

County CascadeTwp. 12NRge. 4E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Kavilla, Mike	Well log	—	
2	Lyman Ranch	GW 3	3992	
3	Bail, Robert S.	3	3631	
4	Lyman E. & Evelyn A.	3	4637	
5	Castel, Helen L. Pierre & Hamilton C. Pierce	4	4507	
6	Mission Const. Co.	2	4783	
6	Page, Dudley H.	3	3645	
7	Elesperu, Peter	3	4195	
7	" "	4	4196	
7	Young, Charles	4	3616	
7	" "	3	4119	
7	" "	3	3615	
8	Johnson, Dan L. & Otto E.	3	4222	
9	Gillespie, Thomas L.	3	4083	
9	" "	3	4085	
9	" "	4	4084	
9	" , Tom	2	3102	
10	Frantzich, Ludwig	4	4000	
10	" "	3	4001	
11	Lyman Ranch	3	3990	
12	Franklin, Thomas	2	5034	
12	Jakeway, Alfred J.	4	MISC. 3064	
12	KuJala, Richard	2	5017	
12	Lyman Ranch	3	3991	
12	Lyman, Evelyn A.	2	5032	
13	Frantzich, Casper & Hilde	3	4003	
13	Mapston, Albert & Elizabeth	4	3749	
13	Jarvis, John H.	3	—	
13	Tuomi, Arthur A.	4	4893	
14	Frantzich, Casper & Hilde	3	4005	
14	" "	4	4004	
14	Hedman, Elmer J.	4	4250	
14	Papas, Nick & Mary	4	4202	
14	Sand Co. Lee Water Users Ass'n.	4	—	
15	Frantzich, Charles L.	4	4002	
16	Knap, Sarah & Harry J.	4	3572	
16	" "	3	3573	
17	Custer, Everett W.	2	5146	
17/20	Dutt, Gordon A.	4	3455	
17	Jarvis, John H. & Hilje L.	3	3357	
27	Guthrie, Murray M.	4	3435	
27	" "	4	3436	
28	Jarvis, John H.	3	—	
28	Konesky, Sr., George	4	4639	

## GROUNDWATER INDEX

Page \_\_\_\_\_ of \_\_\_\_\_

County Cascade

Twp. 19N

Rge. 11E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
28	Kanesky Sr., George	GW 3	4690	
30	Clark, Dan	2	5499	
30	Jacob, M. (estate)	4	4390	
30	" "	4	4394	
30	" "	3	4395	
36	Frantzich, Barbara	3	3473	
36	" "	4	3474	
36	Hlasner, Robert T.	4	—	
36	Stackett Water Supply Co.	4	4581	
?	Frantzich, Anna	4	3965	
7	" , Joseph	well log	—	
-	Kavulla, Peter	" "	—	

19th section  
T. 18 N. R. 4 E  
County Cascade

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Mike Kanelled Address Land Lake Court  
Driller E. L. Flood Address St. Mary, Montana  
Date Started June 15, 1955 Date Completed June 20, 1955  
Location: Sec. 1 T. 18 N. R. 4 E 1/4 sec.

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

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

Casing: 0 ft. to 130 ft. Type iron Size 7 in  
Casing: 130 ft. to 170 ft. Type solid rock 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: 36 feet.

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

Pumping water level: 36 feet at 25 gal. per min.

How tested: with bailer

Length of test: 10 min

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

Casing from top to 130 ft with  
7 in iron casing then 6 in drilled  
hole 40 ft in solid rock

(over)

### Log of Well

[illegible]

GW 3

File No. ....

DUPLICATE

T. 19 R. 4E

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964  
STATE ENGINEER

**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1957

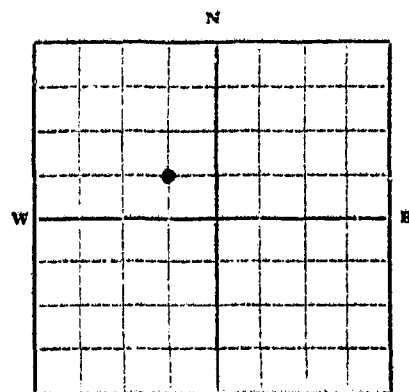
Owner Lyman Ranch Address Route 1, Grant Falls, Mont.

Contractor (if any) .....

Address of Contractor .....

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

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



1/4  
SE 1/4 Sec 2 T. 19 R. 4E

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 .....

Approximately four million gallons of water is pumped every year. It is used for household purposes, irrigation of garden plot and livestock.

Signature of Owner.....

Lyman Ranch  
President

Date December 30, 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.

27977

3992

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

**DEC 30 1963**

Date

at 7:56 o'clock A M.

**J. L. LENNON**

County Clerk and Recorder.

By [Signature]  
Deputy

GW3

File No. 1

DUPLICATE

T. 19 R. 4 E

County Cascade

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 27 1963

**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec 20-63

Owner Robert S. Ball Address P.O. Box 91 Fallmont

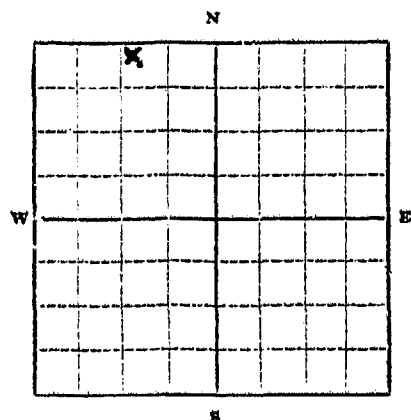
Contractor (if any) \_\_\_\_\_

Address of Contractor \_\_\_\_\_

Date Started 1890 Date Completed 1890

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

To buildings



NW 1/4 Sec. 3 T. 19 R. 4 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 \_\_\_\_\_

1 gal per minute from  
pipe gravity flow

Signature of Owner Robert S. Ball

Date Dec 20-63

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.

3631

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within instrument was filed in this office on  
DEC 20 1968

Date  
at 1:46 o'clock P.M.

J. L. LENNON

County Clerk and Recorder.

By [Signature]  
Deputy.



File No. ....

T. ... R. ...

DUPLICATE

County .....

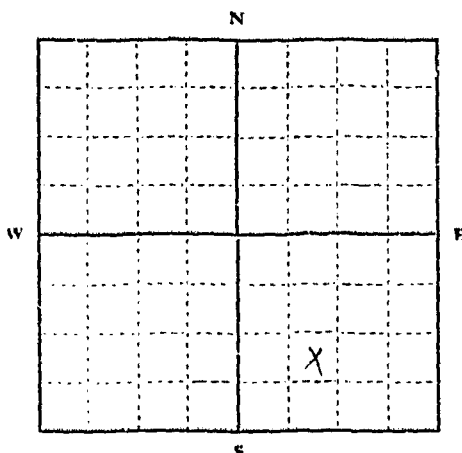
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 7 1964

### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Herman B. Woods of Mullan Pt Great Falls  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW  $\frac{1}{4}$  SE Sec. 33 T. 19 R. 3 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 for house hold & live stock use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been March 1944

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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 from

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March 1944

8. The depth of water table 123 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 drill well 6 in hole

10. The estimated amount of groundwater withdrawn each year about 7,000 gal per year

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

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

Herman B. Woods  
Date December 31st 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.

