

Log of Well

[illegible]

Micro # 14708

217382

File No.

T. 24 N R. 32 E

DUPLICATE

County Phillips

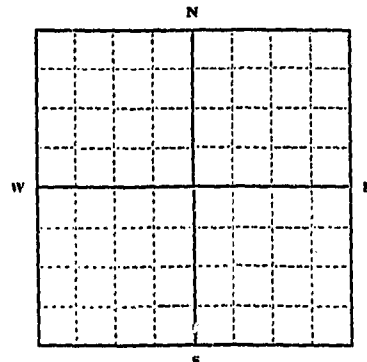
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 27 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Virginia L. Koss, of Malta
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE
SE 1/4 NE Sec. 35 T. 24 R. 32

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 and garden irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1900--practically continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10-12 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
Two acres, NE-SE-NE Sec. 35 T24 R 32
Virginia L. Koss
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 1900
8. The depth of water table Approx. 15 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 10 ft. across and 20 ft. deep
10. The estimated amount of groundwater withdrawn each year From 1 to 2 million gallons
11. The log of formations encountered in the drilling of each well if available. (Not available)
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner /s/ Virginia L. KossDate 12/31/63

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

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

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

33970

Miss 16045
237073.

Phillips Co.

Filed 12-31-63.

at 11:16 A.M.

Fee \$ 2.00.

R. V. Maloney

Clerk & Recorder.

GW.

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

File No. _____

T. 24^N R. 32^E

DUPLICATE

County Phillips

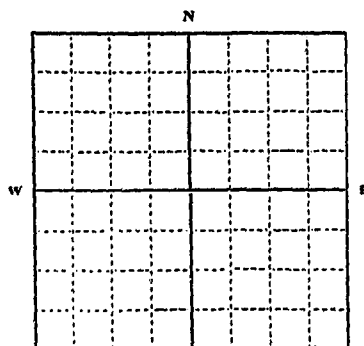
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 27 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Virginia L. Koss, of Malta
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE NW 1/4 Sec. 36 T. 24 R. 32

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

2. The beneficial use on which the claim is based Domestic and livestock and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been #1 1916 #2 Approx. 1920
4. The amount of groundwater claimed (in miner's inches or gallons per minute) #1 6 gal. #2 5 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 Two acres Sec. 36 T 24 R 32
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal #1 Windmill #2 Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1916 and 1920
8. The depth of water table #1 sixteen ft. #2 20 -30 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 5x16 ft. #2 2 x 24 ft.
10. The estimated amount of groundwater withdrawn each year 500,000 gal. each
11. The log of formations encountered in the drilling of each well if available (Not available)
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner /s/ Virginia L. Koss

Date 12/31/63

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

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

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

3 397

Miss 16046

237074

Phillips Co.

Filed 12-31-63.

at 11:17 A.M.

Fee \$ 2.00.

R. V. Maloney

Clerk & Recorder.

GROUNDWATER INDEX

Page 1 of 1

County Phillips Twp. 24 n Rge. 33 E

[illegible]

File No. _____

T. 24^N R. 33^E

DUPLICATE

County Phillips

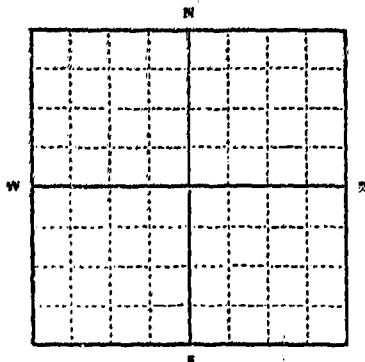
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Edwin Koss, of Regina,
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 20, T. 24, R. 31

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1961 Continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 400 gals 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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 1961

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 280 deep cased & galvanized steel pipe

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

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

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

Signature of Owner S/S Edwin Koss

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.

2980

Misc 16109

237137

Phillips Co.

Filed 12-31-63

at 1:15 P.M.

Fee \$ 2.00

R. J. Maloney
Clerk & Recorder.

File No. _____

T 24^N R 33^E

DUPLICATE

County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

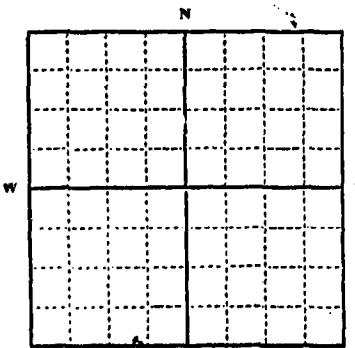
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Edwin Koss, of Regina (Town)
(Name of Appropriator) (Address)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW 1/4 Sec 24 T. 24 R. 33

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

2. The beneficial use on which the claim is based Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 1961 Continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gals 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 See Notes pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 1961
8. The depth of water table Not certain
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 deep two inch casing steel pipe
10. The estimated amount of groundwater withdrawn each year 6000.000
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 S/S Edwin KossDate 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.

2977

Rec. 16108
16108

237136

Phillips Co.
Filed 12-31-63
at 11:14 P.M.
Fee \$2.00

R. V. Maloney
Clerk & Recorder.

GROUNDWATER INDEX

Page 1 of 1

County Phillips Twp. 23N Rge. 24E

[illegible]

File No. MI-R-5266 - Sippary Ann WellT 23 N. R 24 E.

