

## GROUNDWATER INDEX

Page 1 of 1

County Yellowstone Twp. 45 Rge. 25E

[illegible]



868781

STATE OF MONTANA. } ss.  
County of Yellowstone.

This instrument was filed in my Office  
this SEP 30 1970 day of 19

at 8:42 o'clock 1 M.

MERRILL H. KLUNDT

Clerk & Recorder

By [Signature] Deputy

2a

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner SEVEN 7L BAR RANCH CO  
Address BILLINGS MONT

For Administrator's Use	
File	<u>8.6.8.7.8.0</u>
Date	<u>September 20, 1970</u>
By	<u>S. H. A. M.</u>
GW 1	

Date well started 8/22/70  
completed 8/26/70

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

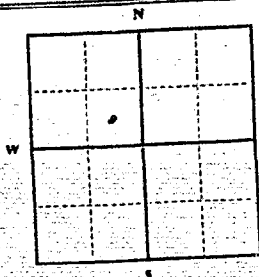
Equipment used CHURN (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>8"</u>	<u>5 1/2" 18"</u>	<u>0</u>	<u>132'</u>	<u>5/8" ID</u>	<u>60'</u>	<u>130'</u>



N 1/4 Sec. 32  
T. 4 N R. 25 E  
S W

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

Driller's Signature Ray D. Paul  
Driller's Address 247 Noble  
Billings Mont

LICENSE NO. 170

County YELLOWSTONE

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
<u>0</u>	<u>8</u> SOIL
<u>8</u>	<u>20</u> SANDSTONE
<u>20</u>	<u>30</u> SHALE GREY
<u>30</u>	<u>65</u> SANDSTONE HARD
<u>65</u>	<u>70</u> SANDSTONE PORIS
<u>70</u>	<u>80</u> GREY SHALE
<u>80</u>	<u>100</u> SANDSTONE
<u>100</u>	<u>110</u> GREY SHALE
<u>110</u>	<u>125</u> SANDSTONE PORIS
<u>125</u>	<u>132</u> SHALE BLUE

132' Show exact depth of bottom

47577

868780

STATE OF MONTANA

County of Yellowstone

This instrument was filed in my office

this SEP 30 1970

at 8:40 o'clock A.M.

By J. E. H. KLUNDT  
County Clerk & Recorder

By W. H. H. H. H. H. Deputy

20

## GROUNDWATER INDEX

Page 1 of 1

County Yellowstone Twp. 45 Rge. 26E

[illegible]

File No. ....

DUPLICATE

T. 45 R. 26 E

County of Hill

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEER

DEC 3 1963

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

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner William Danner Address Payson, MontDriller C. E. McKeen Address Payson, Mont

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

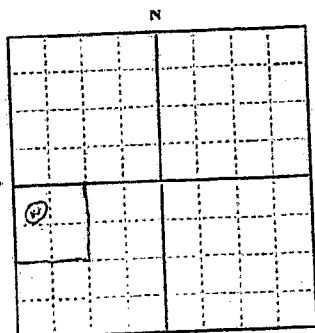
Date well started 9/9/63 Date Completed 9/11/63

Type of well drilled Equipment Used table drill  
(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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	42 lb 6" S.D.	+2'	21	4-14-5"	18'	21'



W 1/2 NW 1/4 Sec 23 T45 R26-E  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

21'  
Show exact depth of bottom.

Static Water Level for non-flowing Well 8' feet.

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

Pumping Water Level 10' feet at 32 gal. per minute.

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

How Tested Rating Length of Test 20 min

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) N.A.

Driller's License Number 36

Clyde E. McKeen  
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.

719173

STATE OF MONTANA,  
County of Yellowstone,

This instrument was filed in my office  
this DEC. 2 1963

at 11:12 o'clock A M.

Edmon S. Redding,  
County Clerk & Recorder

By Paul Deputy

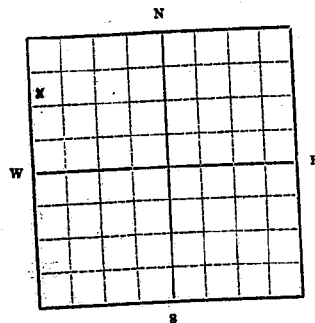
201

File No. \_\_\_\_\_  
STATE WATER CONSERVATION BOARD  
DUPLICATE

T. 4 S. R. 26 E.  
County Yellowstone

JAN 4 1966  
STATE OF MONTANA  
Bills \_\_\_\_\_ ADMINISTRATOR OF GROUNDWATER CODE  
Bills \_\_\_\_\_ OFFICE OF STATE ENGINEER  
Clerk \_\_\_\_\_  
Director \_\_\_\_\_  
Declaration of Vested Groundwater Rights  
(Under Chapter 21, Montana Session Laws, 1965)

1. L.H. Michaud of Prior Star Rt., Billings, Mont.  
(Name of Appropriator) (Address) (Town)  
County of Yellowstone State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 23, T. 4 S. R. 26 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. Household and lawn watering
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1945 continuous to date.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Lawn -
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Small electric water system.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Feb. 1, 1945; Feb. 20, 1945
8. The depth of water table. approx 12 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. Hand dug well, with 30" galvanized liner.
10. The estimated amount of groundwater withdrawn each year. 600,000 gal. per year
11. The log of formations encountered in the drilling of each well if available. UNKNOWN
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. NONE

Signature of Owner L.H. Michaud  
Date Dec. 31, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.  
Please answer all questions. If not applicable, so state, otherwise the form will be returned.  
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and  
Quadruplicate for the Appropriator.