28290

4034  
4301

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on  
DEC 31 1963.

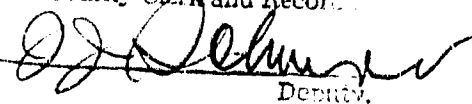
Date

at 10:42 o'clock

J. L. LENNON

County Clerk and Recorder

By

  
Deputy.

File No. ....

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

DUPLICATE

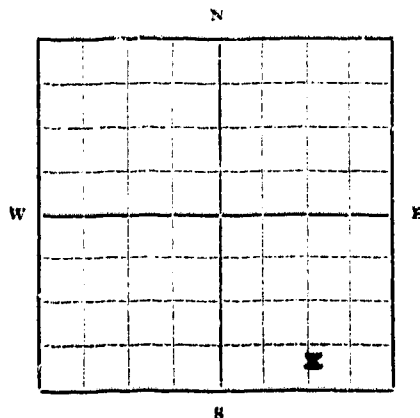
County. ....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. Herman B. Woods of Millegan Rte Great Falls, Montana  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW1/4 Sec. 33 T19 R3E

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 From 1950 continuous through intervening years.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump operated by Jack electric powered, located on the surface.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March 1950
8. The depth of water table 123 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 six inch drilled well in casing 130 feet
10. The estimated amount of groundwater withdrawn each year 146000 gallons per year
11. The log of formations encountered in the drilling of each well if available Sandrock
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 Herman B. Woods

Date March 7, 1962

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.

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on  
MAR 7 - 1862

Date

at 4:05 o'clock P.M.

J. L. LENNON

County Clerk and Recorder.

By

H. C. Fidal  
Deputy.

File No. ....

T. 12 N. R. 4 E

DUPLICATE

County  Cascade 

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 9 1964

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Jan 1 1948Owner Ellridge Lyman Address Sand Creek, MontContractor (if any) NoneAddress of Contractor Not ApplicableDate Started Not Applicable Date Completed Not Applicable

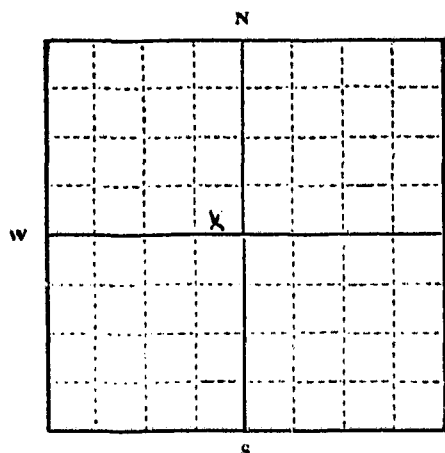
Describe means of obtaining groundwater without a well "as by  
sub-irrigation and other natural processes". Include depth to  
water when applicable.

Flowing Spring

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.

Estimated flow 10 gal per minute  
varying with the season. Used for  
stock water, about 9 months of the  
year

Signature of Owner Ellridge LymanDate Dec 17 1963

NW 1/4 Sec. 4 T. 12 N. R. 4 E  
Indicate point of appropriation  
and place of use, if possible.

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.

28622

4637

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on  
DEC 31 1963

at 4:58<sup>PM</sup> o'clock M.

**J. L. LENNON**

County Clerk and Recorder.

By H. Fugitt  
Deputy.

File No.

T

R

DUPLICATE

County

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 9 1964

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Helen L. Pierce Casteel

3508 13th Avenue South and

Hamilton C. Pierce

of 201 515 9th Avenue South

(Name of Appropriator)

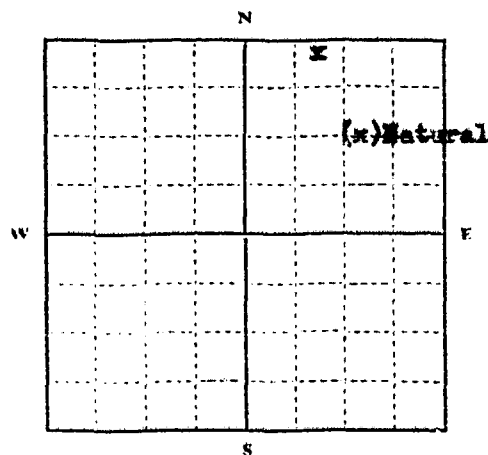
(Address)

(Town)

County of Cascade

State of Montana

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



NE 1/4 Sec. 5 T. 19 R. 4E + Lots 1 & 2

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 manufacture of fire brick and irrigation and livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Approx. 1890. Unknown.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). All groundwater encompassed by area described.

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. Irrigation prior to 1930 - area unknown.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Well located per graph. Mechanical pump, and natural springs.

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

8. The depth of water table. Unknown.

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

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

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 known.

Signature of Owner

*Helen L. Pierce Casteel*  
*Hamilton C. Pierce*

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.

28494

4507

CLERK AND RECORDER  
CASCADE COUNTY MONTANA  
I HEREBY CERTIFY THAT THE WITHIN  
INSTRUMENT WAS FILED FOR RECORD  
IN THIS OFFICE ON  
DEC 31 1963  
AT 2:17 PM  
AND DULY RECORDED AS DOCUMENT  
NO.  
J. L. LENNON  
CLERK AND RECORDER  
BY [Signature] DEPUTY



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

T. H. R. 6

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

AUG 31 1964

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: \_\_\_\_\_ Address: \_\_\_\_\_

Driller: \_\_\_\_\_ Address: \_\_\_\_\_

Date of Notice of Appropriation of Groundwater: \_\_\_\_\_

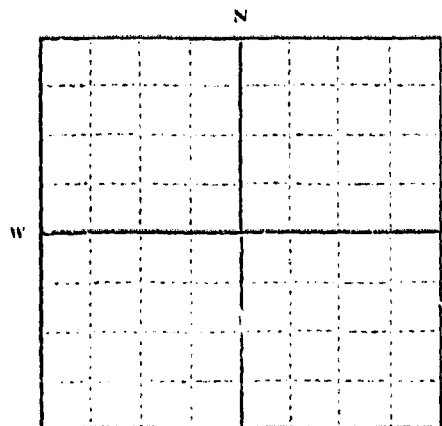
Date well started: 7-23-64 Date Completed: 8-22-64

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.