DUPLICATE

County Phillips

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elevation was found by NA)Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1963

(Under Chapter 237, Montana Session Laws, 1961)

See Remarks

MONTANA WATER RESOURCES BOARD
RECEIVED

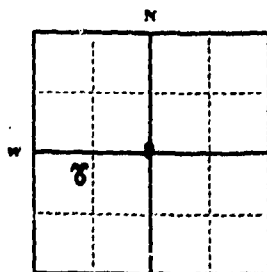
MAR 17 1970

Owner Bureau of Land Management Address Na'ta, Montana 59538Driller Farmers Union Address Laurel, MontanaDate of Notice of appropriation of groundwater NADate well started May 4, 1969 Date completed October 13, 1969Type of well Drilled Equipment used Rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Doc. No. 251021
Filed for record
this 12 day of MARCH
A. D. 19 70 at 8:10
o'clock AM.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind and Size	From (Feet)	To (Feet)
8"	4 1/2" - 10.5'	0	1853	3/8" hole	1534	1568
					1572	1590
					1646	1694



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well 70 psiPumping Water Level NA _____ feet

at _____ gal. per minute.

Discharge in gal. per min. of flowing well 36 gpm

How Tested _____

Length of Test _____

Remarks: (Gravel packing, cementing, pack-
ing type of shutoff). Shoe at 1853'Steel collar at 1820', casingcemented 1309' to 1853', casinghead flange at surface.

(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).

Remarks - This is a drilled oil well (Federal Well 12x-9)

and converted to a water well. Electrical logs available

from U. S. Geological Survey, Great Falls, Montana.

1853'

Show exact depth of bottom.

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

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

~~XXXXXXXXXXXXXXXXXXXX~~

/s/ Dante Solari

District Manager

46254

251021
16727
MAY 16 1970

STATE OF MONTANA
ADMINISTRATION OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1968

By (Signature) State Engineer (Name) (Title)

County of Phillips
Not for Record this... day
of... May A. D. 1970
Recorded in Book...
County Recorder

By...
Fee \$2.00

State of Montana
Office of State Engineer
Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1968
This notice is given to all persons having an interest in the water rights of the State of Montana, to advise them that the State Engineer has received and approved the application for the development of a well for the purpose of appropriating groundwater for use in the State of Montana. The well is located in the County of Phillips, State of Montana, and is to be used for the purpose of appropriating groundwater for use in the State of Montana. The well is to be developed in accordance with the provisions of the Groundwater Code of the State of Montana, and the State Engineer has approved the application for the development of the well. The well is to be developed in accordance with the provisions of the Groundwater Code of the State of Montana, and the State Engineer has approved the application for the development of the well.

Well No.	Location	Depth	Use	Owner
1001	Phillips	100	Domestic	John Doe
1002	Phillips	150	Domestic	John Doe
1003	Phillips	200	Domestic	John Doe
1004	Phillips	250	Domestic	John Doe
1005	Phillips	300	Domestic	John Doe

State of Montana
Office of State Engineer
Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1968
This notice is given to all persons having an interest in the water rights of the State of Montana, to advise them that the State Engineer has received and approved the application for the development of a well for the purpose of appropriating groundwater for use in the State of Montana. The well is located in the County of Phillips, State of Montana, and is to be used for the purpose of appropriating groundwater for use in the State of Montana. The well is to be developed in accordance with the provisions of the Groundwater Code of the State of Montana, and the State Engineer has approved the application for the development of the well. The well is to be developed in accordance with the provisions of the Groundwater Code of the State of Montana, and the State Engineer has approved the application for the development of the well.

Record this... day
Record this... day
A. D. 1970
and duly Recorded in Book...
and duly Recorded in Book...

GROUNDWATER INDEX

Page 1 of 1

County Phillips Twp. 23 N Rge. 25 E

[illegible]

GWS

File No.

T. 23 NR. 25 E.

DUPLICATE

County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1957

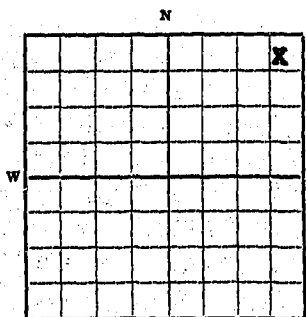
Owner Laxy JD Cattle Co Address Zortman, Montana

Contractor (if any)

Address of Contractor

Date Started 1957 Date Completed 1963

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



NENE 1/4 Sec. 25 T. 23 R. 25

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

10 gpm, continuous use

Signature of Owner

Date December 26th, 1963

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

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

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

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

Memo # 15731
15731

226702

Filed: Dec 30, 1963
At: 2:00 P.M.
Per # 2, 10

Rosalind Maloney
Clerk + Recorder

GW 2

File No.

DUPLICATE

T. 23N R 25E

County PHILLIPS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well ENGINEER
(Under Chapter 237, Montana Session Laws, 1961)

Owner Bureau Land Management Malters

Driller William Water Well Drilling Blendine

Date of Notice of Appropriation of Groundwater

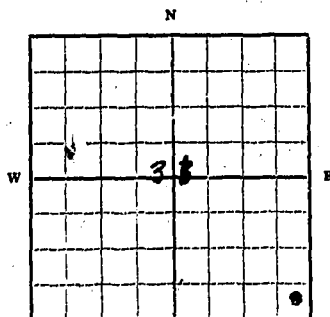
Date well started 6-20-62 Date Completed 6-27-62

Type of well Drilled Equipment Used Rotary
(dug, driven, bored or (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 encountered 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.

0-2' unconsolidated rock
2-9' black shale above sea level 2200
9-13' gravel - small amount water
13-68' med. hard shale w/ white streaks
68-80' black shale - sticky
80-31 1/2' Hard shale
31 1/2-312' Hard rock
312-324' shale
324-326' unconsolidated rock
326-354' black shale
354-367' firm sand w/ hard stringers
367-371' porous sandstone
371-374' Hard shale
374-394' med. hard sand & coal @ 380
394-397' Hard sand rock
397-410' med. hard sand - 9 gal @ 312
410-415' Hard sand shale w/ streaks hard sand
415-429' med. hard sandstone
429-545' Hard blue shale w/ streaks grey & brown sandstone
545-550' Brown shale trace coal @ 545

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4 1/2 O.D. - 11 #	- 1	416	5" hole	360	371
					390	416



SE SE
52 1/4 Sec. 31 T23N R25E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

550'
Show exact depth of bottom.

