

1997

291858

I received and filed this instrument for record on the 5 day of June, 1970, at 8:04 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:

Veronica S. Cross County Recorder
 By Donella D. Rymur Deputy
 Fee \$2.00 Cash Paid

For a fee of \$2.00 per signature
 Recording Fee for 1970
 Recording Fee for 1970
 Recording Fee for 1970

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 15th R. 22nd west ²⁶
County Missoula

WATER WELL LOG

		X	X

Owner H.E. Jones Address Frenchtown, Montana
 Driller Glenn Camp, 705 Alder Address Missoula, Montana
 Date Started June 11, 1960 Date Completed June 23, 1960
 Location: Sec. 26 T. 15^N R. 22^W $\frac{1}{4}$ sec.

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

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

Casing: 6" above ground level 120'-6" ft. to _____ ft. Type Seamless Size 10" I.D. 32 lbs to foot

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

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

Perforated or Screened: Ft. 113' to ft. 118' Ft. _____ to ft. _____

Type of screen or perforations Mills Knife 3" by 3/8" total of 45 holes to foot

Static Water level, for non-flowing well: Raised 2' above ground level feet.

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

Pumping water level 35' feet at 300 G.P.M. gal. per min.

How tested: Pump tested with Turbine Pump

Length of test 5 hours

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

(over)

344
328318

I received and filed this instrument for
record on the 22 day of Jan, 1973
at 10:15 o'clock A.M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By [Signature] Deputy
Fee \$2.00 Paid

File No.

T. 15 N R. 22 W 28

DUPLICATE

County LIBBIA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 2 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

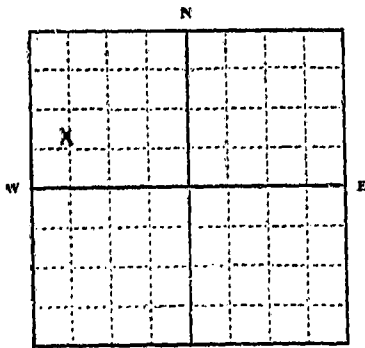
(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
 9' (Elev. above sea level.....)
 28' clay and shale
 60' boulder gravel, pea gravel and clay
 7' fine sand and some water
 32' blue clay and water
 3' blue clay, sand, water
 4' solid rock

Owner: Alan M. Estrom Address: Libbia
 Driller: Home Water Well Drilling, Libbia
 Date of Notice of Appropriation of Groundwater: 6/22/64
 Date well started: 6/30/64 Date Completed: 7/1/64
 Type of well: Drilling Equipment Used: Drilling
 (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" ID	6" Id 19.	0	156	does not apply		



5. N. 24. W. 1/4 Sec. 22. T. 15. R. 22. E. 23
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well..... 97 feet.
 Shut-in Pressure for Flowing Well..... does not apply
 105 50
 Pumping Water Level..... feet at..... gal. per minute.
 Discharge in gal. per min. of flowing well..... does not apply
 bailou was pumped 10 hours
 How Tested..... Length of Test.....

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

145

Show exact depth of bottom.

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.

38425

1437

225550

I received and filed this instrument for
 record on the 24 day of Aug, 1962
 at 2:45 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Vernace R. Cross, County Recorder
 By John J. Mann, Deputy
 Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA

MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA

File No. _____ T. 15 N. R. 22W

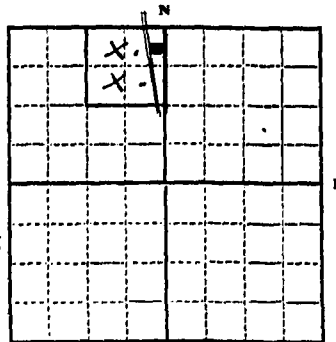
DUPLICATE _____ County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