Top of Ground (Elev. above sea level _____)	
0	Top soil 1'
10	Shale Rock 15'
20	Hard shale 25'
30	Sandstone 32'
40	Gray shale 37'
50	Red Rock 50'
60	90' shale
70	lime
80	shells
90	↓ 97'
100	Sandstone 106' water 150' m.
110	gray lime
120	pink, gray,
130	- green
140	shale 147'
150	sand 152' water 150' m.
160	shale sect. 160' T.D.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4"	7 1/2" 17 lb. casing	0'	36'			
6 5/8"	not cased	36'	100'			



Section 6 T. 12 N. R. 1 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: \_\_\_\_\_ feet.

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

Pumping Water Level: 152' feet at \_\_\_\_\_ gal. per minute.

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

Flow Tested: 100' 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: 125

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.

384.4

4783

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on  
AUG 19 1964

Date  
at 8:30 o'clock A.M.

J. L. LENNON

County Clerk and Recorder.

By

*B. Kus*

Deputy.

13  
File No. 1000000000

Approved Stock Form—State Publishing Co., Helena, Montana—38496

T. 19 N. R. 4 E

DUPLICATE

County Cascade

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater August 25, 1967  
61 Evergreen Drive,

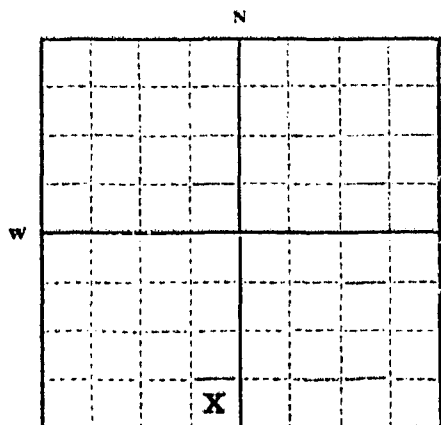
Owner Dudley H. Page Address Gt. Falls, Montana.

Contractor (if any) None

Address of Contractor N/A

Date Started N/A Date Completed N/A

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Utilization of outflow of spring on southern portion of appropriator's land, and collection of this flow by means of a dam in runoff area. Utilization from the dam will be by pump as required.



E 1/4 SE 1/4 SW 1/4 and W 1/4 SW 1/4 SE 1/4  
Sec. 6 T. 19 N. R. 4 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. Estimate approximately 400 gallons per day for household and domestic use; during dry season additional 3,000 gallons per day for irrigation about household and otherwise.

Signature of Owner Dudley H. Page

Date September 25, 1967

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.

42369

5045

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

SEP 29 1967

Date

at 4:31 o'clock P.M

**J. L. LENNON**

County Clerk and Recorder

By

*RE Baber*

Deputy

File No. ....

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

DUPLICATE

County. ....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 9 1964

Notice of Completion of Groundwater Appropriation  
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater..... 1948

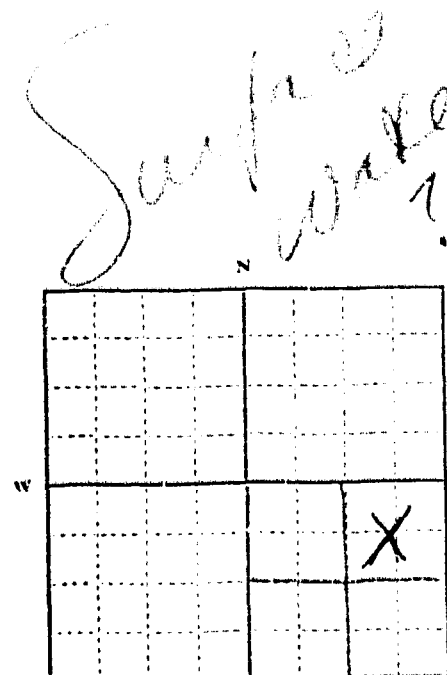
Owner..... Peter Klepura..... Address..... Eden Route, Grt. Falls

Contractor (if any) ..... Peter Klepura

Address of Contractor ..... Eden Route, Great Falls, Mont.

Date Started..... 1950..... Date Completed..... 1950

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable..... Dig a hole in the ground like a reservoir.



1/4 Sec. 7 T. 1 N. R. 1 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.....

..... May to October of each year.

Signature of Owner..... Peter Klepura

Date..... 12/30/50

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.

4195

8:00 9

H. C. Michael

File No. ....

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

DUPLICATE

County. ....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

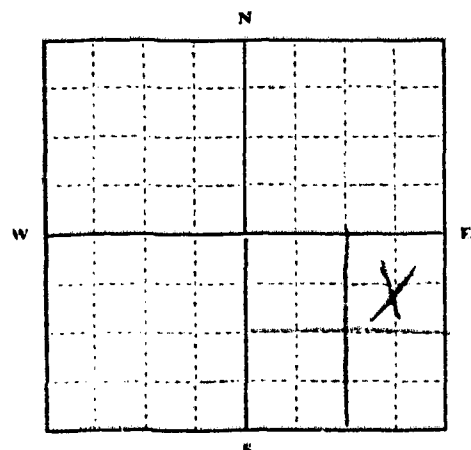
RECEIVED  
JAN 9 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Peter Klespura , of Elgin Route, Great Falls, Mont  
(Name of Appropriator) (Address) (Town)

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



~~1/4~~ Sec. 7 T. 2 R. 2

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 Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....  
1948 - ever since

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

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.....  
150' deep

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.....  
Deep Well, 6" hole, 150' deep

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

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

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 Pete Klespura

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.

28124

4196

CLERK OF THE COURT  
JAMES H. HARRIS  
JAN 10 1901  
IN CLERK'S OFFICE  
AT 8:01  
AND 0000  
NO  
BY *H. C. Harris*



File No. ....

T19N R4E

DUPLICATE

County Cascade

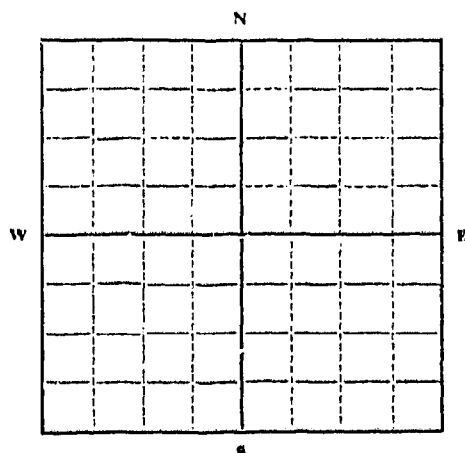
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
DEC 20 1963

1. Charles Young, of Milligan Route, Great Falls, STATE ENGINEER  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 7 T19N R4E

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 con-  
tinuous the use has been.....  
Continuous use since 1933
4. The amount of groundwater claimed (in miner's inches or gallons  
per minute).....sufficient to water head of  
cattle (approximately)
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.....  
By means of a pump
7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater.....1933
8. The depth of water table.....about 12 feet from top of well
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.....the well is approximately 15 feet deep.
10. The estimated amount of groundwater withdrawn each year.....sufficient for cattle watering.
11. The log of formations encountered in the drilling of each well if available.....  
.....  
.....
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record.....  
.....  
.....