Static Water Level for non-flowing Well feet.

Shut-in Pressure for Flowing Well 12 #

Pumping Water Level feet at gal. per minute.

Discharge in gal. per min. of flowing well 9

How Tested Length of Test

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)

Bentonite around Casing + Cemented to 15'

61
Driller's License Number

Elton Adkins
Driller's Signature

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

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

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

2085

misc # 15279

232451

State of Montana,
County of Phillips,

Filed for Record this 12th day
of Sept. A. D. 1962 P.M.
o'clock PM, and duly Recorded in book

Page..... of.....
Rosalind M. Maloney, Recorder
By.....
Fee \$ 2.00
Return:.....

File No.

T. 23 N. R. 25 E.

DUPLICATE

County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

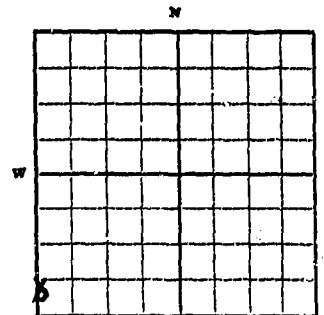
Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

Rock Creek Well
Project No. M-2-232

RECEIVED
MAR 19 1962

STATE ENGINEER
Malta

1. I, Bureau of Land Management of _____
(Name of Appropriator) (Address) (Town)
County of Phillips, 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 stockwater
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 20 gallons per minute
4. The annual period (inclusive dates) of intended use April to December
5. The probable or intended date of first beneficial use May 1962
6. The probable or intended date of commencement and completion of the well* or wells* May 1962
7. The location, type, size and depth of well or wells contemplated SW 1/4 Sec. 32, T. 23 N., R. 25 E. - flowing - 4" - 850'
8. The probable or estimated depth of the water table or artesian aquifer 650'
9. Name, address and license number of the driller engaged Adkison Water Well Drilling, Glendive, Montana
10. Give such other similar information as may be useful in carrying out the policy of this act.



SW 1/4 Sec. 32, T. 23 N. R. 25 E.

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

Signature of Appropriator /s/ Chester E. Conard
Chester E. Conard, Acting District
Date February 20, 1962 Manager

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

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.

1752

Misc # 15219

231151

State of Montana, }
County of Phillips, } ss.

Filed for Record this 15 day
of March A. D. 1920
o'clock P. M. and duly Recorded in book

Page of

Rosaline W. Maloney

By

Fec 2.00

Return:

GROUNDWATER INDEX

Page 1 of 1

County Phillips Twp. 23 N Rge. 28 E

[illegible]

File No. _____

DUPLICATE

T. 23rd R. 28thCounty Phillips

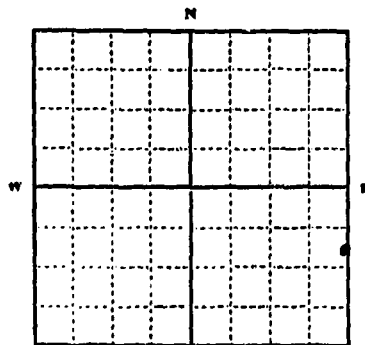
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Donna Cox of Regina
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE $\frac{1}{4}$ Sec. 27, 23rd R. 28th

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

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

House Use

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

1929 10 years

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

About 3 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.

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.

July 1929

8. The depth of water table.

15 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.

dry Rock lined 4' across with concrete top

10. The estimated amount of groundwater withdrawn each year.

No estimate

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

Glumbo soil

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 Donna Cox

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.

29,99

15899
Misc #15899
236927

Filed Dec. 31, 1963
at 8:58 A.M.

Fee \$ 2.00

R. V. Maloney
Clerk & Recorder

File No.

T. 23 N. R. 28 E. M.M.

DUPLICATE

County PHILLIPS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

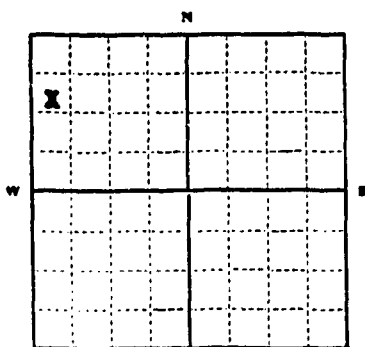
RECEIVED
DEC 13 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. REX D. ULRICH, of REGINA
(Name of Appropriator) (Address) (Town)
County of PHILLIPS State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 4

Sec. 30 T23N R. 23E

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 USE.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Used continuously for livestock since 1917.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) ten gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not used for irrigation.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump is used to withdraw water.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater well commenced and completed in 1917.
8. The depth of water table Twenty Eight feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Cement curbing, 4" x 4", being 2 feet above ground and 28 feet into the ground. Curbing covered with platform on which is located electric pump used to withdraw water from well.
10. The estimated amount of groundwater withdrawn each year Approximately 900,000 gallons per year.
11. The log of formations encountered in the drilling of each well if available Dirt, clay, gravel, sand and 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

Rex D. Ulrich

Date December 11, 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.

