

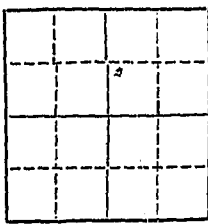
RECEIVED  
MAR 20 1959

T. 25 R. 27  
County Phillips

15

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG



Owner Clifford E. Strand Address Malta, Montana

Driller Address

Date Started Date Completed

Location: Sec. 15 T. 25 R. 27 1/4 sec. SW 1/4 of the NE 1/4

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

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

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

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

Type of screen or perforations

Static Water level, for non-flowing well: feet

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

Pumping water level feet at gal. per min.

How tested: In use - dipped out with a pail - 5 feet deep.

Length of test

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
Has 3' x 3' x 6' wood casing. This decayed & caved in, and this was dug out and new wood casing was replaced - packed with dirt all the way around.

(over)

Miss # 14874

222093

State of Montana }  
County of Phillips } ss.

Filed for Record this 19..... day  
of March A. D. 1959 at 2:15  
o'clock P.M. and duly recorded in book

Page..... of.....

By *J. W. [Signature]* County Recorder

By .....

Fee.. 50 .....

Returns.....

File No. \_\_\_\_\_

T. 25 N. R. 27 E

DUPLICATE

County Phillips

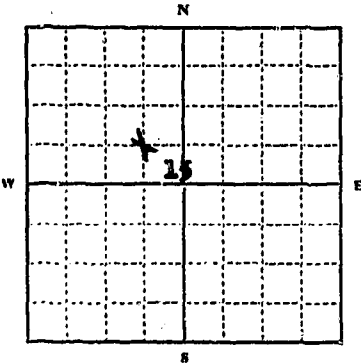
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CONTROL  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

I, Hans Strand, 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 NW Sec 15, T. 25 N. R. 27 E

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

- The beneficial use on which the claim is based  
Household & Stock
- Date or approximate date of earliest beneficial use; and how continuous the use has been. 1917 Continuous
- The amount of groundwater claimed (in miner's inches or gallons per minute) 1 gal per min
- 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
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Well
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1917
- The depth of water table 6 feet
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater hand dug, 4' x 2 1/2', 7 feet deep
- The estimated amount of groundwater withdrawn each year 55,000 gal
- The log of formations encountered in the drilling of each well if available  
0-7 dark clay
- 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 Hans Strand

Date Dec 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.

18016

Misc #15713

286683

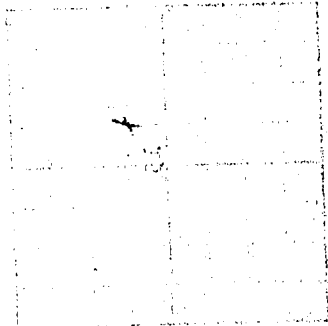
Filed: Dec 30, 1963

at: 1:05 P.M.

Fee \$ 2.00

Rosalind Maloney  
Clerk & Recorder

RECORDED  
INDEXED  
CIVIL DIVISION



TO: 1234567890  
FROM: 0987654321  
DATE: 12/30/63  
TIME: 1:05 PM

RECEIVED  
CIVIL DIVISION  
DEC 30 1963  
1:05 PM

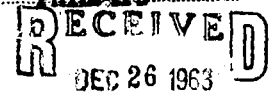
File No. ....

T. 25 N.R. 27 E.M.M.

DUPLICATE

County PHILLIPS

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER



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

1. NATHAN V. FRENCH, of WAGNER  
(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:

	X			

NW 1/4 Sec. 25 T25 R27

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

- The beneficial use on which the claim is based... **watering livestock.**
- Date or approximate date of earliest beneficial use; and how continuous the use has been... **First used in October, 1953 and in continuous use since that time.**
- The amount of groundwater claimed (in miner's inches or gallons per minute)... **sixx three gallons per minute.**
- 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.**
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... **This is an artisan flowing well and has no means of withdrawing water.**
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... **Well was commenced and completed in October, 1953. Casing was installed and water has been flowing since that time.**
- The depth of water table... **120 feet.**
- 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" steel casing, 120 feet deep. Water flows from an artisan spring underground. Water runs into a tank and surplus runs off into coulee.**
- The estimated amount of groundwater withdrawn each year... **1,576,800 gallons per year.**
- The log of formations encountered in the drilling of each well if available... **Top soil, clay, sandstone, gravel.**
- 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 *Nathan V. French*

Date **December 23, 1963**

1

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 Quaduplicate for the Appropriator.

12490

Min # 15614

230548

State of Montana,

County of Phillips,

Filed for Record this 23 day

of 10th A. D. 1923

of clerk M, and duly recorded in book

of

Rosalene M. County Recorder

By

200

Returns

26

File No. ....

T. 25 N. R. 27 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 227 Montana Session Laws, 1961)

Date of Appropriation of Groundwater..... 1935

Owner..... Hans Strand ..... Address..... Malta, Montana

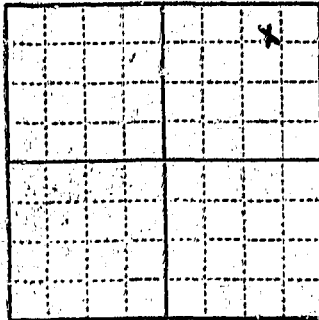
Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed..... 1935

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

surface



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.....

5 gal per min.

NE 1/4 Sec 26 T25 R27  
Indicate point of appropriation and place of use, if possible.