Signature of Owner Charles Young  
Date December 17, 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 Quaduplicate for the Appropriator.

10689

3616

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

DEC 19 1912

Date

at 1:21 o'clock P. M.

J. L. LENNON

County Clerk and Recorder.

By

*[Signature]*

File No. ....

T. R. R. No. ....

DUPLICATE

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

R  
JAN 9 1964

**Notice of Completion of Groundwater Appropriation  
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1897  
Owner Charles Young Address Milligan Route  
Great Falls, Montana  
Contractor (if any) None  
Address of Contractor None  
Date Started ..... Date Completed .....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural Spring. Water appropriated by James D. Young in interest of present owner, in 1897. Appropriation by developing spring for stock watering.

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 continuous use

since 1897—Stock water. Spring runs 300 gallons

per hour year round.

Signature of Owner .....

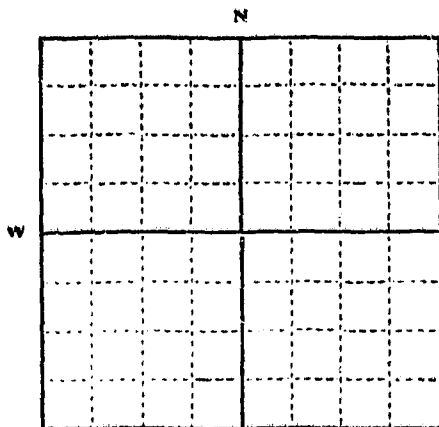
Date December 29, 1963.

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.



Lots 2&3-E83-N. 1/4 Sec. 7 T  
1/4 Sec. 198 R East

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

4119

CLERK AND RECORDS  
FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
WASHINGTON, D. C. 20535

DEC 10 1963

AT 7:14 P.  
AND BUREAU OF RECORDS

NO.

J. L. LEMMON  
CLERK AND RECORDS

BY

*[Signature]*

File No. ....

T. 19N. R. 4E.

DUPLICATE

County. Cascade

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 20 1963

Notice of Completion of Groundwater Appropriation  
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater. 1897  
Owner. Charles Young Address. Milligan Route  
Great Falls, Montana

Contractor (if any) none

Address of Contractor .....

Date Started. 1897 Date Completed. 1897

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

Young, predecessor in interest of present owner,

in 1897. Appropriation by developing spring for

stock watering and piping for garden, yard and

windbreak.

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.....

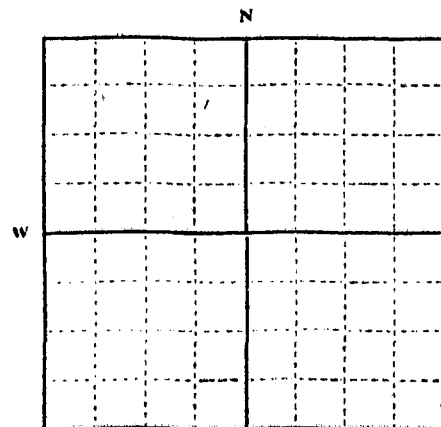
Continuous use since 1897, for stock water,

irrigation of garden, yard, windbreak and

household purposes.

Signature of Owner Charles Young

Date. December 17, 1963



Lot 1.

~~xxxxxx~~ Sec. 7 T. 19N. R. 4E.

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

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; Triuplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

3615

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

DEC 19 1963

Date

at 1:20 o'clock P. M.

**J. L. LENNON**

County Clerk and Recorder.

By [Signature]  
Deputy.

GW 3

File No. ....

DUPLICATE

T. 17 R. 4 E

County. CASCADE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 9 1964  
STATE ENGINEER

**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater .....

OTTO E JOHNSON

Owner. OTTO E JOHNSON Address. SAND CREEK

Contractor (if any) .....

Address of Contractor .....

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

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

NATURAL SPRING FLOW

UNABLE TO DETERMINE

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 .....

NATURAL SPRING FLOW FOR STOCK

WATER

UNABLE TO DETERMINE

Signature of Owner. OTTO E JOHNSON

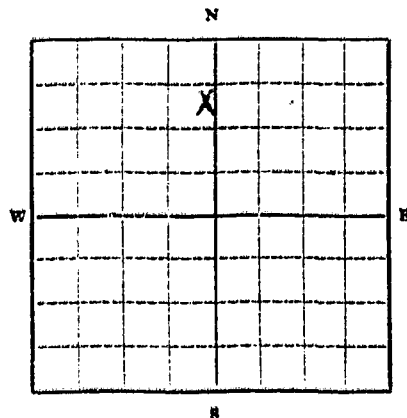
Date. DEC 26, 1963

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.



N.W. 1/4 NW Sec. 2 T. 15 R. 4 E

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

4222

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on  
DEC-31 1963

at 8<sup>26</sup> <sup>Date</sup> o'clock M.

J. L. LENNON  
County Clerk and Recorder.

By J. J. [Signature]  
Deputy.



GW 3

File No. ....

DUPLICATE

T. 19N R. 4E

County Cascade

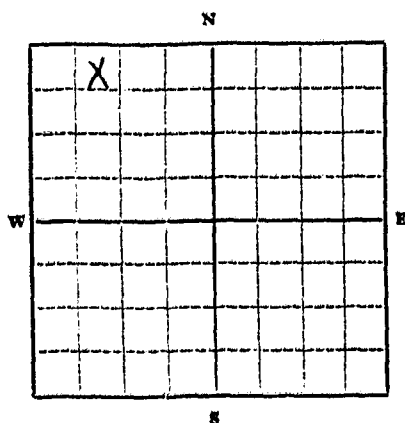
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 9 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater About 1960  
Owner Thomas L. Gilligan Address Rt. 1 S. Great Falls, Mont  
Contractor (if any) .....  
Address of Contractor .....  
Date Started ..... Date Completed .....



NE 1/4 Sec. 9 T. 19N R. 4E  
Indicate point of appropriation and place of use, if possible.

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

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 about  
4 gal. per minute

Signature of Owner Thomas L. Gilligan  
Date Dec. 29, 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.

4083

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

DEC 30 1963

at 7:37 <sup>Date</sup> o'clock P M.

**J. L. LENNON**  
County Clerk and Recorder.

By [Signature] Deputy.