46485

769345

Extradition was filed in my office

At 250 P.M.

County Clerk's Office

Guadalupe

GV-1

File No. ....

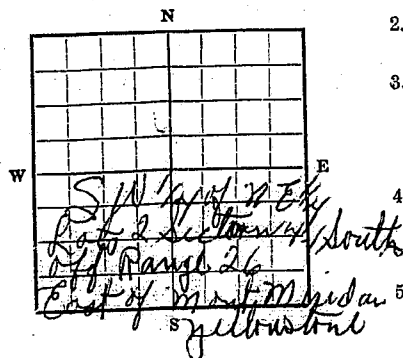
DUPLICATE

T. 41<sup>S</sup> R. 26<sup>E</sup>  
County YellowstoneSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
DEC 17 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. L. E. Bergoff, of 338 Clark Building  
(Name of Appropriator) (Address) (Town)County of \_\_\_\_\_ State of \_\_\_\_\_  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1/4 Sec. T. R.

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.2. The beneficial use on which the claim is based Waterdrom3. Date or approximate date of earliest beneficial use; and how continuous the use has been 19584. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 gallons5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 2 Acs6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1958 - 8 months8. The depth of water table 2 feet9. 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 1/2 inch pipe 17 ft10. The estimated amount of groundwater withdrawn each year 500 to 1000 gal11. The log of formations encountered in the drilling of each well if available Dug with auger

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 L. E. Bergoff

Date

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

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

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

9765

200

## GROUNDWATER INDEX

Page 1 of 1

County Yellowstone Twp. 45 Rge. 27E

[illegible]

File No. ....

T. 4S R. 27E., P.M., M.

DUPLICATE

County Yellowstone

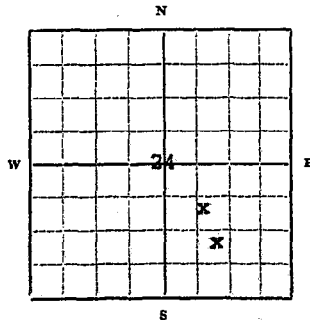
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 2 1964  
STATE ENGINEER

1. PRYOR LAND CO., a Montana Corporation of Pryor, Montana  
(Name of Appropriator) (Address) (Town)  
County of Yellowstone State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 24, T. 4S R. 27E., P.M., M.  
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 1955
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute per well
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 electrically operated pump system on each of the two wells
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater These wells were both drilled in 1955
8. The depth of water table 50 feet (both wells)
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 Both of the wells are in a six inch casing with the pump system immersed in the casing. They are both 50 feet deep.
10. The estimated amount of groundwater withdrawn each year 2,500,000 gallons a year from both wells.
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 Not applicable

PRYOR LAND CO.

Signature of Owner. By [Signature]  
Attorney in Fact

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 School of Mines and Quadruplicate for the Appropriator.

18516

721785

STATE OF MONTANA,  
County of Yellowstone,

This instrument was filed in my office

this 4-31-1968 day of April 1968,

at Bozeman in the County of Yellowstone, State of Montana.

I, James A. Paulsen,  
County Clerk & Recorder.

Paulsen  
2a Deputy

File No. ....

STATE WATER CONSERVATION BOARD

T. 4 S R 27 E  
County Yellowstone

DUPLICATE

MAY 24 1966

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

first 1 top soil

1-4 black brown shale

4-20 yellow clay

20-30 sand and gravel

30-32 coarse gravel

32-35 fine gray shale

Water flows from

gravelly material about

15 ft from surface

well has a flow

of 12 gals per min.

Owner Ernie Cardwell Address Prayer mont

Driller Adolph Hoening Address .....

Date of Notice of Appropriation of Groundwater May 6

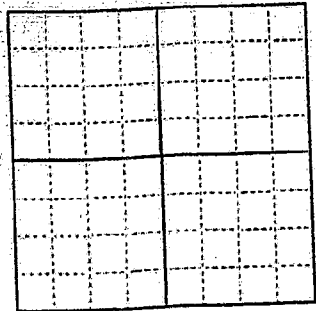
Date well started May 6 Date Completed May 6

Type of well drilled Equipment Used Cable Tool  
(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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 in	6 I.D.	Top				
	1 1/2 in	Top				
	drilled	4 ft				



..... 1/4 Sec. .... T. .... R. ....  
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 ..... feet.

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

Pumping Water Level 12 ft feet at 12 gal. per minute.

Discharge in gal. per min. of flowing well same

How Tested failer 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) .....

Driller's License Number

Adolph Hoening  
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.

41075

778929

STATE OF MONTANA,  
County of Yellowstone.