Signature of Owner..... Hans Strand

Date..... Dec. 26, 1963

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

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

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

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

18015

Mem # 15712

236682  
236682

Filed: Dec. 30, 1963  
at: 1:00 P.M.  
Fee \$ 2.00

Rosalind Meloy  
Clerk & Recorder

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FEB 1 1964  
FBI - MEMPHIS



34

File No. \_\_\_\_\_

T. 25<sup>N</sup> R. 27<sup>C</sup>

DUPLICATE

County Phillips

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 27 1964

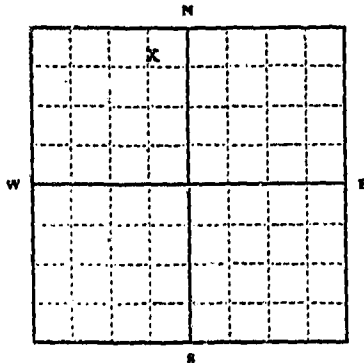
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Issac M. Frye, 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 1/4 NW 34 Sec. 34 T. 25 R. 27

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 & stock

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) six 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 1952

8. The depth of water table 75'

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 4 in casing 90 ft. deep

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 0-65 clay 65-85 gravel 85-90 shale

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

Signature of Owner /s/ Isaac M. Frye

Date Dec 30, 1963

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

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

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

34023

Min 16099

237127

Phillips Co.

Filed 12-31-63.

At 1:06 P.M.

Fee \$ 2.00.

R. V. Maloney

Clerk & Recorder

File No. \_\_\_\_\_

T. 25<sup>N</sup> R. 27<sup>E</sup> 34

DUPLICATE

RECEIVED

County Phillips

Top of Ground

STATE OF MONTANA

(Elev. above sea level 2770), SEP 23 1971

ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER



6 pit  
 6 48 ~~blue clay~~ brown clay  
 48 80 sandy blue clay  
 80 85 blue clay  
 85 86 gravel water

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

(Under Chapter 237, Montana Session Laws, 1961)

Doc. No. 253917 Owner Nansea Fryo Address Malta, Montana

Filed for record this 22 day of September Driller Simpson Drilling Co Address Malta, Montana

A. D. 19 71, at 11:25 o'clock A M. Date of Notice of appropriation of ground water \_\_\_\_\_

Date well started July 18, 1971 Date Completed July 22, 1971

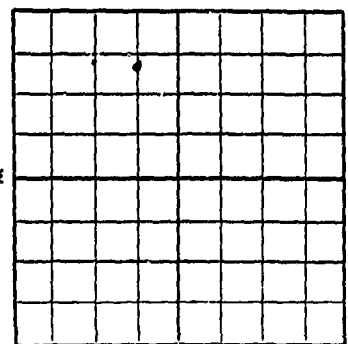
Type of well drilled Equipment used shown  
(dug, driven, bored or Churn, drill, rotary or drilled) other)

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		
				From (Feet)	To (Feet)	From (Feet)
8	7" 20#	- 3	86			

estimated annual withdrawal ..... 1,110,000 gallons



NENW 1/4 Sec 34 T 25 N R 27 E  
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing well 5 feet.

Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 5 feet

at 10 gpm gal. per minute.

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

How Tested bailer

Length of Test 2 hours

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) \_\_\_\_\_

15  
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 School of Mines and Quadruplicate for Appropriator.

49116

Misc # 16814

253517

STATE OF MONTANA  
County of Phillips

Filed for Record this 22 day of

Sept 1925 at 11:25

o'clock of the day

at

Phillips County

By

Fee 2.00 Return 1.00

DUPLICATE



Top of Ground  
 (Elev. above sea level 2770)

6 pit  
 48 ~~sandy blue clay~~ brown clay  
 80 sandy blue clay  
 83 blue clay  
 86 gravel water

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

(Under Chapter 237, Montana Session Laws, 1961)

Doc. No. 253917 Owner Nanson Fryo Address Malta, Montana  
 Filed for record this 22 day of September Driller Simpson Drilling Co Address Malta, Montana  
 A. D. 19 71, at 11:25 o'clock A M. Date of Notice of appropriation of ground water \_\_\_\_\_

Date well started July 18, 1971 Date Completed July 22, 1971

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

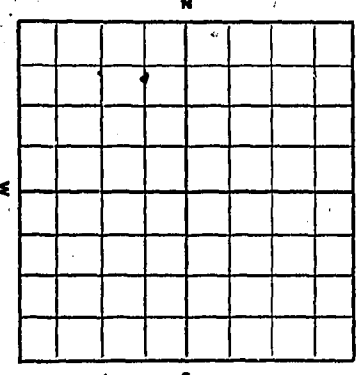
Water use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other

MONTANA WATER RESOURCES BOARD  
**RECEIVED**  
 OCT 5 1971

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)
8	7" 20#	- 3	86	none		

estimated annual withdrawal 140,000 gallons



NE 1/4 Sec 34 T25 R27  
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well 3 feet.  
 Shut-in Pressure for Flowing Well \_\_\_\_\_  
 Pumping Water Level 5 feet  
 at 10 gpm gal. per minute.  
 Discharge in gal. per min. of flowing well \_\_\_\_\_

How Tested baller  
 Length of Test 2 hours  
 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.

15  
 Driller's License Number \_\_\_\_\_  
 Driller's Signature Albert C. Simpson

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 Appropriator.

35

File No. \_\_\_\_\_

T. 25<sup>N</sup> R. 27<sup>E</sup>

DUPLICATE

County Phillips

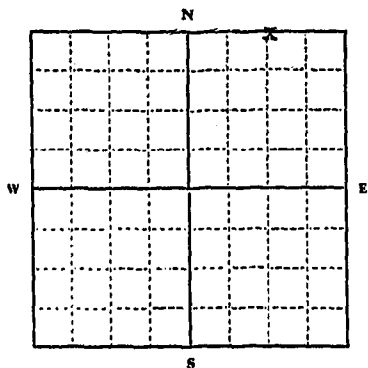
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DR  
JAN 27 1964  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Isaac M. Frye, of Malta, Montana  
(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 Sec 35 T 25 R 27

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. 1952 continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 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. free flowing well

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1952
- 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. 120 ft. deep 2 in. casing
- 10. The estimated amount of groundwater withdrawn each year. 10 gals per min. 5,256,000 gal.
- 11. The log of formations encountered in the drilling of each well if available. clay to 120 ft.
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner /s/ Isaac M Frye

Date Dec 30 1963

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

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

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

34025

Misc 16101

237129

Phillips Co.