GW 3

File No. ....

DUPLICATE

T. 19 N. R. 4 E.

County Cascade

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater July 1<sup>st</sup> 1961

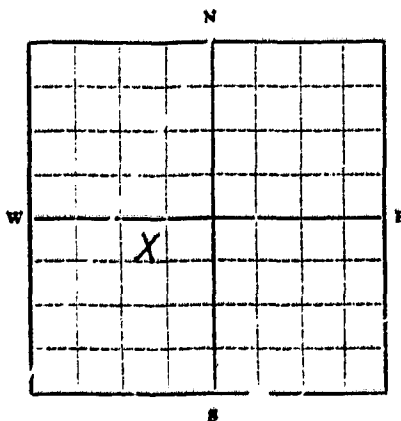
Owner Thomas L. Bullock Address Route 18, Ft. Falls, Mont.

Contractor (if any) .....

Address of Contractor .....

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

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



NE 1/4 SW Sec. 9 T. 19 N. R. 4 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

Reserve - year around use in normal moisture year with spring

Signature of Owner Thomas L. Bullock

Date Dec 29, 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.

4005

STATE OF MONTANA  
County of Cascade

I hereby certify that the foregoing instrument was filed in the office of the

REC 30 1906

Date

1-39

J. L. NEWMAN

County Clerk of Cascade

By

Deputy

File No. ....

T. 19N R. 4E

DUPLICATE

County Cascade

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

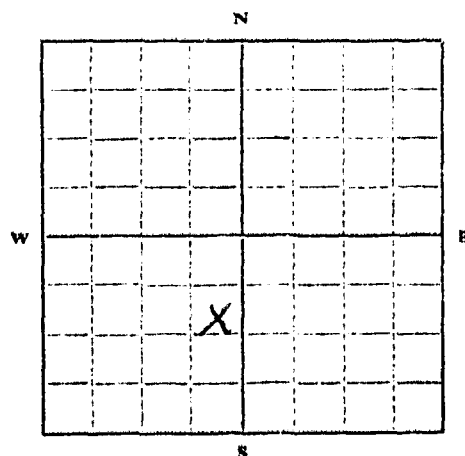
RECEIVED  
JAN 9 1964

### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Thomas L. Gillespie, of Route 1 South Great Falls  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SW Sec. 9 T. 19N R. 4E

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

2. The beneficial use on which the claim is based. household  
use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. about 1952  
continuously used since
4. The amount of groundwater claimed (in miner's inches or gallons per minute). about 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.  
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. about 1952
8. The depth of water table. ? 180 feet (total depth)
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. well - drilled, 180 ft.
10. The estimated amount of groundwater withdrawn each year. 100 gal. a day
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 Thomas L. GillespieDate Dec. 29, 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.

28069

4084

STATE OF MONTANA, } ss.  
County of Cascade  
I, Clerk of the County, do hereby certify that the within and  
above described instrument was filed in this office on  
DEC 30 1963  
1:38 o'clock P.M.  
J. L. KEANON  
County Clerk and Recorder.  
Deputy.

File No. ....

T 19N R 4E

DUPLICATE

County Cascade

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.....)

0 to 5' Sandstone  
5 to 9' Clay  
9 to 12' Sandstone  
12 to 15' Shalerock  
15 to 21' Clay  
21 to 41' Sandstone  
41 to 45' Shalerock  
45 to 48' Sandstone  
48 to 65' Shalerock  
65 to 68' Limestone  
68 to 132' Sandstone  
132 to 177' Shalerock  
177 to 179' Sandstone  
179 to 258' Shalerock  
258 to 267' Limestone & Quartzite  
267 to 285' Limestone  
285 to 286' Cavity  
286 to 308' Limestone  
308 to 309' Cavity  
309 to 336' Limestone & brown Sandstone  
336 to 339' Cavity  
339 to 403' Limestone & brown Sandstone

Owner Tom Gillespie Address Rte. 1, So. Great Falls

Driller Soemichsen Drilling Co. Address 2300-13th St. So. Great Falls, Montana

Date of Notice of Appropriation of Groundwater none

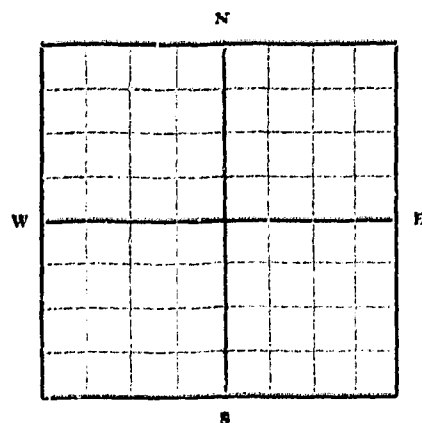
Date well started Nov. 14, 1961 Date Completed Feb. 5, 1962

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

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

Indicate on the diagram the character and thickness of the different strata 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 1/4"	4 1/2" O.D.	0	360'	Torch 1/8"	96'	147'



NE 1/4 SW Sec. 9 T19N R4E

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 100 feet.

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

Pumping Water Level 350 feet at 3 gal. per minute.

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

How Tested Boiler Length of Test 1 hour

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) .....

Cemented around casing from 147 to 360'

License No. 51  
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 the Appropriator.

# 3102

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within instrument was filed in this office on

APR 25 1962

Date

at 9:30 o'clock A.M.

J. L. LENNON

County Clerk and Recorder.

By B. B. B. Deputy.



File No.

DUPLICATE

T 19N R 4E

County Cascade

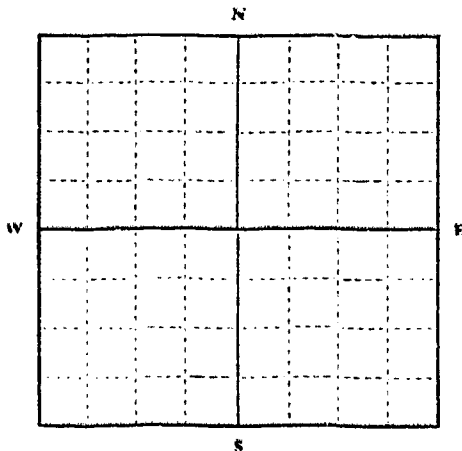
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964  
STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ludwig Frantjek, of Sand Coulee  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N 1/4 Sec 10 T 19N R 4E

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 spraying weeds and possibly water cattle
3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 1956 to spray weeds intermittent use in summer
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 N/A
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 3 in pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 9/10/60
8. The depth of water table 15 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Hand dug - Cribbed with sand rock. 4 ft. or diameter 30 ft. deep
10. The estimated amount of groundwater withdrawn each year 10,000 gal
11. The log of formations encountered in the drilling of each well if available N/A
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 N/A

Signature of Owner Ludwig Frantjek

Date Dec 15, 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.