1945

Min 15506

236298

State of Montana, }
County of Phillips, } ss.
Filed for Record this 12 day
of Dec A. D. 1903 8.00
at 4 P.M. and duly Recorded in book
Page of
Rosalene W. Maloney Recorder
By
Fee 2.00
Returns

File No. _____

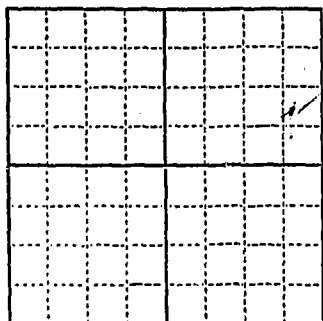
DUPLICATE

T. 23^N R. 28^ECounty PhillipsRECEIVED
JAN 10 1964STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Wm. Coe, of Regina
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE 1/4 Sec. 35 T. 23 R. 28

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

2. The beneficial use on which the claim is based home use3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1916 used about 10 years4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 3 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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal well? none
drawn by bucket

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. 15 ft9. 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. wood casing10. The estimated amount of groundwater withdrawn each year. no record11. The log of formations encountered in the drilling of each well if available. limbs12. 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. noneSignature of Owner Wm. CoeDate 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. 29200

Misc. 15800

236928

Filed Dec. 31, 1963.

at 8:59 A.M.

Fee \$ 2.00.

R. V. Maloney
Clerk & Recorder.

GV

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

File No. _____

T 23^N R 18^E

DUPLICATE

County Phillips

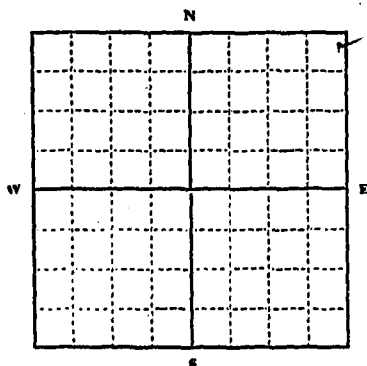
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Wrie Co of Regina
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NE 1/4 Sec. 35 T. 23 R. 18

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. Kanal use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. not known
4. The amount of groundwater claimed (in miner's inches or gallons per minute). not known
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. well was drilled and water withdrawn with pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. about June 1950
8. The depth of water table. 30'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. none
10. The estimated amount of groundwater withdrawn each year. not used
11. The log of formations encountered in the drilling of each well if available. loose soil
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. Wrie Co

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.

29201

Disc # 15901
236929

Filed Dec. 31, 1963.

At 1:00 P. M.

Fee \$ 2.00

R. V. Maloney
Clerk & Recorder.

GROUNDWATER INDEX

Page 1 of 1

County Phillips Twp. 23.0 Rge. 29 e

[illegible]

File No. _____

T. 23 N. R. 29 E
Phillips
County _____

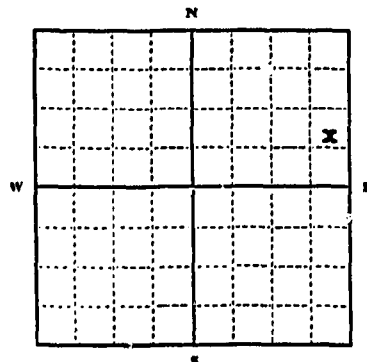
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
DEC 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Archib. Carberry, of Malta
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

-SE 1/4 NE Sec. 15 T. 23 R. 29

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 Stock3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1957 continuous4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric pump7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 31, 1957-Sept. 16, 19578. The depth of water table 40 ft.9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 in. iron casing, 730 ft. deep10. The estimated amount of groundwater withdrawn each year 1,000,000 gallons11. The log of formations encountered in the drilling of each well if available 0-17 Top soil, 17-19 Gravel
19-40 Clay, 40-517 Shale, 517-518 Rock 8 in., 518-528 Sand & shale,
528-529 Rock 10 in., 529-535 Sandstone & gravel, 535-536 Rock 6 in., 536-55
Sandstone and shale, 555-557 Rock 28 in., 557-568 Shale and sand, 568-572
gravel, 572-610 shale, 610-611 Rock 12 in., 611-655 Shale, 655-68312. 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 11 cont. Sandstone and gravel, 688-689
Rock 6 in. 689-722 Sand and gravel 722-730 Sandy shaleSignature of Owner Archib. Carberry
Date Dec. 20, 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. 12453

Mar 15 5 37

236493

State of Mississippi ss.
County of Jefferson
Filed 20 day
of Dec 1963 at 11:30
o'clock P and duly filed book
.....Page..... of.....
.....County Recorder
By.....
Fee 2.00
Returns.....

File No. _____

T. 23 N. R. 29 E.

DUPLICATE

County. Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
 DEC 26 1963

Declaration of Vested Groundwater Rights
 (Under Chapter 237, Montana Session Laws, 1961)

1. Archie Carberry, of Malta
 (Name of Appropriator) (Address) (Town)
 County of Phillips State of Montana
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

NW 1/4 NE 23 T. 23 R. 29

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

2. The beneficial use on which the claim is based. Domestic and stock

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 6 gals 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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. about July 1958

8. The depth of water table. 140 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. 4 in. 60 casing, 831 ft. deep, drilled.

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

11. The log of formations encountered in the drilling of each well if available. 0-7 top soil, 7-36 clay, 36-55 Sandy Shale, 55-58 Shale, 58-59 Rock 8 in. 55-583 Judith River formation, 583-586 Rock 31 in., 586-622 Judith River formation, 622-623 Rock 10 in. 623-665 Judith River formation, 665-667 Rock 20 in. 667-782 Judith R. formation 782-783 Rock 7 in. 783-831 Judith River formation.

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. Archie CarberryDate December 20, 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.

12452

Misc 15576

236492

State of Montana, ss.
County of DeWitt
Filed for record this 20 day
of Dec 1915
at 10:45 AM
of Clerk of Court and 1st Deputy Clerk in 1915
Rossini W. H. Long Recorder
By
Fee 2.00
Returns

RECEIVED
JUN 19 1959

T. 23 R. 29 23
County Phillips

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Sect. 23

		X	

Owner Archie Carberry Address Regina, Montana
Driller Claude & Ray Shores Address Malta, Montana
Date Started Date Completed
Location: Sec. 23 T. 23 R. 29 1/4 sec. NE

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

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

Casing: 0 ft. to 831 ft. Type OD Size 4 1/2 inch
Casing: ft. to ft. Type Size
Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 580 to ft. 680 Ft. 730 to ft. 820
Type of screen or perforations 3/8 inch holes drilled

Static Water level, for non-flowing well: 140 feet.