Filed 12-31-63

at 1:08 PM

Fee \$ 2.00

R. O. Maloney  
Clerk & Recorder





12

File No. \_\_\_\_\_

T. 25 N. R. 28 E

DUPLICATE

County Phillips

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

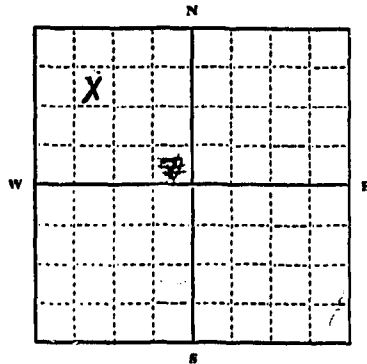
RECEIVED  
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Upsoth Ranch Co., 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:



SW 1/4 Sec. 12 T. 25 N. R. 28 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 livestock water.
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1951
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gpm per min  
NATURAL FLOW.
- 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. NATURAL FLOW.

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1951
- 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. Drilled 6" steel casing 450 feet
- 10. The estimated amount of groundwater withdrawn each year. 1,155,000
- 11. The log of formations encountered in the drilling of each well if available. Not available
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Daphne Grant  
Date 12/30/63

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.

29192

Misc. # 15892  
236920

Filed Dec 31, 1963

at 8:51 A.M.

Fee \$ 2.00

R. V. Maloney  
Clerk & Recorder

File No. \_\_\_\_\_

T. 25<sup>N</sup> R. 28<sup>E</sup>  
County Ph. H. Ps

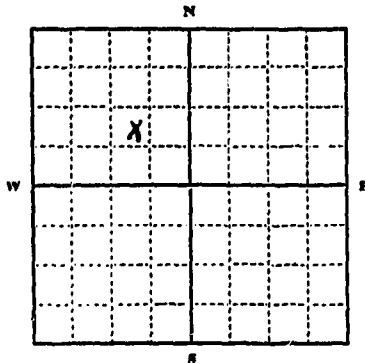
DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 10 1964

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

1. Veseth Ranch Co, of Malta  
(Name of Appropriator) (Address) (Town)  
County of Ph. H. Ps 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, T. 25 R. 28

Indicates 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 1949 Annually Winter + Spring

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10.9 gpm Per Minute

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump Jack-Cylinder Pump Gasoline Engine

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1949

8. The depth of water table 40 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 (4" Steel Casing) 700 feet

10. The estimated amount of groundwater withdrawn each year 550,000

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

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

Signature of Owner Dipen P. Dey, Mgr.

Date 12/30/63

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.

Miss # 15891

236919

Filed Dec 31, 1943

at 8:50 A.M.

Fee 2.00

P.V. Maloney

Clerk & Recorder

019

File No. \_\_\_\_\_

T. 25<sup>N</sup> R. 28<sup>E</sup>

DUPLICATE

County Phillips

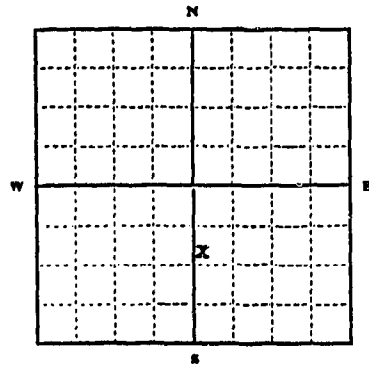
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 27 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Issac M. Frye, 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 SE Sec. 19 T. 25 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 Stock water

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

4. 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 pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1948

8. The depth of water table 60 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled 6 in. steel casing 270 feet deep

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

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

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

Signature of Owner /s/ Isaac M. Frye

Date Dec 30 1963

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

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

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

34024

Miss 16100.

237128.

Phillips Co.

Filed 12-31-63.

at 1:07 P.M.

Fee <sup>#</sup> 2.00

R. V. Maloney

Clerk & Recorder.

Form No. 18  
8-60

29

T. 25 R. 28  
County Phillips

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
SEP 7 1961  
STATE ENGINEER

Water Well Log

	X	
	29	

Owner Robert Cummings Address Malta, Montana  
Driller Simpson Drilling Co Address Malta, Montana  
Date Started August 24, 1961 Date Completed Sept 3, 1961  
Location: Sec. 29 T. 25 R. 28 1/4 sec. NENW

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 \_\_\_\_\_

Casings: 0 ft. to 470 ft. Type \_\_\_\_\_ Size 4 1/2 O.D.

Casings: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casings: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or screened: Ft. 30 to ft. 470 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations drilled 3/8 inch holes

Static water level, for non-flowing well: 44 feet.

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

Pumping water level 60 feet at 10 gal. per min.

How tested: baller

Length of test 3 hours

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

two rubber packers above the perforations

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	30	brown clay
30	70	blue clay some rocks
70	200	dark shale ( bear paw shale)
200	221	rock
221	228	sandstone
228	409	rock layer
409	435	sandstone
435	436	rock layer
436	460	sandstone
460	479	gray shale

Mid # 15120

228617

State of Montana, }  
County of Phillips, }  
Filed for Record this 6th day  
of August A. D. 1911.  
at 8:15 M. and duly Recorded in book  
No. 80 Page 6 of 6  
Joseph J. [Signature] Recorder  
1911  
Returns.....



