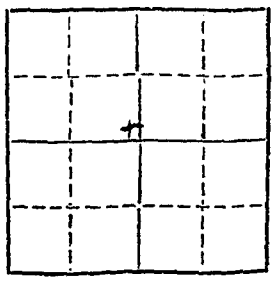
T. 5 N. R. 47 E.

County Custer

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
APR 11 1961
STATE ENGINEER

WATER WELL LOG



Owner: L. C. Dorr Address:

Driller: Ira C. Sand Address: Terry, Montana

Date Started: April 3, 1961 Date Completed: April 6, 1961

Location: Sec. 16 T. 5 R. 47 ¼ sec. SE 4 of the NW 4

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

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

Casing: 0 ft. to 183 ft. Type: steel Size: 4 inch

Casing: ft. to ft. Type: Size:

Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. 175 to ft. 187 Ft. to ft.

Type of screen or perforations: 5/16 in holes cut three in. apart with cutting torch

Static Water level, for non-flowing well: 140 to 180 feet at 9 gpm feet.

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

Pumping water level 178 feet at gal. per min.

How tested: with bailer

Length of test: for one hour

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	2	Sandy loam
2	6	Black Gumbo
6	17	Sand Rock
17	19	Cavityous formation
19	42	Gumbo
42	45	Rock
45	53	Gumbo
53	62	Coal
62	136	Gumbo
136	142	Seep of water
142	176	Gumbo
176	186	Water sandy 4gpm
186	188	Gumbo total depth

199745

FILED

at 10:00 A.M. O'Clock A

April 10 1967

H E Anderson

County Clerk and Ex-Officio Recorder

Custer County, Montana

By Ruth Kast

Deputy

File No. .....

T. 5 N. R. 47 E

DUPLICATE

County Carter

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

RECEIVED
DEC 20 1963
STATE ENGINEER

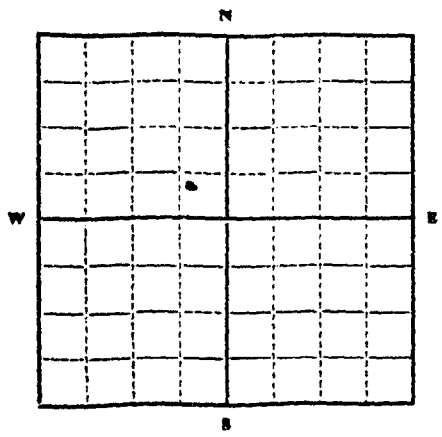
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Eugene E. Perkins of Ingomar Montana (Address) (Town)
(Name of Appropriator)

County of Carter State of Montana

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



SE 1/4 NW Sec. 16 T5N R47E

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
Cattle

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 4-3-61

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 9 gal 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
N/A

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 4-3-61 1963

8. The depth of water table 178

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. Yard [illegible]

10. The estimated amount of groundwater withdrawn each year 210,000 gal.

11. The log of formations encountered in the drilling of each well if available 0-2 [illegible], 2-6 [illegible], 6-17 [illegible], 17-19 [illegible], 19-42 [illegible], 42-45 [illegible], 45-58 [illegible], 58-62 [illegible], 62-136 [illegible], 136-142 [illegible], 142-176 [illegible], 176-186 [illegible], 186-188 [illegible]

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 Eugene E. Perkins

Date Dec-12-63

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.

10694

73

FILED

at 10:05 O'Clock A. M.

Dec 17 1963

H. E. Anderson

County Clerk and Ex-Officio Recorder

Custer County, Montana

By _____ Deputy

25

File No.