This instrument was filed in my office  
this \_\_\_\_\_ day of MAY 23, 1926

at 11:22 o'clock A.M.

James S. Redden,  
County Clerk & Recorder

By \_\_\_\_\_ Deputy

2.00

File No. ....

STATE WATER CONSERVATION BOARD

MAY 24 1966

T. 4 S. R. 27 E

DUPLICATE

Billie \_\_\_\_\_ McDermott  
Butzerin \_\_\_\_\_ McNulty  
Coyle \_\_\_\_\_  
Darlington \_\_\_\_\_ Sullivan  
Dickert \_\_\_\_\_  
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

County Yellowstone

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

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

Elev. above sea level prgs

1st Top Soil

6-6 Brown shale

1-14 yellow clay

1-1/2 gravel

1-6 sand and clay

2-7 gravel

well has a flow

of 10 gals per min

water level at 12

ft from surface

Owner Ernie Cardwell Address prgs

Driller Adolph Hanning Address prgs

Date of Notice of Appropriation of Groundwater may 17-66

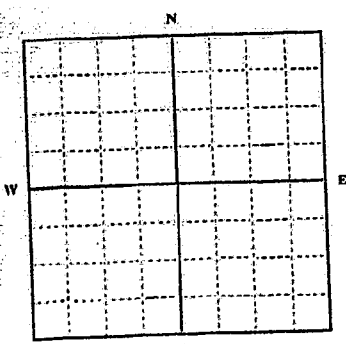
Date well started May 16 Date Completed 17

Type of well \_\_\_\_\_ Equipment Used \_\_\_\_\_  
(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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 I.D.	18 1/4	from	to	6 I.D.	none	=
Used	Standard	type				
Casing						



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 \_\_\_\_\_ feet.

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

Pumping Water Level 11 ft feet at 10 gal. per minute.

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

How Tested flow Length of Test 2 1/2

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) \_\_\_\_\_

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.

41076

778930

STATE OF MONTANA,  
County of Yellowstone.

This instrument was filed in my office  
this MAY 23 day of 1966.

at 11 o'clock A.M.

By [Signature] Deputy  
County Clerk & Recorder

2.00

File No. ....

T. 48 R. 27E

DUPLICATE

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER  
JAN 2 1964

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Robert B. Fraser Jr. Address Box 1352 BillingsDriller FRASER LAND & LIVESTOCK Address .....

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

Date well started 11/1/63 Date Completed work in progress

Type of well driven Equipment Used farm  
(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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
	<u>2 1/2"</u>	<u>ground level</u>	<u>50'</u>	<u>1/2"</u>	<u>41p</u>	<u>35'</u>

Static Water Level for non-flowing Well 20' feet.

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

Pumping Water Level .....

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

How Tested .....

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

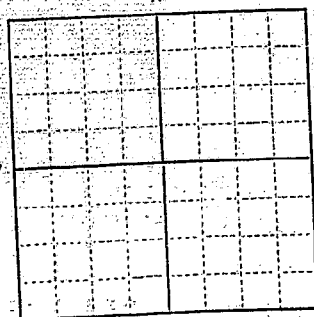
acres irrigated, if used for irrigation) .....

none irrigatednone

Driller's License Number .....

FRASER LAND & LIVESTOCK CO INCDriller's Signature R.B. Fraser

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



1/4 Sec. 6 T. 48 R. 27E  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

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.

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.

18466

721734

STATE OF MONTANA,  
County of Yellowstone,

This instrument was filed in my office

this DEC 31 day of 1913

at 3:40 o'clock P.M.

Edmon S. Rodding,  
County Clerk & Recorder

By [Signature] Deputy

208

File No. ....

T. 4 S. R. 27 E., P.M., M.

DUPLICATE

County Yellowstone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

D  
R

JAN 2 1964

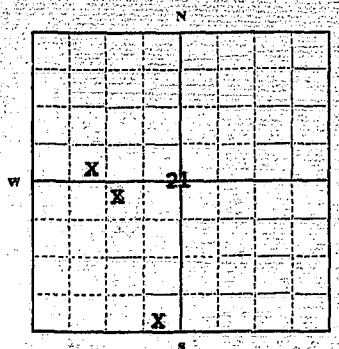
Notice of Completion of Groundwater Appropriation  
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater May, 1955Owner LAWRENCE L. SCHAAK and WILLIAM A. SCHAAKAddress 2414 Spruce  
Billings, MontanaContractor (if any) NoneAddress of Contractor NoneDate Started May 1955 Date Completed May 1955

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



W. 1/4 Sec. 21 T. 4 S. R. 27 E.

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

All of the springs flow naturally the year around. .1 cu. foot per second is estimated to be the flow developed and used as stock water and for irrigation from each spring.

Signature of Owner Lawrence L. Schack William A. SchackDate December 20, 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.

18575

721844

STATE OF MONTANA, )  
County of Yellowstone, ) ss.

This instrument was presented to my office

this 29 day of July 1963

at 5:29 o'clock P. M.  
Eugene S. Redding  
County Clerk & Recorder

By [Signature] Deputy  
E. J. O.