232

File No. \_\_\_\_\_

T. 25<sup>N</sup> R. 26<sup>E</sup>

DUPLICATE

County Challis

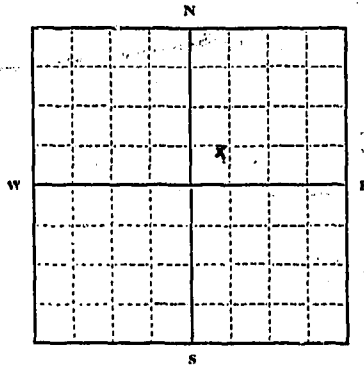
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 10 1964

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

1. Brown L. Mills of Melbo  
(Name of Appropriator) (Address) (Town)

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



5 1/4 Sec. T. 25 R. 26  
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  
Mineral & Power Generation

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been. Sept 27, 1961

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater. Sept 27, 1961

8. The depth of water table. 290

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 1/2" casing 4' diameter

10. The estimated amount of groundwater withdrawn each year. 12000 gal

11. The log of formations encountered in the drilling of each well if available.  
0-1000 clay rocks, heavy clay, hard shale, sandstone  
rock layer, medium - fine shale, fine sandstone, green shale

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

Signature of Owner Brown L. Mills  
Date 12/15/63

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.

29264

Misc. 15964

236992

Phillips Co.

Filed 12-31-63

at 10:01 A.M.

Fee \$ 2.00

R. V. Maloney

Cl & Rec.

Form No. 18  
8-60

32

T. 25 R. 28

County Phillips

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
OCT 20 1961

Water Well Log

STATE ENGINEER

		X

Owner Ted Seibert Address Malta, Montana

Driller Simpson Drilling Co. Address Malta, Montana

Date Started September 19, 1961 Date Completed Sept 27, 1961

Location: Sec. 32 T. 25 R. 28 sec. 35E 1/4 28 1/4

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 277 882 ft. Type welded Size 4 inch

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or screened: Ft. 890 to ft. 277 882 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations drilled 1/2 inch holes

Static water level, for non-flowing well: 170 feet.

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

Pumping water level 280 feet at 8 gal. per min.

How tested: bailey

Length of test 3 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
rubber packers placed on casing above the perforations

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	6	brown clay
6	7	rocks
7	9	brown clay
9	18	brown clay
18	20	brown clay last circulation at 18 feet
20	40	brown clay some rocks
40	585	dark shale ( bear Paw shale)
585	600	sandstone
600	601	rock layer
601	605	sandstone
605	635	grey shale
635	642	rock layer
642	720	grey shale
720	730	fine grain sandstone
730	745	grey shale
745	749	rock layer
749	770	grey shale some layers of sandstone
770	800	sandy grey shale
800	802	rock layer
802	850	grey shale and sandstone
850	870	sandstone
870	873	rock layer
873	889	sandstone
889	892	rock layer
892	906	grey shale
906	950	sandstone

State of Missouri,  
 County of Phillips  
 Filed for record this 19th day  
 of Dec. A. D. 1961 at 9:30  
 o'clock P.M. and duly recorded in book  
 of Records of Phillips  
 County, Missouri, Record  
 Return .....  
 Fee .....  
 Paid .....

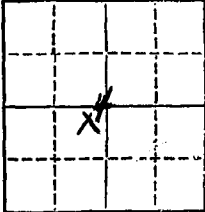
Well # 15196  
 229870



T. 25 R. 29 H  
County Phillips

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG



Owner Ray Cummings Address Repin, Montana  
Driller R. C. Simpson Address Malta, Montana  
Date Started August 20, 1957 Date Completed Sept 4, 1957  
Location: Sec. 4 T. 25 R. 29 1/4 sec. NE SW

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 370 ft. Type screw joint Size 4 inch

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 390 - 409 415 - 465 515 - 550

Static Water level, for non-flowing well: 72 feet.

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

Pumping water level 230 feet at 5 gal. per min.

How tested: baller

Length of test 2 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
gravel packed 390 to 570

(over)

Trac. # 14540

215710

State of Montana, }  
County of Phillips, } ss.  
Filed for Record this 10 day  
of Sept. A. D. 1957, at 11:45  
o'clock A.M. and duly Recorded in book  
Page ..... of .....  
By Joseph Judge County Recorder  
Fee .....  
Return: .....

390	405	sandstone
405	409	rock layer
409	415	blue shale
415	454	sandstone
454	457	rock layer
457	460	sandstone
460	462	rock layer
462	465	sandstone
465	515	grey shale
515	540	sandstone
540	542	rock layer
542	590	sandstone
590	590	grey shale

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	15	brown clay
15	16	rocks
16	35	brown clay
35	380	bear paw shale (dark)
380	382	rock layer
382	390	grey shale
390	405	sandstone
405	409	rock layer
409	415	blue shale
415	454	sandstone
454	457	rock layer
457	460	sandstone
460	462	rock layer
462	465	sandstone
465	515	grey shale
515	540	sandstone
540	542	rock layer
542	550	sandstone
550	570	grey shale

RECORDED  
11 13 7

STATE ENGINEER



File No. ....

T. 25<sup>N</sup> R. 29<sup>E</sup>

DUPLICATE

County PHILLIPS

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1964

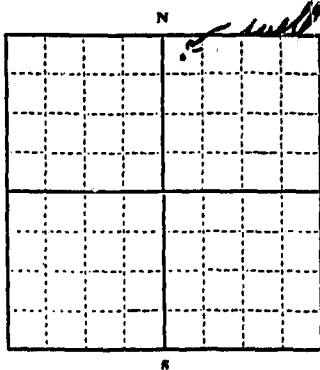
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Sanford Banett of Malta Mont.  
(Name of Appropriator) (Address) (Town)

County of \_\_\_\_\_ State of \_\_\_\_\_  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1932, as follows:



1/4 Sec 6 T25 R29

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 + home use + garden irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Oct. 1, 1951  
continuous since

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 20 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. one acre garden Sanford Banett

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Sept 10, 1951 completed Oct 1, 1951

8. The depth of water table. 100 ft with pump

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 well 4 1/2 ft 8 in casing flows at 20 gal per min

10. The estimated amount of groundwater withdrawn each year. 24606.40 gal

11. The log of formations encountered in the drilling of each well if available. 1000 to 300 ft sandstone, shale, siltstone, 200 to 300 ft gravel + clay silt, 300 to 400 ft sandstone + rock, 400 to 500 ft mostly sandstone, 500 ft flow

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 Sanford Banett  
Date Dec 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.