DUPLICATE

T. 5N R. 47E

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 20 1963
STATE ENGINEER

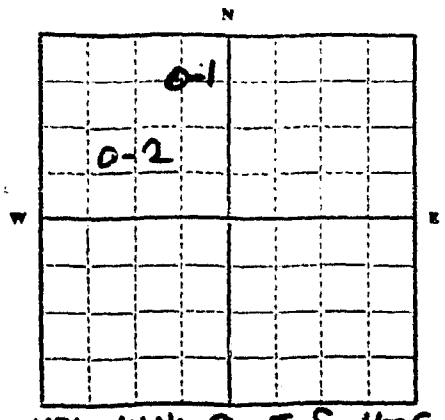
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Eugene E. Perkins (Name of Appropriator) of Tongue River Stge, 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:



1-NE¼ NW¼ 9 25-5N 47E
2-SE ¼ NW¼ Sec. 25 T. 5N R. 47E

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-Cattle water
2-Cattle water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1-1-1-50
2-1-1-50

4. The amount of groundwater claimed (in miner's inches or gallons per minute) ~~[illegible]~~ 1-4 gal
2-7 gal

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
1-Cattle use only
2- " " " "

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
1-Artesian
2-Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1-1-1-50
2-1-1-50

8. The depth of water table 1-500' 2-100'

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- 3" casing 500'
2 4" casing 100'

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

11. The log of formations encountered in the drilling of each well if available 1- no log
2- no log.

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 Eugene E. Perkins

Date Dec 12-63

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.

10693(a)

2772

FILED

at 10:00 O'Clock A.M.

Dec 17 1965

W.E. Anderson

County Clerk and Ex-Officio Recorder of

Custer County, Montana

By _____ Deputy

26

File No..... T....5.....R....47.....

DUPLICATE County....Custer.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

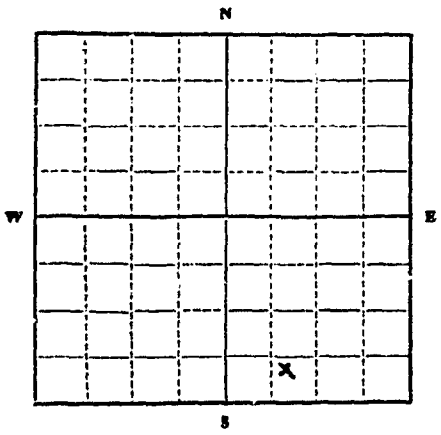
RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George W. Johnson ..... of Tongue River 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:



SW ¼SE¼ . Sec26.... T.5..... R47...

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 purposes and irrigation of trees and grasses.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....June 1938. Use has been continuous.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Land irrigated 2 acres in Sec. 26-5-47.
Owner: George W. Johnson

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....An electrical driven centrifugal pump. Location Sec. 26-5-47 S.E. ¼

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...An old artesian well originally completed in 1920 and cleaned out and recased in July 1952.

8. The depth of water table [redacted] 3 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, 42 feet of 4 inch casing through gravel. 2 inch casing 375 feet deep.

10. The estimated amount of groundwater withdrawn each year.1,576,800 gallons

11. The log of formations encountered in the drilling of each well if available...0-35 feet, gumbo; 35-40 feet, gravel; 40-85 feet, gumbo; 85-125 feet, dry sand; 125-335 feet, gumbo; 335-375 feet, 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 FEB 26 1973

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

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

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

3755

7525

1:45 PM
Feb 26 63
K E Anderson
Rock Road

26

File No.....

T. 5 R. 47

DUPLICATE

County Custer

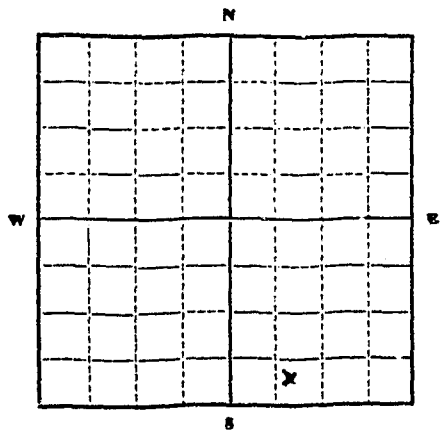
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. 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:



SW ¼SE¼ Sec. 26 T. 5 R. 47

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 use and irrigation of lawn and trees.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been October 15, 1935
Use has been continuos.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 500 gallons per day continous
2000 gallons per day in irrigation season (20 days varies)

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
One acre lawn and trees. Owner, George W. Johnson
Sec. 26-5-47 SW ¼ SE¼

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater started October 8, 1953 completed October 12, 1953

8. The depth of water table [redacted] 3 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 60' of 4" casing, 2" casing
375 feet deep

10. The estimated amount of groundwater withdrawn each year 212,500 gallons

11. The log of formations encountered in the drilling of each well if available 0-35' gumbo, 35-40' gravel, 40-85' gumbo, 85-125' dry sand, 125-335' gumbo, 335-375' 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 FEB 26 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.

3754

7526

1:45 P
Sept 26 62
H. E. Dickson

Back Back

26

File No.....

DUPLICATE

T. 5N R. 47E

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 20 1963
STATE ENGINEER

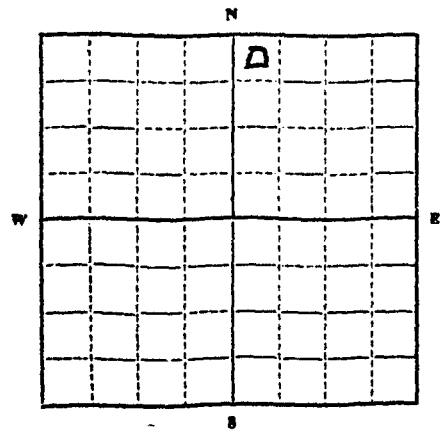
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Eugene E Perkins (Name of Appropriator) of Tongue River Stge, Miles City (Address) (Town)

County of Custer State of Mont.

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



NW 1/4 NE 1/4 Sec. 26 T. 5N R. 47E.

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 Cattle

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1-1-60

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 399 L 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 Cattle

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1-1-60

8. The depth of water table 600'

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" casing 600'

10. The estimated amount of groundwater withdrawn each year ~~4g~~ 180,000 gal

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 Eugene E. Perkins

Date Dec 12-63

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.

10693

10771

FILED

at 9:55 O'Clock a.

Dec 17 1963

H.E. Anderson

County Clerk and ex-officio Recorder

Custer County, Colorado

Deputy

File No.....

T. 5N R. 47E

DUPLICATE

County Custer

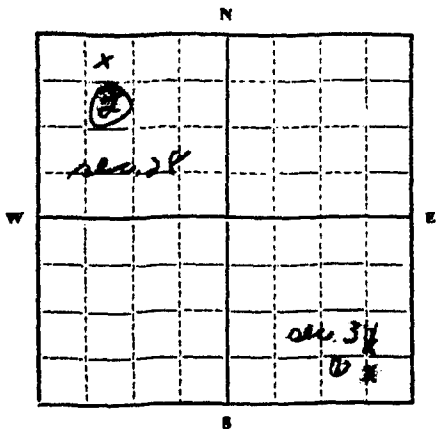
RECEIVED DEC STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jack Swope (Name of Appropriator) of Rogue River Stop (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:



.....¼..... Sec..... T. 5N. R. 47E

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) Stockwater (2) Stockwater

3. Date or approximate date of earliest beneficial use, and how continuous the use has been (1) 1956 Continuous (2) drilled

4. The amount of groundwater claimed (in miner's inches or gallons per minute) (1) 5 gal per min (2) 10

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) ~~a~~ flowing (2) windmill and cylinder

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater (1) 1956 (2) May ~~June~~ 1, 1961 - completed in a week.

8. The depth of water table 90 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) 450 ft. deep, 40 ft. 4 in casing, 37.5 ft 2 in casing (2) pump well, hole 5 5/8, casing 4 in. 255 ft. deep

10. The estimated amount of groundwater withdrawn each year (1) 2,628,000 (2) ~~60,000 gal~~ 600,000 gal

11. The log of formations encountered in the drilling of each well if available (1) not available (2) 15 ft. rock gravel, 52' yellow clay, 83' blue clay, 89' coal, 110 clay, 112 rock, 122 clay, 125 coal, 185 clay, 190 coal, 230 clay, 255 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.....