27985

4000

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

DEC 30 1963  
Date

at 11:00 o'clock AM.

**J. L. LENNON**

County Clerk and Recorder.

By [Signature]  
Deputy.

GW 3

File No. ....

DUPLICATE

T. 17N R. 4E  
County Cascade

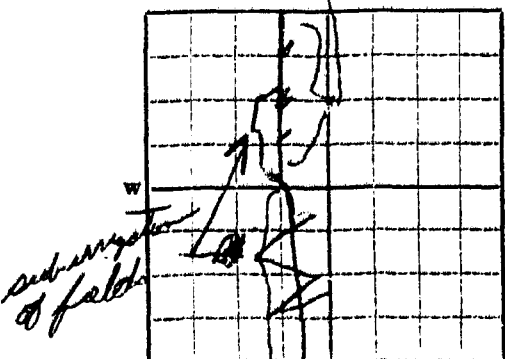
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

area of appropriation  
of spring water for cattle



subirrigation  
of fields

Date of Appropriation of Groundwater 1956  
Owner Ludwig Frantzi Address Sand Coulee Mont.  
Contractor (if any) NONE  
Address of Contractor NONE  
Date Started N/A Date Completed N/A

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. approximately 10 acres of land subirrigated in NW 1/4 Sec 10 T19N R4E  
Spring in NW 1/4 Sec 10 T19N R4E supply water for cattle.

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

NW 1/4 Sec 10 T19N R4E  
Indicate point of appropriation and place of use, if possible.

spring  
run about a 3 in pipe - spring is used  
for 2 months at a time when cattle are pastured  
on the place. Subirrigated land  
is used to raise grain.

Signature of Owner Ludwig Frantzi  
Date .....

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.

27986

4001

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on  
DEC 30 1962

at 11:11 o'clock A M.

**J. L. LENNON**  
County Clerk and Recorder.

By [Signature] Deputy.

File No. ....

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

DUPLICATE

County.....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 9 1964  
STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater..... 1925.

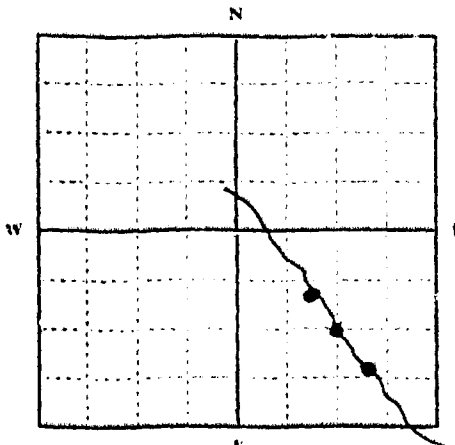
Owner... Lynan Ranch ..... Address... Route 1, Great Falls, Mont.

Contractor (if any) .....

Address of Contractor .....

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Three springs from which water flows by gravity into stock tanks.



1/4  
NW 1/4 Sec. 11, T. 19 R. 4E  
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.....

An estimated 500 gallons per hour flows from each of the springs. This water is used for livestock during the summer pasturing season.

Signature of Owner... Lynan Ranch  
President

Date... December 30, 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.

27975

3990

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

DEC 30 1969

Date

at 10:56 o'clock A M.

**J. L. LENNON**

County Clerk and Recorder.

By [Signature]  
Deputy.

File No. ....

RECEIVED

T. 19 N. R. 4 E

DUPLICATE

AUG 3 1967

County CascadeSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

CORRECTED

Top of Ground

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

**OWNERS:** RICHARD KUJALA and LOUISE M. KUJALA, husband and wife, as joint tenants with right of survivorship, Sand Coulee, Montana; DAVID W. MAPSTON and JOANN M. MAPSTON, husband and wife, with right of survivorship, Sand Coulee, Montana.

Owner

Address

Thomas Franklin Address Great Falls, MontanaDate of Notice of Appropriation of Groundwater June 25, 1964

**NOTE:** This corrected notice is made and filed to show the undivided one-half interest belonging to the Mapstons and to correct a notice verified March 25, 1967 and filed with the Cascade County Clerk and Recorder April 10, 1967 at 4:55 o'clock P.M.

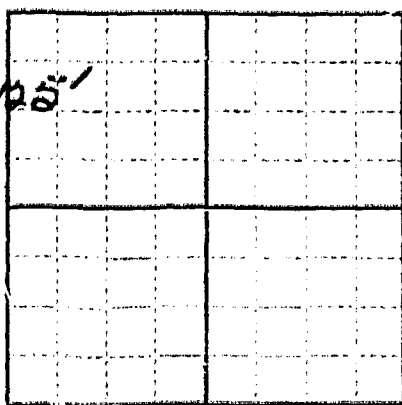
Date well started June 27, 1964 Date Completed July 3, 1964

Type of well drilled & driven Equipment Used cable tools  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 1/2 in.	6 1/2" I.D. 20 lbs. per foot	top	147 ft.	none	none	none



NE 1/4 Sec. 12 T. 19 N. R. 4 E

Indicate location of well and place of use, if possible. Each small square represents 30 acres.

Show exact depth of bottom.

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

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

Pumping Water Level 135 feet at 30 gal. per minute.Discharge in gal. per min. of flowing well noneHow Tested Bailer Length of Test 3 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)

Some irrigation, lawn, trees, shrubs84  
Driller's License Number

Thomas B. Franklin  
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.

42,199

5034

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within instrument was filed in this office on

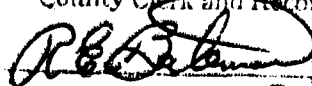
AUG 10 1967  
Date

3:30 o'clock P M

**J. L. LENNON**

County Clerk and Recorder

By



Deputy



ORIGINAL

RECEIVED

T. 19 N. R. 11 E. 12  
County

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

CORRECTED

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Elev. above sea level)

OWNERS:-- $\frac{1}{2}$  RICHARD KUJALA and LOUISE M. KUJALA, husband and wife, as joint tenants with right of survivorship, Sand Coulee, Montana;-- $\frac{1}{2}$  DAVID W. MAPSTON and JOANN M. MAPSTON, husband and wife, with right of survivorship, Sand Coulee, Montana.

Address

Thomas Franklin Address Great Falls, Montana

Date of Notice of Appropriation of Groundwater June 25, 1964

NOTE: This corrected notice is made and filed to show the undivided one-half interest belonging to the Mapstons and to correct a notice verified March 25, 1967 and filed with the Cascade County Clerk and Recorder April 10, 1967 at 4:55 o'clock P.M.