Mem # 15696  
15696

236663

Filed Dec 30, 1963  
at: 9:50 A.M.  
FBI - D.C.

Rosalind M. Meloney  
Deputy Director

RECEIVED  
FBI - D.C.  
DEC 30 1963

File No.

T. 25N R. 29E

DUPLICATE

County Phillips

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

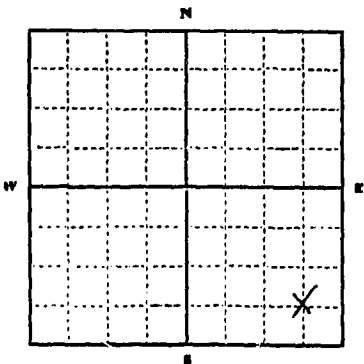
RECEIVED  
DEC 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Clime Regnier of Resina Montana  
(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 Sec. 14 T. 25 N. R. 29 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 HOUSE AND STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been NOV 11, 1957 - CONTINUOUS USE

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater OCT 18, 1957 - NOV 1, 1957

8. The depth of water table 120 FEET FROM 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 4 IN. PIPE - 7 1/2 DEEP

10. The estimated amount of groundwater withdrawn each year APP 759000 gal

11. The log of formations encountered in the drilling of each well if available 0-20 TOPSOIL & CLAY  
30-402 SHALE 402-440 SANDSTONE 440-460 SHALE  
460-465 ROCK 465-710 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 Clime Regnier  
Date Dec 23, 1963

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

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

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

12479

Misc # 15603

236537

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

Filed for Record this 23<sup>rd</sup> day  
of Dec. A. D. 1963. at 1:50  
o'clock P.M. and duly Recorded in book

of .....  
Rosaline W. Maloney, recorder

Fee \$ 2.<sup>00</sup> .....

Returns .....

File No. gwr

STATE WATER CONSERVATION BOARD

T 25 R 29 29

DUPLICATE

DEC 5 1966

County Phillips

- 0 Top of Ground
- (Elev. above sea level \_\_\_\_\_)
- 14 14 brown clay some gravel
- 14 15 rocks
- 15 33 brown clay some gravel
- 33 55 brown clay & gravel
- 35 53 brown clay
- 53 57 brown clay turning to shale
- 57 245 dark shale (bear Paw)
- 245 246 rock layer
- 246 463 dark shale
- 463 465 rock layer
- 465 560 sandstone with some shale layers
- 560 580 grey shale

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Sanford Barrett Address Malta, Montana

Driller Simpson Drilling Co Address Malta, Montana

Date of Notice of appropriation of ground water \_\_\_\_\_

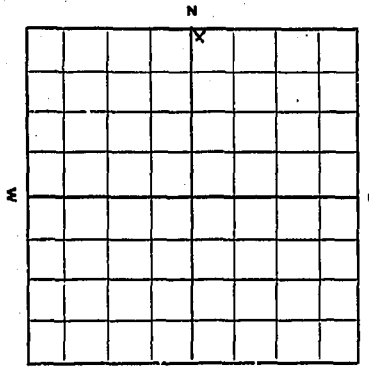
Date well started Oct 14, 1966 Date Completed Oct 24, 1966

Type 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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6	4" 11 #	0	580	3/16 holes	465	560



NW 1/4 NE 1/4 Sec 20 T. 25 R. 29  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well 140 feet

Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 330 feet

at 8 gal. per minute.

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

How Tested bailer

Length of Test 2 hours

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) gravel

packed well 420 to 520

bentonite on top of gravel pack

Show exact depth of bottom.

15  
Driller's License Number  
Robert C. Simpson  
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 Appropriator.

41, 395

Miss 16394

244847

State of Montana,  
County of Phillips,

Filed for Record this 2nd day  
of July, A. D. 1966 at 1:45  
o'clock P.M. and duly recorded in book

Page 2 of 2  
Rosalind Maloney County Recorder

By .....

Fee... 2.00 .....

Return.....

Original of this document  
is on file in the office of the  
County Clerk at Phillips, Montana.

Record

Office of the County Clerk  
Phillips, Montana

Record

Office of the County Clerk  
Phillips, Montana

Record

Office of the County Clerk  
Phillips, Montana


PHILLIPS

2

1966

July

1:45

2.00

2

2

2

2

2

24

File No.....

T. 25<sup>N</sup> R. 29<sup>E</sup>

DUPLICATE

County Phillips

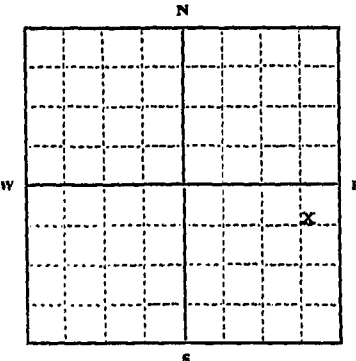
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 27 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Joseph R. Peigneux, 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 SE Sec. 24, T. 25 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 household and livestock
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Sept 1956 steady
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per min.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- 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 middle of Aug 1956 Finished at the end of Aug 1956
- 8. The depth of water table. 210 ft.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled 4 in (size) 645 ft (deep)
- 10. The estimated amount of groundwater withdrawn each year. 360,000 gallons
- 11. The log of formations encountered in the drilling of each well if available. 0-30 Brown rock. 30-32 Hard Pan Rock 32-56 Blue Clay 56-58 Hard Pan 58-392 Dark Shale (Bear Paw) 392-395 rock layer 395-450 Blue Shale 450-460 sand stone 460-470 Blue Shale 470-490 sandstone 490-530 Blue Shale 530-600 sandstone 600-610 Tan shale 610-630 sandstone 630-645 Blue shale
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner /s/ Joseph Peigneux  
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.