Signature of Owner Jack Swope

Date Dec 7

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.

13991

0.53

FILED

It 4:48 O'Clock P.

Dec. 27 1963

H. E. Anderson

County Clerk and ex-officio Recorder

Custer County, Montana

33

File No. .....

DUPLICATE

T. 5 N. R. 47 E.

County Custer

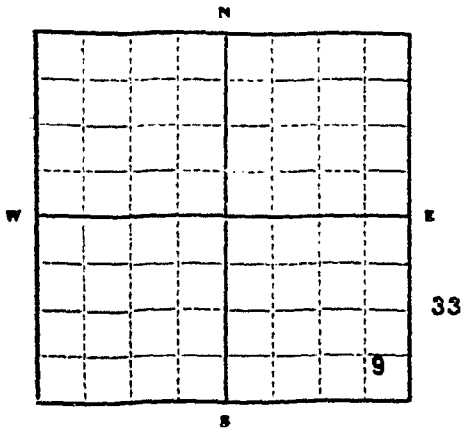
RECEIVED
JAN 2 1964
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Vernon Fortune (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, 1962, as follows:



.....¼..... Sec..... T 5N R 47E

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
5-62 Continuous since that date

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

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
#9 Unknown

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

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

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 Vernon Fortune

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.

16935

1248

FILED

At 11:10 O'Clock A.

Dec. 31 1963

J. E. Anderson

County Clerk and Ex-Officio Recorder

Custer County, Montana

By _____

-36

File No.....

T. 5 R. 47

DUPLICATE

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

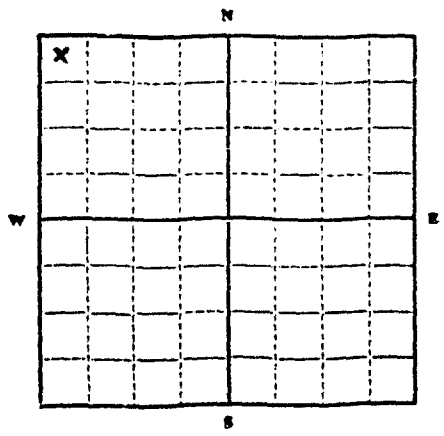
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. 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 NE¼ Sec. 36 T. 5 R. 47

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 of livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 20, 1953 Continuous use during grazing season

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5000 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 Electrical driven pump jack using 60' of 1¼" pipe Sec. 36-5-47 NW¼NE¼

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater started June 18, 1953 completed June 20, 1953

8. The depth of water table 30 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater water well 60' of 4" casing, 190' of 3" casing

10. The estimated amount of groundwater withdrawn each year 900,000 gallons

11. The log of formations encountered in the drilling of each well if available 0-30' gumbo, 30-40' gravel, 40-220' gumbo, 220-240' water sand, 240-250' gumbo.

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 Feb 26

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.

3752

7528

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~~

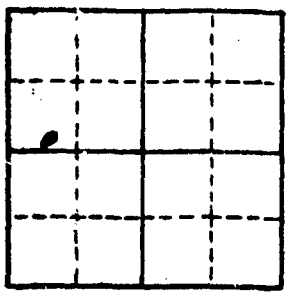
Form No. 18
8-60

T. 5 R. 48

County Custer

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log



Owner Frank & 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 (Churn, drill, rotary, other)

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

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

25555

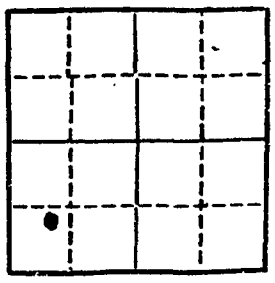
T. 5 R. 48

County Custer

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

WATER WELL LOG



Owner Frank 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: 30 ft. to ft. Type Steel Size 6

Casing: 134 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 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

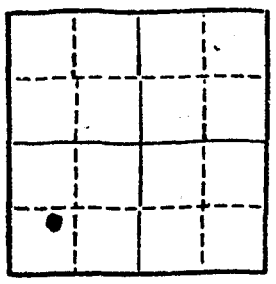
(over)

T. 5 R. 48

County Custer

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Frank J. 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: 30 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 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)

GW

File No. .....