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

Pumping water level 240 feet at 6 gal. per min.

How tested: Pump

Length of test: 24 hours

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

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	7	Top soil
7	36	Clay
36	55	Sandy shale
55	558	Shale
558	559	Rock (8 inches)
559	583	Judith River formation
583	586	Rock (31 inches)
586	622	Judith River formation
622	623	Rock (10 inches)
623	665	Judith River formation
665	667	Rock (30 inches)
667	782	Judith River formation
782	783	Rock (7 inches)
783	831	Judith River formation

22834

State of Montana }
 County of Phillips } ss.
 Filed for Record this 18 day
 of January A. D. 1934 at 10:10
 o'clock A. M. and duly recorded in book
 Page of
 123456789
 1011121314151617181920
 21222324252627282930
 31323334353637383940
 41424344454647484950
 51525354555657585960
 61626364656667686970
 71727374757677787980
 81828384858687888990
 919293949596979899100
 101102103104105106107108109110
 111112113114115116117118119120
 121122123124125126127128129130
 131132133134135136137138139140
 141142143144145146147148149150
 151152153154155156157158159160
 161162163164165166167168169170
 171172173174175176177178179180
 181182183184185186187188189190
 191192193194195196197198199200
 201202203204205206207208209210
 211212213214215216217218219220
 221222223224225226227228229230
 231232233234235236237238239240
 241242243244245246247248249250
 251252253254255256257258259260
 261262263264265266267268269270
 271272273274275276277278279280
 281282283284285286287288289290
 291292293294295296297298299300
 301302303304305306307308309310
 311312313314315316317318319320
 321322323324325326327328329330
 331332333334335336337338339340
 341342343344345346347348349350
 351352353354355356357358359360
 361362363364365366367368369370
 371372373374375376377378379380
 381382383384385386387388389390
 391392393394395396397398399400
 401402403404405406407408409410
 411412413414415416417418419420
 421422423424425426427428429430
 431432433434435436437438439440
 441442443444445446447448449450
 451452453454455456457458459460
 461462463464465466467468469470
 471472473474475476477478479480
 481482483484485486487488489490
 491492493494495496497498499500
 501502503504505506507508509510
 511512513514515516517518519520
 521522523524525526527528529530
 531532533534535536537538539540
 541542543544545546547548549550
 551552553554555556557558559560
 561562563564565566567568569570
 571572573574575576577578579580
 581582583584585586587588589590
 591592593594595596597598599600
 601602603604605606607608609610
 611612613614615616617618619620
 621622623624625626627628629630
 631632633634635636637638639640
 641642643644645646647648649650
 651652653654655656657658659660
 661662663664665666667668669670
 671672673674675676677678679680
 681682683684685686687688689690
 691692693694695696697698699700
 701702703704705706707708709710
 711712713714715716717718719720
 721722723724725726727728729730
 731732733734735736737738739740
 741742743744745746747748749750
 751752753754755756757758759760
 761762763764765766767768769770
 771772773774775776777778779780
 781782783784785786787788789790
 791792793794795796797798799800
 801802803804805806807808809810
 811812813814815816817818819820
 821822823824825826827828829830
 831832833834835836837838839840
 841842843844845846847848849850
 851852853854855856857858859860
 861862863864865866867868869870
 871872873874875876877878879880
 881882883884885886887888889890
 891892893894895896897898899900
 901902903904905906907908909910
 911912913914915916917918919920
 921922923924925926927928929930
 931932933934935936937938939940
 941942943944945946947948949950
 951952953954955956957958959960
 961962963964965966967968969970
 971972973974975976977978979980
 981982983984985986987988989990
 9919929939949959969979989991000
 100

Misc # 14894

File No.

T. 23 N. R. 29 E. M. M.

DUPLICATE

County PHILLIPS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

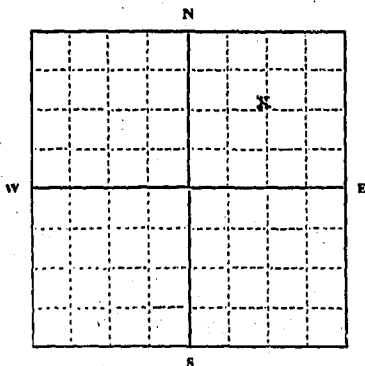
RECEIVED
DEC 13 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. REX D. ULRICH, of REGINA
(Name of Appropriator) (Address) (Town)

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



NW 1/4 NE 1/4 Sec. 32, T23N R. 29E

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 use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Has been continuously used for watering livestock since 1913.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Water flows from underground spring and keeps the basin full.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Spring flows naturally into basin where it is held for use by livestock.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater This spring has been flowing into basin since 1913 to applicant's knowledge. No works are used to withdraw water.

8. The depth of water table Surface.

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 Natural spring flow. Size of basin is approximately 40 foot square.

10. The estimated amount of groundwater withdrawn each year Cannot be estimated.

11. The log of formations encountered in the drilling of each well if available None 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 This spring flows into a large basin where it is held for use by livestock.

Signature of Owner Rex D. Ulrich

Date December 11, 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.