33949

Miss 16024  
237052.

Phillips Co.

Filed 12-31-63

At 10:56 A.M.

Fee \$ 2.00.

R. V. Maloney

Clerk & Recorder



26

File No. \_\_\_\_\_

T 25<sup>N</sup> R 29<sup>E</sup>

DUPLICATE

County PHILLIPS

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 10 1964

Declaration of Vested Groundwater Rights

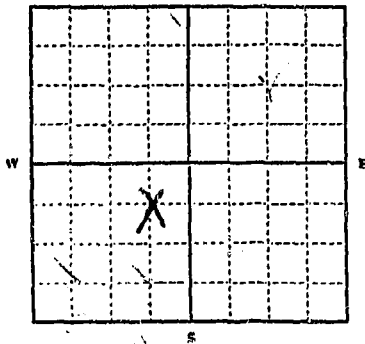
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. ALFRED BLUNT 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:



N 1/4 SW Sec 26 T 25 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 WATERING LIVESTOCK

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June, 1946 and in continuous use since that time.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) five 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 Oil field type pump driven by gasoline motor.

7. The date of commencement and completion of the construction of the well, well, or other works for withdrawal of groundwater commenced June 13, 1946 and completed June 22, 1946. including pump for withdrawing water.

8. The depth of water table 340 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 Well is 670 feet deep. 3" casing pipe to 670 feet.

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

11. The log of formations encountered in the drilling of each well if available 0-10, sandy clay; 10-12, sand; 12-40, clay; 40-45, sand; 45-510, bear paw shale; 510-522, light grey shale; 522-525, rock layer; 525-540, sandstone; 540-569, sandy shale & sandstone; 569-570, rock; 570-579, sandy blue shale; 579-580, rock layer; 580-590, sandy grey shale; 590-615, sandy brown shale; 615-640, sandstone; 640-660, sandstone; 660-670, shale and sandstone layers.

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 Alfred Blunt

Date December 30, 1963

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

Please answer all questions. If not applicable, so state, otherwise the forms 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.

29218

Misc. #15918

236946

Phillips Co.

Filed 12-31-63.

at 9:16 A.M.

Fee \$ 2.00.

R. V. Maloney  
Cl. & Rec.


1963 DEC 31 12 31 PM

RECORDED BY THE CLERK OF THE DISTRICT COURT OF THE DISTRICT OF COLUMBIA

RECORDED BY THE CLERK OF THE DISTRICT COURT OF THE DISTRICT OF COLUMBIA

File No. ....

T 25-N R 29-E 33

DUPLICATE

County Phillips

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CONTROL  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1965

(Under Chapter 237, Montana Session Laws, 1961)

Owner Raymond J. Mendenhall address Malta, Mont.  
or Phillips Water Well Co. address Blender, Mont.

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

Date well started 6-24-65 Date completed.....

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

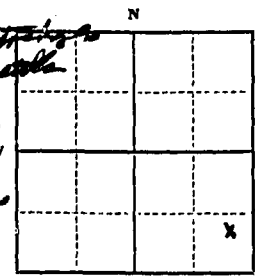
Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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.

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

2-115 yellow sticky clay  
115-120 brackly shale  
120-464 black sh.  
464-465 hard grey rock  
465-487 blk. sh.  
487-488 uncalidated s. stone  
488-562 silty green shale  
562-565 firm silty sh.  
565-577 green silty sh.  
577-581 uncalidated s. stone  
581-615 blk. sh.  
615-620 grey sandy sh.  
620-632 med. soft s. stone  
632-638 hard s. stone  
638-651 grey sandy sh.  
651-652 uncalidated s. stone  
652-654 sandy grey sh.  
654-654 blk. sh.  
654-694 X-hard sandy sh. (6 1/4" 4 1/2 x 9 1/2 - 1)  
694-696 X-hard sandy sh. (rocks)  
696-699 med. soft s. stone  
699-699 X-hard s. stone  
699-699 sandy grey sh. w/ ferna and stls  
699-699 blk. sh.  
699-713 blk. sh.  
713-723 brown sh. w/ sand and stls  
723-730 grey sandy sh. w/ sand and stls  
730-739 blue sh.  
739-747 firm to hard s. stone  
747-749 X-hard s. stone  
749-767 firm to hard s. stone  
767-767 blk. to brown sh.  
767-770 firm s. stone  
770-782 blue sh.  
782-789 uncalidated s. stone  
789-795 blue sh.  
795-802 grey sandy sh. w/ hard sand stringers  
802-806 soft s. stone w/ hard stringers  
806-817 grey sandy sh.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
				6 1/4"	624	643
				4 1/2 x 9 1/2	674	694
					737	752
					790	812



Static Water Level for non-flowing well 840 feet.

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

Pumping Water Level 300 feet

at 8 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailed

Length of Test 12 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff) packer on casing @ 126'

SE 1/4 Sec 33 T 25 R 29  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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.

61  
Driller's License Number  
Clay Allison  
Driller's Signature

Misc # 16277

241022

State of Montana, }  
County of Phillips, }

Filed for Record this 12 day

of July A. D. 1945 at 2:15

of the P. M. and duly Recorded in book

Page of  
Book of  
Recorder of  
County of Phillips

By: [Signature]  
[Signature]

Return: .....

RECORDED  
INDEXED

RECEIVED  
JUL 28 1957

T. 25 R. 29

County Phillips

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

	1	
	X	

Owner: Aime Paigneaux Address: Regina, Mont.

Driller: Claude Shoras Address: Malta, Mont.

Date Started: September 25, 1957 Date Completed: Oct. 3, 1957

Location: Sec. T. R. 1/4 sec.

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 710 ft. Type: Size: 4 inch

Casing: ft. to ft. Type: Size:

Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. 524 to ft. 671 Ft. to ft.