DUPLICATE

T. 5 S R 4 E

County Custer

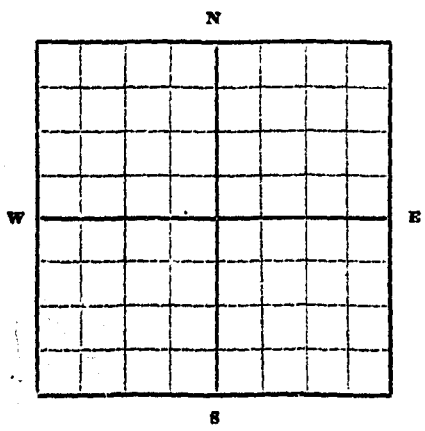
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 2 1962 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Frank S. & Judith Damm, 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:



.....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 domestic & livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept 10, 1943 and continuous use

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 Wind Mills & 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 no 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 no 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 Yes as far as 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 Damm

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.

1011

2581

FILED

At 4:50 O'Clock P.M.

Dec 29 1861

J.B. Anderson

County Clerk and Ex-Officio Recorder

Custer County, Montana

By _____

Depu

File No.....

DUPLICATE

T. 5 R. 48 E

County.....

RECEIVED DEC STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

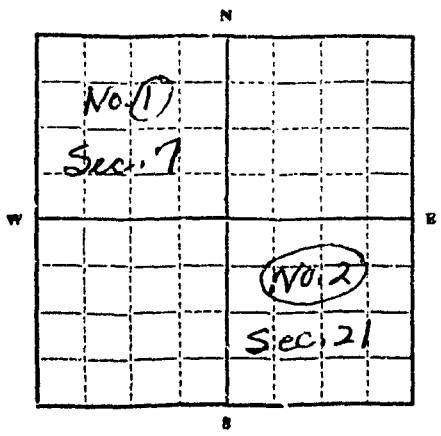
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jack Swope (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) 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) 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) 105,200 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 quicksand, 400-500 watersand, 500-600 quicksand, 600-760 sand (2) 5-10 gravel, 10-38 shale, 38-90 blue clay, 90-95 coal, 95-155 shale, 155-159 rock, 159-275 red 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 [signature]

Date Dec 22, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the 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. 5 N. R. 4 E.

County Custer

DUPLICATE

LOG

Bills.....
Buttons.....
Cards.....
Dockets.....
Dickert.....

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.....)

gravel
rock
sand
clay
115 rock
clay
sand
rock
310 clay
rock
clay
rock
85 sand
455

Show exact depth of bottom.

Owner Jack Swapp Address Tongue River

Driller Floyd Higgins Address Miles City

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

Date we' tarted..... 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	From (Feet)	To (Feet)
5	2"	0	370			
~~4"~~				3/8	375	455
4"	3½"	370	455'	holes		

N
W x E
S

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 sack Cement.

.....¼..... Sec. 7 T. 5 N. R. 4 E.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

.....(Continue on reverse side)

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

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

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

12
Driller's License Number

Floyd Higgins
Driller's Signature

41,891

22656

FILED

At 10:45 O'Clock A M

April 21 1967

T. J. Sandborn

County Clerk and Ex-Officio Recorder of

Custer County, Montana

By _____

Deputy

File No.....