8946

Mic 15507

236299

FILE ENCLOSED

RECEIVED

State of Missouri,

County of Phillips,

Filed for Record this 17 day
of Dec A. D. 1923 at 8:21
o'clock, P. M. and duly Registered

Rosaline M. Melroy

By Rosaline M. Melroy

Fee 2.00

Return

RECEIVED
SEP 10 1957

T. 23 R. 29 33
County Phillips

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

*		

Owner Martin Sandrick Address Regina, Mont.
Driller Claude Shores Address Malta, Mont.
Date Started August 18, 1957 Date Completed Aug 27, '57
Location: Sec. 33 T. 23 R. 29 1/4 sec 7NW4

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other: _____

Casing: 0 ft. to 740 ft. Type _____ Size 4 inch

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

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

Perforated or Screened: Ft. 545 to ft. 555 Ft. 580 to ft. 585

Type of screen or perforations 1/4 inch hole drilled 700 to 710

Static Water level, for non-flowing well: 36 feet.

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

Pumping water level 250 feet at 5 gal. per min.

How tested: bailed

Length of test 3 hours

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



(over)

545 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

545	548	rock (32 inches thick)
548	554	gravel
554	579	shale
579	582	rock (37 inches; very hard)
582	611	sand and gravel
611	612	rock (8 inches thick)
612	625	shale
625	636	rock (10 inches thick)
636	685	shale
685	686	rock (12 inches thick)
686	710	sand and gravel
710	730	shale
730	740	shale with rock layers

Misc. # 14543

215780

State of Montana, }
County of Phillips, } ss.

Filed for Record this... 13th day
of... Sept... A. D. 1957 at 3:55
o'clock P.M. and duly Recorded in book

...Page... of...

Joseph Judyz County Recorder
By...

Fee...

Return:...

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	30	top soil with occasional rock
30	65	clay with occasional rock
65	130	shale with occasional rock
130	545	shale
545	548	rock (32 inches thick)
548	554	gravel
554	579	shale
579	582	rock (37 inches; very hard)
582	611	sand and gravel
611	612	rock (8 inches thick)
612	625	shale
625	626	rock (10 inches thick)
626	685	shale
685	686	rock (12 inches thick)
686	710	sand and gravel
710	730	shale
730	740	shale with rock layers

mic. # 14543

215780

State of Montana, } ss.
 County of Phillips, }
 Filed for Record this 13th day
 of Sept. A. D. 1957 at 3:55
 o'clock P.M. and duly Recorded in book
 Page of
 by Joseph G. Galt
 Return:

RECEIVED

OCT 7 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 23 R. 29 35
County Phillips

WATER WELL LOG

	35	X	

Owner John Matovich Address Regina, Mont.
Driller Claude + Ray Shrus Address Malta, Mont.
Date Started Sept 29, 1958 Date Completed Oct 4, 1958
Location: Sec. 35 T. 23 R. 29 1/4 sec. SE

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 740 ft. Type OD Size 4 inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 52.0 to ft. 63.0 Ft. 65.0 to ft. 730

Type of screen or perforations 3/8 inch holes drilled

Static Water level, for non-flowing well: 25 feet.

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

Pumping water level 200 feet at 5 gal. per min

How tested: pumped

Length of test 4 hours

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

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	30	Topsoil
30	190	Shale
190	300	Bentonite
300	510	Shale
510	511	Rock (12 inches)
511	598	Judith formation
598	599	Rock (9 inches)
599	637	Judith formation
637	639	Rock (26 inches)
639	674	Judith formation
674	675	Rock (16 inches)
675	740	Judith formation

220353

State of Montana, }
County of Phillips, } ss.
Filed for Record this 6th day
of Oct. A. D. 1958 at 11:45
o'clock P. M. and duly Recorded in book
Page _____ of _____
Book _____ County Recorder
Fee, \$50
Return: _____

Miss # 14816

File No. _____

DUPLICATE

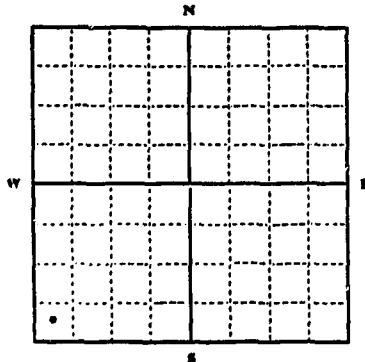
T. 23^N R. 29^E
County. PhillipsSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
DEC 24 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. John Matovich, of Regina, P. Malta
 (Name of Appropriator) (Address) (Town)
 County of Phillips State of Montana
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 36 T. 23 R. 29

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

Oct. 4, 1958

Continuous use

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

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

September 27, 1958 to October 4, 1958

8. The depth of water table

25 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

2 feet to 740 feet, 4 inch steel casing, 2 inch cylinder down 200 feet

10. The estimated amount of groundwater withdrawn each year

2,500,000 gallons

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

brown clay, 20 feet to 511 feet, slate 511 feet to 740 feet of Judith formation

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

Signature of Owner

John Matovich
Date Dec. 24, 1963

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

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

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

13641

Misc # 15629

236584

Filed: Dec. 26, 1963

At: 1:10 P.M.

Fee: \$2.00

Rogers & Maloney
Clark & Kender

RECEIVED
JAN 2 1964

RECEIVED
OCT 4 1957

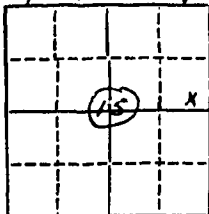
T. 13 R. 27

County Phillips

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

TWP 23 N RG 29 E



Owner Archie Carberry Address Malta, Mont.
Driller Claude Shores Address Malta, Mont.
Date Started Aug 31, 1957 Date Completed Sept 16, 1957
Location: Sec. 15 T. 27 R. 13 1/4 sec.

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other: _____

Casing: 0 ft. to 730 ft. Type _____ Size 4 inch

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

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

Perforated or Screened: Ft. 557 to ft. 572 Ft. 660 to ft. 720

Type of screen or perforations _____

Static Water level, for non-flowing well: 4.0 feet.