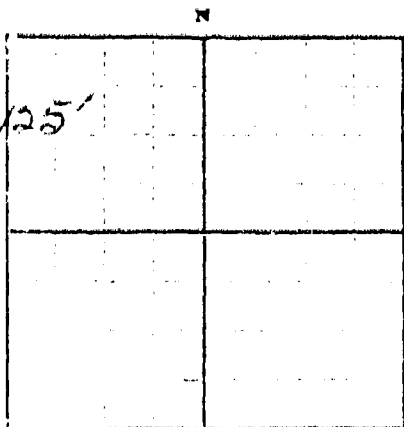
Date well started June 27, 1964 Date Completed July 3, 1964

Equipment Used cable tools  
(Churn, drill, rotary or other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 $\frac{1}{2}$ in.	6 $\frac{1}{2}$ " I.D. 20 lbs. per foot	top	147 ft.	none	none	none



NE, Sec. 12, T 19 N 14 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 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 135 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well none

How Tested Bailer Length of Test 3 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)

Some irrigation, lawn, trees, shrubs

84  
Driller's License Number

Thomas B. Franklin  
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.

One sent to the County Clerk and Recorder, one sent to the State Engineer, TriPLICATE to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriation.

5034

STATE OF MONTANA,  
County of Cascade.

Subscribed and sworn to before me at  
this office on

AUG 1 1907

at 3:30 P.M.

J. L. BENSON

*R. E. Bateman*  
Deputy

File No. ....

DUPLICATE

T 19N R 4E

County

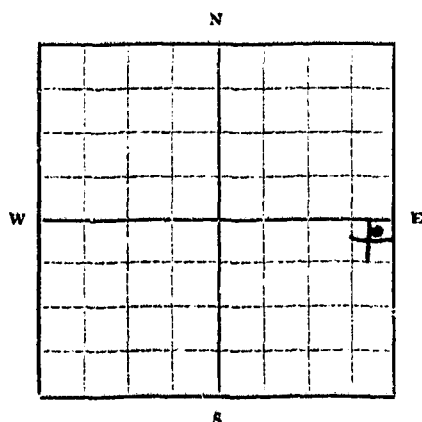
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. **ALFRED J. JAKWAY** of **Tracy, Sand Coulee**  
(Name of Appropriator) (Address) (Town)  
County of **CASCADE** State of **MONTANA**  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



**NE $\frac{1}{4}$  of NE $\frac{1}{4}$  of SE $\frac{1}{4}$  of Sec. 12, T. 19N R. 4E.**

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 **is household, factory and shop use, and irrigation of lawns and crops.**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **June 9th. 1960 with successively continuing daily beneficial use.**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **Fifteen (15) 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 **approximately one-half (1/2) acre located in the NE $\frac{1}{4}$  of NE $\frac{1}{4}$  of SE $\frac{1}{4}$  of Sec. 12, T. 19N., R. 4E, also as Lots 3 and 4 and environs, Block 1, Townsite of Tracy Cascade County, Alfred J. and Jessie J. Jakway, owners.**
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **Jet electric pump. Well on Lot 4 of description in foregoing item 5. (plan to install submersible elec. pump, later.)**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **Commenced drilling August 5th. 1959 and made completion June 9th. 1960.**
8. The depth of water table **is 42 feet rising to 39 feet after breakthrough of cap formation.**
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 with 4-inch casing 49 feet deep.**
10. The estimated amount of groundwater withdrawn each year **Six hundred thousand (600,000) gallons.**
11. The log of formations encountered in the drilling of each well if available **Top 15 ft. is gumbo. Next 21 ft. is red clay, then 6 feet gray shale like rock, and last 7 feet sand and gravel.**
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 **Book 286 page 621, book 288 page 273, book 295 page 79, and book 319 page 109, all of Deeds, office of Clerk and Recorder, Cascade County, Montana. Drilling was done by myself with borrowed equipment and help.**

Signature of Owner

*Alfred J. Jakway*  
Date **March 13th, 1962**

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.

Misc #3064

STATE OF MONTANA, }  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on  
MAR 27 1962

Date

at 12:55 o'clock P.M.

J. L. LENNON

County Clerk and Recorder.

By A. C. Nichols  
Deputy.

File No. ....

APR 12 1967

T. 146 R. 46

DUPLICATE

LOG

By \_\_\_\_\_ McDermott \_\_\_\_\_  
 B. \_\_\_\_\_ McNulty \_\_\_\_\_  
 C. \_\_\_\_\_ Morton \_\_\_\_\_  
 D. \_\_\_\_\_ Sullivan \_\_\_\_\_  
 E. \_\_\_\_\_ Dickert \_\_\_\_\_

County Cascade

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

STATE WATER CONSERVATION BOARD

Top of Ground

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

# Notice of Completion of Groundwater Appropriation by Means of Well

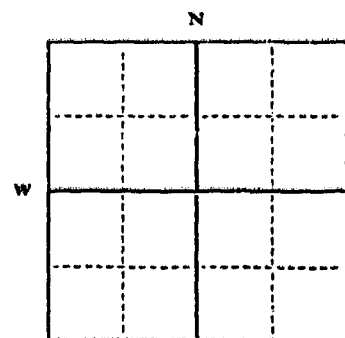
DEVELOPED AFTER JANUARY 1, 1962

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

Owner Richard Kufala Address Sand Coulee, Mont.Driller Thomas Franklin Address Great Falls, Mont.Date of Notice of appropriation of groundwater June 25, 1964Date well started June 27, 1964 Date completed July 3, 1964Type of well Drilled & driven Equipment used Cable tools  
(Dag, driven, bored or drilled) (Cable 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 1/2 in.	6 1/2" I.D. 20 lbs. per foot	top	147 ft.	None	None	None



Static Water Level for non-flowing well

.....feet.

Shut-in Pressure for Flowing Well NonePumping Water Level 135 feetat 30 gal. per minute.

Discharge in gal. per min. of flowing well

NoneHow Tested BailerLength of Test 2 hoursRemarks: (Gravel packing, cementing, packers, type of shutoff) None

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Some irrigating lawn, trees, shrubs

Show exact depth of bottom.

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

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

Driller's License Number

Thomas B. Franklin  
Driller's Signature.

41865

5017

STATE OF MONTANA } ss  
County of Cascade }

I hereby certify that the within in-  
strument was filed in this office on

APR 10 1967  
Date

4:55 o'clock P.M.

J. E. LERMON  
County Clerk and Recorder

By

H. C. Fisher  
Deputy

File No. ....