DUPLICATE

T. 5 N R. 48 E

County Custer

17

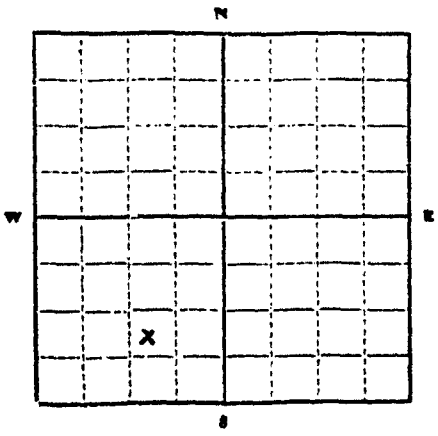
RECEIVED DEC STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jack Dwyer (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:



SE ¼ SW Sec. 17 T. 5 N R. 48 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 stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 19, 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 0-60 ft. dry sand, 60-70 ft. coal, 70-180 ft. gumbo, 180-260 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 Dec 27

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

11032

FILED

at 4:46 o'Clock P.

Dec. 27 1963

H. E. Anderson

County Clerk and ex-officio Recorder

Custer County, Montana

By _____ Deputy

File No.....

DUPLICATE

T. 5N R. 48E

County Custer

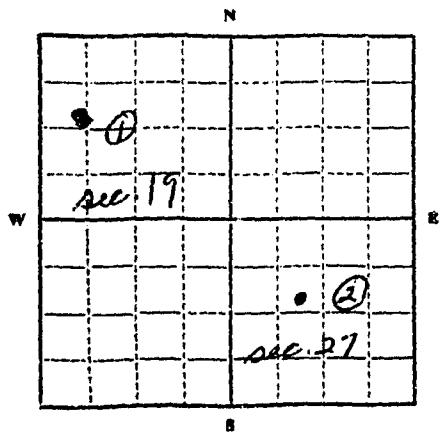
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED DEC STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jack Swope (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, 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) 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 22, 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 submersible pump
2 submersible 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. submersible pump, 205 ft. deep 207 ft. 4 in. casing, 147 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 1 0-20 gravel, 20-42 clay, 42-48 rock, 48-125 clay, 125-130 coal, 130-180 clay, 180-205 water sand. 2 0-12 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 Swope

Date Dec 27, 1963

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

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

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

13989

1031

FILED

at 4:44 O'Clock P.M.

Dec. 27 1963

J. E. Anderson

County Clerk and ex-officio Recorder

Custer County, Montana

By _____ Deputy

File No.....

DUPLICATE

T. 5 R. 48 19

County Custer

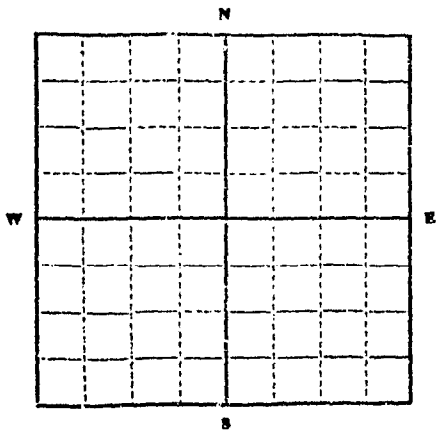
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Norman 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 11/23/48 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 350 ft deep 350 ft casing 100 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 ft topsoil 15-250 ft gravel 250-350 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

1134

FILED

At 1:36 O'Clock P M

Dec 30 1963

N. E. Anderson

County Clerk and Ex-Officio Recorder of

Custer County, Montana

By [illegible] Deputy

File No.....

DUPLICATE

T. 5 R. 48

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

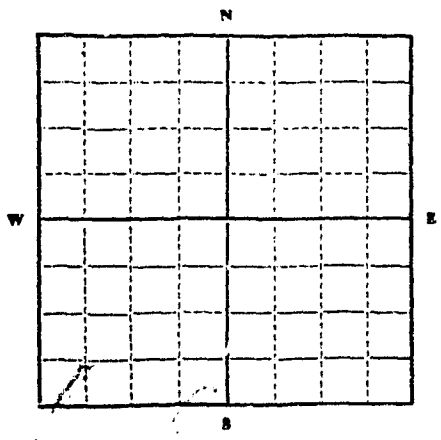
RECEIVED DEC. STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I Norman Woodard 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 ¼ 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 2 ft 4" casing 8 1/2 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 152-216 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

11133

FILED

At 1:35 O'Clock P.M.