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

Pumping water level 273 feet at 5 gal. per min.

How tested: pumped

Length of test 10 hrs.

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

(over)

Misc # 14646

216047

518	548	sand and shale
528	529	Rock (10 inches)
529	535	sandstone and gravel
535	536	Rock (6 inches)
536	555	sandstone and shale
555	557	Rock (28 inches)
557	568	shale and sand
568	572	gravel
572	610	shale
610	611	Rock (12 inches)
611	655	shale
655	688	sandstone and gravel

State of Montana, } ss.
County of Phillips,

Filed for Record this 3 day
of Aug A. D. 1952 at 4:30
o'clock P.M. and duly Recorded in book

Page 1 of 1
J. H. Judge County Recorder

Fee.....
Return:.....

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	17	top soil
17	19	Gravel
19	40	Clay
40	517	Shale
517	518	Rock (8 inches)
518	528	Sand and shale
528	529	Rock (10 inches)
529	535	Sandstone and gravel
535	536	Rock (6 inches)
536	555	Sandstone and shale
555	557	Rock (28 inches)
557	568	Shale and sand
568	572	Gravel
572	610	Shale
610	611	Rock (12 inches)
611	655	Shale
655	688	Sandstone and gravel
688	689	Rock (6 inches)
689	722	Sand and gravel
722	730	Sandy shale

GROUNDWATER INDEX

Page 1 of 1

County Phillips Twp. 230 Rge. 31 E

[illegible]

T 23N R 31E

County PHILIPS

RECEIVED
DEC 26 1963

DEC 26 1963

(Under Chapter 237, Montana Session Laws, 1961)

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 + HOUSE WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 79AL - 139AL
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
NATURAL FLOW

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
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
10. The estimated amount of groundwater withdrawn each year 3,000,000 to 5,000,000 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.....

Earl Shore

Date Dec 19 1963

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.

12447

Mar 15 576

236470

State of Montana, } ss.
County of Phillips, }
Filed to record this 20 day
of Dec A. D. 1902 at 9:00
o'clock A.M. and duly recorded in book
Page 1 of
R. V. Maloney County Recorder
By
Fee 2.00
Returns

File No. _____

T. 23 N. R. 31 E.

DUPLICATE

County Phillips

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

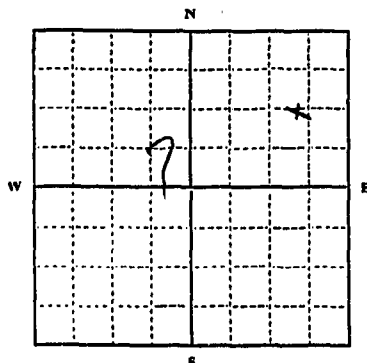
RECEIVED
 DEC 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Wiederrick Brothers, of Regina
 (Name of Appropriator) (Address) (Town)
Phillips Montana
 County of State of
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec 7 T 23 R 31

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 Sept. 6, 1947 continuous
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 flowing well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater started August 27, 1947 completed Sept. 6, 1947
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 240' welded 4" casing, from 230' to 820' welded 3" casing, from 530' to 820' perforated 5/16 drilled holes
10. The estimated amount of groundwater withdrawn each year 518,400 gallons per year
11. The log of formations encountered in the drilling of each well if available 0 to 178' clay, 178' to 334' Bear Paw shale, 334 to 375' shale, 375 to 509 sandstone, 509 to 520 shale, 520 to 820 sandstone
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

Wiederrick Bros by Daniel Wiederrick

Date December 20, 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.

12461

Misc 15585

236504

State of Montana, } ss.
County of Phillips, }

Filed for Record this 20 day
of Dec 1963 at 4:11 P
o'clock by J. J. [Signature]

Rosalind Maloney, cler

By 200

Fee 2.00

Return

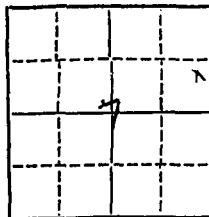
RECEIVED
AUG 29 1958

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 23 R. 31 7
County Phillips

STATE ENGINEER

WATER WELL LOG



Owner George J. Ross, Jr. Address Regina, Mont.
Driller M. G. Simpson Address Malta, Montana
Date Started Aug. 27, 1947 Date Completed Sept. 6, 1947
Location: Sec. 7 T. 23 R. 31 1/4 sec. SENE

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

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

Casing: 0 ft. to 240 ft. Type welded Size 1 inch

Casing: 230 ft. to 820 ft. Type welded Size 2 inch

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

Perforated or Screened: Ft. 530 to ft. 820 Ft. _____ to ft. _____

Type of screen or perforations drilled 5/16 holes

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

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

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

How tested: _____

Length of test: _____

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

well flows at 10 gallons per minute but was not shut in to check pressure

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	60	sandy brown clay
60	115	blue clay
115	140	sand and gravel
140	178	blue clay
178	185	some gravel hard pan
185	354	bear paw shale
354	354 1/2	rock layer
354 1/2	357 1/2	On shale
357 1/2	358 1/2	rock layer
358 1/2	375	sandy shale (Judith river formation)
375	425	some sandstone and shale
425	427	rock layer
427	494	sandstone
494	499	rock layer
499	505	sandstone
505	509	rock layer
509	513	sandy shale
513	520	rock layer
520	530	sandstone
530	534	sandstone and shale layers
534	538	rock layer
538	630	sandstone
630	685	sandstone
685	685 1/2	rock layer
685 1/2	700	shaly sandstone
700	785	sandstone
785	786	rock
786	810	good sandstone
810	820	shaly sandstone