T. 19 R. 4E

DUPLICATE

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER COMMISSION  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... 1925

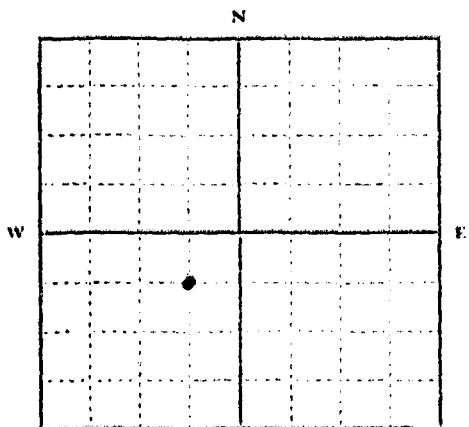
Owner... Lyman Ranch Address... Route 1, Great Falls, Mont.

Contractor (if any) .....

Address of Contractor .....

Date Started... Date Completed...

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. By gravity flow into a stock tank.



NE 1/4 Sec 12 T. 19. R. 4E  
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.....

The estimated flow is five hundred gallons per hour.

The water is used for livestock.

Signature of Owner... Lyman Ranch

President

Date... December 30, 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.

3991

STATE OF MONTANA, ss.  
County of Cascade.

I hereby certify that the within  
document was filed in this office on  
DEC 8 1932

at 10:47 o'clock AM  
**J. L. LENNON**  
County Clerk and Recorder.  
By B. J. [Signature]  
Deputy.



File No. ....

**RECEIVED**

T. 19 N. R. 4 E

DUPLICATE

AUG 14 1967

County Cascade

LOG

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

STATE WATER CONSERVATION BOARD

Top of Ground

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

**Notice of Completion of Groundwater  
Appropriation by Means of Well**  
DEVELOPED AFTER JANUARY 1, 1962

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

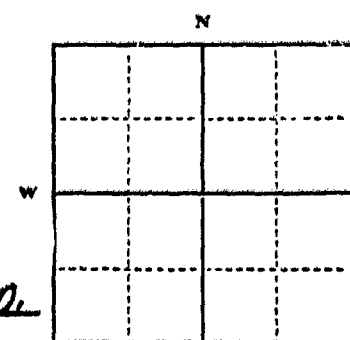
Owner Evelyn A. Lyman Address Sand Conlee, Mont.Driller Pat. Byrne Address St. Falls, Mont.

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

Date well started 6-22-1967 Date completed 6-26-1967Type of well Drilled Equipment used Churn drill  
(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)
8"	7" OD	0	60	NOT PERFORATED		
6-5/8"	5 1/2" OD	60	131	Torch	126	131
Cave catcher set at 126'						

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

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

Pumping Water Level..... 130 ..... feetat..... 15 ..... gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BailerLength of Test..... 1 hour

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

SE 1/4 Sec 12 T. 19 N. R. 4 E  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

~~135~~ 135  
Driller's License Number

Driller's Signature

42,301

5032

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

AUG 9 1967

Date

at 11:12 o'clock PM

**J. L. LENNON**

County Clerk and Recorder

By

*[Signature]*

Deputy

File No.

T. 19 N. R. 4 E.

ORIGINAL

County Cascade

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
STATE WATER CONSERVATION BOARD

Top of Ground

(Elev. above sea level)

**Notice of Completion of Groundwater  
Appropriation by Means of Well**  
DEVELOPED AFTER JANUARY 1, 1963

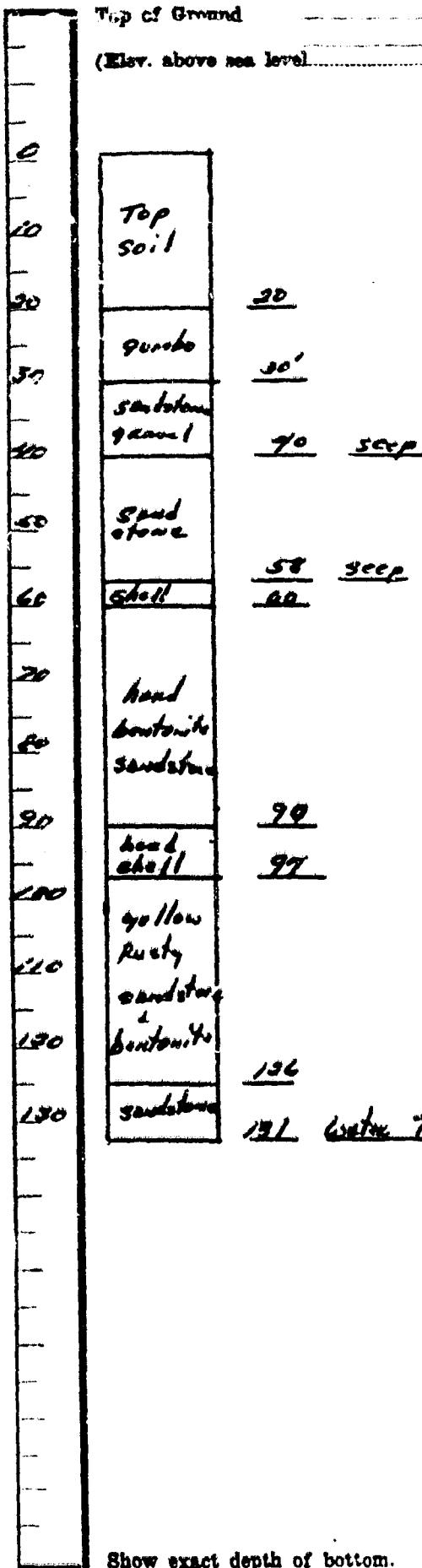
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner Evelyn A. Lyman Address Sand Canyon, Mont.Driller Pat. Byrne Address Gt. Falls, Mont.

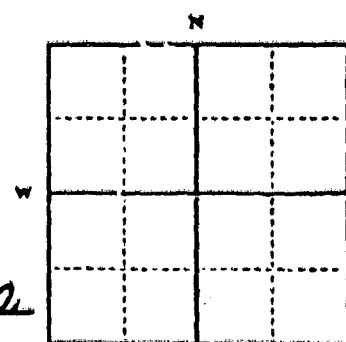
Date of Notice of appropriation of groundwater

Date well started 6-22-1967 Date completed 6-26-1967Type of well Drilled Equipment used Churn drill  
(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	From (Feet)	To (Feet)
8"	7" OD	0	60	NOT PERFORATED		
6-5/8"	5 1/2" OD	60	131	Torch	136	131
Cave catcher set at				126'		



SE 1/4 Sec. 12 T. 19 N. R. 4 E.  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 134 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 130 feetat 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BailerLength of Test 1 hour

Remarks: (Gravel packing, cementing, packers, type of shutoff)

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

135  
Driller's License Number

Pat. Byrne  
Driller's Signature

5032

RECEIVED  
JUL 20 1967

STATE OF MONTANA  
County of Cascade

I hereby certify that the within in-  
strument was filed in this office on

AUG 9 1967  
Date

at 11:12 o'clock A M

J. L. LENNON

County Clerk and Recorder

by R. E. Bateman  
Deputy