Dec 30 1963

County Clerk and Ex-Officio Recorder

Custer County, Montana

By [illegible]

File No.....

DUPLICATE

T. 5 R. 48

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

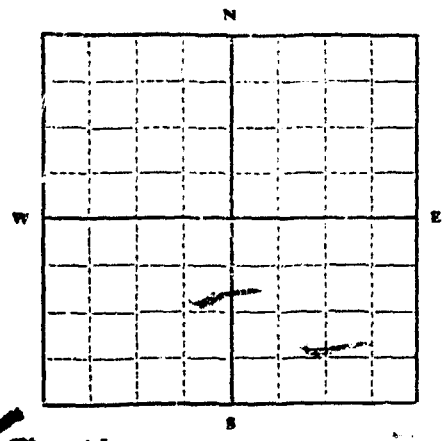
RECEIVED DEC STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Norman Woodard 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) 5 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 220 ft deep 22 ft 6" casing 220 ft 4" 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 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.

14071

1128

FILED

At 1:30 O'Clock

Dec 30 1963

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

By _____ Deputy

File No.....

T. 5 R. 48

DUPLICATE

County Custer

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

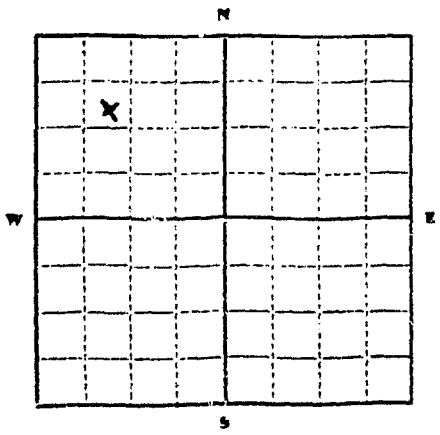
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. 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 NW¼ 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 FEB 26 [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

7587

GW 2

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

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

DUPLICATE APR 24 1967 County Custer

Bill ..... McDermott ..... STATE OF MONTANA
Buy ..... McKay ..... ADMINISTRATOR OF GROUNDWATER CODE
Copy ..... Morton ..... OFFICE OF STATE ENGINEER
Darrington ..... Sullivan .....
Dicked .....

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

sand
gravel
coal
shale
Rock
shale
sand
shale
coal
sand
~~clay~~ - Bottom

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Jack Swope Address Tongue River

Driller Floyd Higgins Address White City

Date of Notice of Appropriation of Groundwater .....

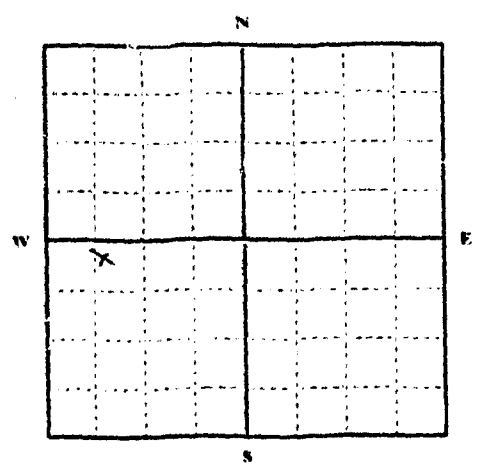
Date well started ..... Date Completed .....

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" ID	0	275	3/8 helix	180	275



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

Static Water Level for non-flowing Well 180' 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) .....

Show exact depth of bottom.

14
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 10:40 O'Clock A.M.

April 21 1967

[illegible]

County Clerk and Ex-Officio Recorder of

Custer County, Montana

By _____

Deputy