219908

State of Montana, } ss.
County of Phillips,)
Filed for Record this 27th day
of August, A. D. 1956.
at 10:55 A.M. and duly recorded in book
No. 105, page 105.
By *Joseph J. J. J.*
Recorder
Fee, \$5.00
Return:

Misc # 14803

File No. _____

DUPLICATE

T. 23N R. 31E

County PHILLIPS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

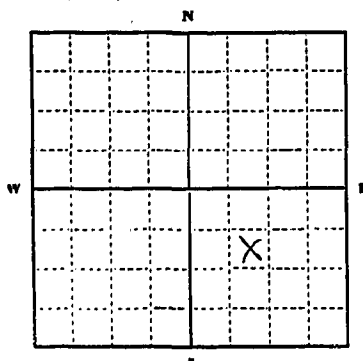
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 26 1963

STATE ENGINEER

1. EARL R. SHORES, of REGINA
(Name of Appropriator) (Address) (Town)
County of PHILLIPS State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 11 T. 23N R. 31E

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

2. The beneficial use on which the claim is based. STOCK WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. JULY 25, 1961
CONTINUOUS USE
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 GAL PER MINUTE
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
NONE
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. PUMP + WINDMILL - 300
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. JULY 15, 1961 - JULY 25, 1961
8. The depth of water table. 88 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. 960 FT. - 0-525 IN. ID STEEL PIPE
525 - 706 3" ID STEEL PIPE
10. The estimated amount of groundwater withdrawn each year. 2,500,000
11. The log of formations encountered in the drilling of each well if available. 0-44 TOP SOIL + CLAY - 49-521 SHALE
521-521
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

Earl Shores

Date

Dec 19, 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.

12446

Misc 1554.0

236469

State of Montana,

County of Phillips,

Record No.

Lee

#

R.D. Maloney,

Recorder

By

Fee

2.00

Return

20 day
63.9.01
filed book

T. 23N R. 31E 11

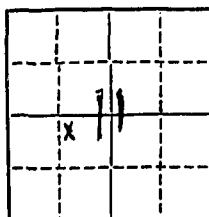
County Phillips

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUL 28 1961

WATER WELL LOG

STATE ENGINEER



Owner: Eddie Harris Address: Big Horn, Mont
Driller: Ray Jones Address: Big Horn, Mont
Date Started: July 15, 1961 Date Completed: July 25, 1961
Location: Sec. 11 T. 23N R. 31E 1/4 sec. NE 1/4 SW 1/4

Type of well: drilled Equipment used: rotary
(Dug, driven, bored, or drilled) (Cable tool, rotary, other)

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

Casing: 0 ft. to 525 ft. Type BL Size 4 1/2" ID
Casing: 525 ft. to 906 ft. Type BL Size 3" ID
Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 520 to ft. 900 Ft. _____ to ft. _____

Type of screen or perforations: 3/8" holes

Static Water level, for non-flowing well: 8.8 feet.

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

Pumping water level: 202 feet at 6 gal. per min.

How tested: pumped

Length of test: 5 hours

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	2	topsoil
2	15	sandy clay
15	20	sand
20	44	brown shale
44	521	Bear Paw shale
521	616	Judith River formation
616	618	Rock 20"
618	620	Judith River formation
620	621	Rock 11"
621	644	Judith River formation
644	646	Rock 27"
646	681	Judith River formation
681	682	Rock 6"
682	762	Judith River formation
762	769	Rock 7'9"
769	807	Judith River formation
807	808	Rock 14"
808	906	Judith River formation

State of Montana, ss. _____
County of Phillips, ss. _____
Filed for Record this 10th day of _____ A. D. 1918 at 10:30
Clock A. M. and duly Recorded in book _____
Page _____ of _____
Recorded by _____

trial # 15112

223164

File No.

T 23^N R 31^E 16

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER SEP 10 1964

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner RAY and DAN SHORES Address REGINA, MONT.Driller RAY and DAN SHORES Address REGINA, MONT.

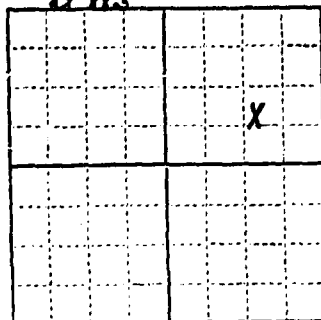
Date of Notice of Appropriation of Groundwater

Date well started AUG. 16, 1964 Date Completed SEPT. 5, 1964Type of well DRILLED Equipment Used ROTARY
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

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

Top of Ground
- 2 Topsoil
- 3 (Elev. above sea level 2320)
- 377 sandy clay
- 465 shale
- 466 Judith river formation
- 470 Rock 15"
- 471 Judith river formation
- 575 Rock 7"
- 596 Judith river formation
- 605 Rock 6"
- 606 Judith river formation
- 612 Rock 16"
- 613 Judith river formation
- 674 Rock 12"
- 675 Judith river formation
- 745 Rock 8"
- 747 Judith river formation
- 864 Rock 27"
- 865 Judith river formation
- 901 Rock 9"
- Judith river formation 8 inch

A. well flowed
one pint per min.
B. well flowed one
gallon at 275
C. well flowed 2 1/2 gal
at 265



1/4 Sec. 16 T23 R31
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Size of Drilled Hole	Shut-in Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind and Size	From (Feet)	To (Feet)
6" ID - 225'	0	27				
4" ID 11.58'	0	901		7/8 inch holes drilled	480	900

Static Water Level for non-flowing Well..... 0 + feet.

Shut-in Pressure for Flowing Well..... 9 1/2

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

Discharge in gal. per min. of flowing well..... 2 1/2

How Tested..... Length of Test.....

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).....

shutoff - brass valve
all joints welded together

Driller's License Number

Driller's Signature

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

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

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

38455