Type of screen or perforations: 1/2 inch holes drilled

Static Water level, for non-flowing well: 80 feet

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

Pumping water level: 315 feet at 12 gal. per min.

How tested: pumped

Length of test: 6 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	25	Top soil
25	35	Clay
35	402	Shale
402	440	Sandstone formation
440	460	Shale
460	465	Rock (60 inches)
465	500	Shale
500	550	Sandstone formation
550	551	Rock (10 inches)
551	553	Sand
553	554	Rock (12 inches)
554	570	Sand
570	659	Sandstone formation
659	661	Rock (23 inches)
661	710	Sandstone formation

210305

Well # 14654

State of Montana, )  
 County of Phillips, ) ss.  
 I, *W. A. Phillips*, day  
 of *Oct.*, A. D. 19*57*, at *4:30*  
 o'clock P. M., and duly Recorded in book  
 Page *1* of *1*  
*W. A. Phillips* County Recorder  
 Fee *50*  
 Return



26

File No.

T. 25N R. 30E

DUPLICATE

County Phillips

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

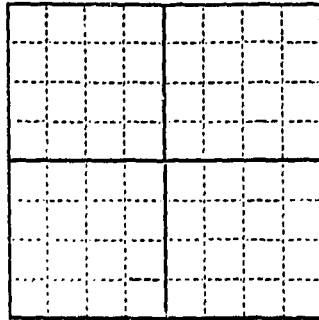
RECEIVED  
JAN 1 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. **WILLIAM J. COTTER**, 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 SW 1/4 Sec. 26 T. 25N. R. 30E

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. **1956**

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

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

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 **1956**

8. The depth of water table **20 feet**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater **710 feet deep 4 1/2 inch casing, 3 1/2 feet 3 inch casing**

10. The estimated amount of groundwater withdrawn each year **5,000,000 gals**

11. The log of formations encountered in the drilling of each well if available  
**Log information contained in document #215446, records of Phillips County, Montana**

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

*William J. Cotter*

Date **Jan. 21, 1963**

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

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

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

29307



Miss 16007

237035

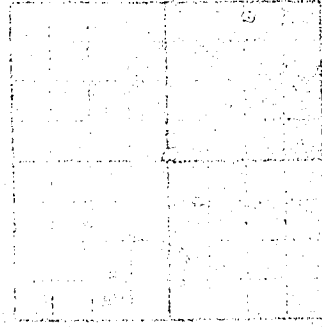
Phillips Co.

Filed 12-31-63

at 10:41 A.M.

Fee \$ 2.00

R. V. Maloney  
Clerk & Recorder



RECEIVED  
COUNTY CLERK  
DECEMBER 31 1963  
10:41 AM  
FEE \$2.00  
R. V. MALONEY  
CLERK & RECORDER

T. 25 N. R. 30 E 26  
County Phillips

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
1957

WATER WELL LOG

STATE ENGINEER


Owner William Cotter Address Malta, Montana  
Driller R. C. Simpson Address Malta, Montana  
Date Started Nov 26 Date Completed Dec 6, 1956  
Location: Sec 26 T. 25 N. R. 30 E. 1/4 sec SE1SW1

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 434 ft. Type screw joint Size 4 1/2 S&S casing

Casing: 430 ft. to 765 ft. Type screw joint Size 3 inch

Casing: \_\_\_\_\_ ft. to 600-622 642-655 TYP 580-710 \_\_\_\_\_ Size

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

Type of screen or perforations drilled 1/2 inch holes

Static Water level, for non-flowing well: water level 20 feet \_\_\_\_\_ feet.

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

Pumping water level 40 feet at 8 gal. per min

How tested: bailer 3 hours

Length of test 3 hours

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

(over)

**Log of Well**

Depth, feet		Description of Material Drilled
From	To	
0	2	top soil
2	16	sandy brown clay
16	20	gravel boulders
20	83	brown clay
83	96	grey shale
96	215	dark shale bear paw
315	460	blue shale judith river
460	540	sandstone
540	573	blue shale
573	578	rock layer
578	600	blue shale
600	622	sandstone
622	642	blue shale
642	656	sandstone
656	680	blue shale
680	710	shale and sandstone layers
710	765	blue shale

State of Montana, 2153443  
 County of Phillips, } ss.  
 Filed for Record this \_\_\_\_\_ day  
 of Oct 1935. A. D. [unclear]  
 of clerk, and duly recorded in book  
 of \_\_\_\_\_ of \_\_\_\_\_  
 Page \_\_\_\_\_ of \_\_\_\_\_  
 B. [unclear] Recorder  
 Feb. \_\_\_\_\_  
 Return. \_\_\_\_\_

*Well # 14635*

T. 25N R. 30E **27**  
County Phillips

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
1957  
STATE ENGINEER

WATER WELL LOG


Owner William Cotter Address Malta, Montana  
Driller R. C. Simpson Address Malta, Montana  
Date Started..... Date Completed January 10, 1949  
Location: Sec. 27 T. 25 N. R. 30 E. ¼ sec. NW¼NW¼

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

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

Casing: 0 ft. to 95 ft. Type screw joint Size 4 inch  
Casing: 90 ft. to 193 ft. Type screw joint Size 3 inch  
Casing: 193 ft. to 710 ft. Type..... Size 2 inch  
585 600 605-620 624-710  
Perforated or Screened: Ft. to Ft. to ft.

Type of screen or perforations drilled 5/16 holes

Static Water level, for non-flowing well: 15 feet.

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

Pumping water level: 70 feet at 5 gal. per min.

How tested: bailing

Length of test.....

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

(over)



File No. ....

T. 25N B 30E

DUPLICATE

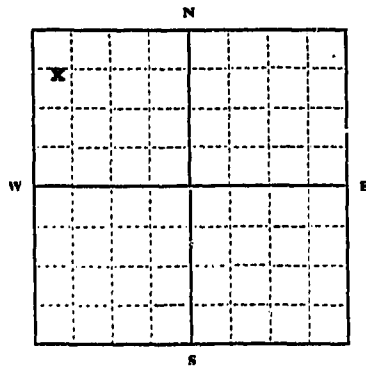
County Phillips

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. WILLIAM J. COTTER, 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 Sec. 27, T. 25N R. 30E

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.....  
1949
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute).....  
5 gpm
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....
- 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.....  
1947 - 1949
- 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.....  
710 feet deep, casing 4, 3, & 2 inch
- 10. The estimated amount of groundwater withdrawn each year.....  
3,000,000
- 11. The log of formations encountered in the drilling of each well if available.....  
log information contained in document # 215445 records of Phillips county.
- 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 William J. Cotter  
Date..... December 31, 1963

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

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

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

Mic. 16008

237036

Phillips Co.

Filed 12-31-63

At 10:42 A.M.

Fee <sup>\$</sup> 2.00

R. V. Maloney  
Clerk & Recorder

RECEIVED

CLERK & RECORDER  
PHILLIPS COUNTY  
MONTANA

PHILLIPS COUNTY, MONTANA  
CLERK & RECORDER

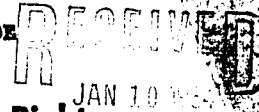
File No. \_\_\_\_\_

T 25 N. R 30 E. S. 3

DUPLICATE

County PHILLIPS

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER



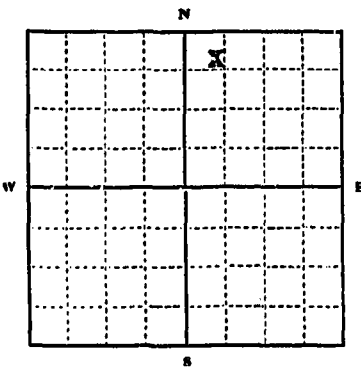
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, ALFRED BLUNT, 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 Sec. 32 T25 R30

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

- The beneficial use on which the claim is based DOMESTIC USE & FOR WATERING LIVESTOCK.
- Date or approximate date of earliest beneficial use; and how continuous the use has been June 3, 1946 and in continuous use since that date.
- The amount of groundwater claimed (in miner's inches or gallons per minute) five gallons per minute.
- 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.
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal cylinder pump driven by electricity.
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well was commenced in June, 1946 and completed in that month. Works for withdrawal of groundwater also installed at that time.
- The depth of water table 610 feet.
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 3" casing pipe perforated 5/16" holes 480 to 610 feet.
- The estimated amount of groundwater withdrawn each year 1,100,000 gallons per year.
- The log of formations encountered in the drilling of each well if available 0-43, sand & clay; 43-299, 392, dark shale (bear paw); 392-395, rock layer; 395-420, shale Judith River; 420-432, sandstone; 432-436, rock layer; 436-440, shale & sandstone; 440-490, blue shale; 490-512, sandstone; 512-513, rock layer; 513-540, shale & sandstone layers; 540-610, ditto.
- 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 Alfred Blunt  
Date December 30, 1963

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

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

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

39217



Misc. # 15917

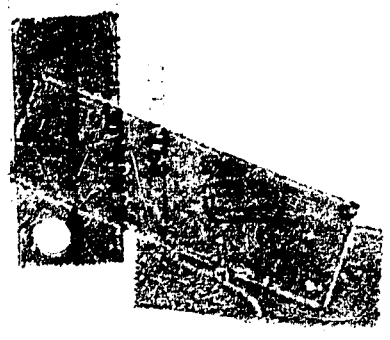
<sup>236945</sup>  
Phillips Co.

Filed 12-31-63

at 9:15 A.M.

Fee \$ 2.00

R. V. Maloney  
Cl + Rec.





RECEIVED  
JUL 18 1958

T. 25 R. 31  
County Phillips

STATE ENGINEER  
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

	25	
		X

Owner: Edwin Johnston Address: Malta, Montana  
 Driller: E. C. Simpson Address: Malta, Montana  
 Date Started: November 21, 1945 Date Completed: December 20, 1945  
 Location: Sec. 25 T. 25 R. 31  $\frac{1}{4}$  sec. SE of SE

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

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other: \_\_\_\_\_

Casing: 640 ft. to 563 ft. Type screw joint Size 4 inch I.D.

Casing: 555 ft. to 730 ft. Type screw joint Size 3 inch I.D.

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 640-648 to ft. 654-730 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: drilled holes 5/16

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

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

Pumping water level: 90 feet at 11 gal. per min.

How tested: baller

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	3	brown clay
3	6	sand
6	55	sand gravel clay and rocks some water (strong)
55	170	bear paw shale
170	178	white rock layer
178	412	bear paw shale
412	415	rock layer
415	465	bear paw shale
465	470	tan sandy shale
470		rock layer r
470	485	tan shale
485		hard layer
485	490	tan shale
490	520	grey shale
520	524	brown shale
524	524	sandy grey shale
524	525	sandy tan shale
525	525	rock
525	528	blue shale
528	572	brown shale
572	581	sandstone
581	588	sandy blue shale
588	592	sandy brown shale
592	630	sandy blue shale
630	635	brown shale
635	640	sandy blue shale
640	648	sandstone
648	654	brown shale
654	680	sandstone with thin shale layers
680	730	brown sandstone with tan and brown shale layers

rod type pump installed with 90 feet pipe and rod above cylinder and 9 feet pipe below. sis of cylinder 2 3/4".

Misc # 14778

219426

State of Montana, }  
 County of Phillips, }  
 Filed for Record this 12<sup>th</sup> day  
 of January, A. D. 1958, at  
 o'clock P.M. and duly Recorded in book  
 Page \_\_\_\_\_ of \_\_\_\_\_  
 Joseph J. [Signature] County Recorder  
 Fee \$ 50  
 Return \_\_\_\_\_