- I, HARVEY C. HACKMAN, of 170 Strand Avenue, Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
- The beneficial use to which water is to be applied is domestic use on lands hereinafter described.
(describe lands to be benefited, if for irrigation)
- The rate of use in gallons per minute or miner's inches of groundwater claimed 1/2 gallon
- The annual period (inclusive dates) of intended use January 1, to December 31
- The probable or intended date of first beneficial use August, 1966
- The probable or intended date of commencement and completion of the well* or wells* August, 1966
- The location, type, size and depth of well or wells contemplated 4" casing, 300' in depth, drilled well or wells, upon lands hereinafter described.
- The probable or estimated depth of the water table or artesian aquifer 250 feet
- Name, address and license number of the driller engaged None engaged at this time.
- Give such other similar information as may be useful in carrying out the policy of this act _____

That part of the NE 1/4 NW 1/4 of Section 28, T. 15 N., R. 22W., lying west of the Remount Road as now established; also South 130' of N 1/2 of N 1/2 of NE 1/4, NW 1/4 and North 170' of S 1/2 of N 1/2 of NE 1/4, NW 1/4 lying East of said Remount Road.



NE 1/4 NW 1/4 Sec. 28 T. 15N R. 22W
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Harvey C. Hackman
Date Dec. 30 1965

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

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

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

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

Missoula
HARVEY C. HACKMAN

s

is

is

s

is

s

/s/ Harvey C. Hackman

30th

December

65

/s/ Thomas F. Murray

Missoula, Montana

(NOTARIAL SEAL)

September 17 67.

15-88
245-461

I received and filed this instrument for
record on the 30th day of December 19 65.
at 1:10 P.M. permanent files
of Missoula County, State of Montana
Witness my hand.
Vernice K. C. Co. County Recorder
By *W. H. H. H.* Deputy
Fee \$ *2.00* Paid *cash*

26

File No. _____

T. 15 N. R. 9 E. W.

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 26 1963

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, Donald R. Harrington, of Missoula,
(Name of Appropriator) (Address) (Town)
County of Missoula, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Household use
& irrigation on N 1/2 of NE 1/4 of NW 1/4 of Sec. 28 T. 15 R. 22
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 5 gal Per minute

4. The annual period (inclusive dates) of intended use Jan 1, to Dec 31.

5. The probable or intended date of first beneficial use July 1, 1964

6. The probable or intended date of commencement and completion of the well* or wells* March 1, 1964

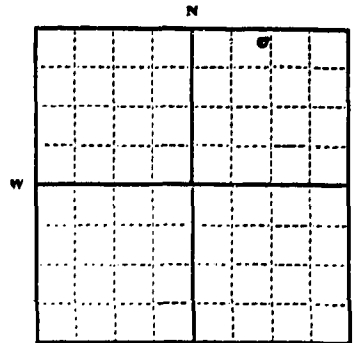
7. The location, type, size and depth of well or wells contemplated Concrete Curb
Approximately 8 ft deep - 3 ft Dia.

8. The probable or estimated depth of the water table or artesian aquifer 8 ft.

9. Name, address and license number of the driller engaged none

10. Give such other similar information as may be useful

in carrying out the policy of this act. Flowing
spring - unimproved
intend to build on
Property.



NW 1/4 Sec. 28 T. 15 R. 22
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Donald R. Harrington

Date 12-23-63

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

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

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

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

12319

499

214746

I received and filed the instrument for
record on the 23 day of Dec. 1965
2:22 o'clock P. M. in the name of
of Missoula County, State of Montana
Witness my hand:
MARTIN E. BEHNER, County Recorder
By [Signature] Deputy
\$2.00 Paid

OW2

File No. _____

DUPLICATE

*Is this just
a well?*

T. 15 R. 22

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED

APR 19 1962

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

(Under Chapter 237, Montana Session Laws, 1961)



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

- 0-28' Brown clay
little water 18'
- 28-68' Blue clay
- 68-70' fine sand water
- 70-88' Blue silt water
- 88-95' fine sand water
- 95-99' green shale water

Owner Jerry A. Hickman Address Huson Mont.

Driller John Farrell Address Idaho

Date of Notice of Appropriation of Groundwater

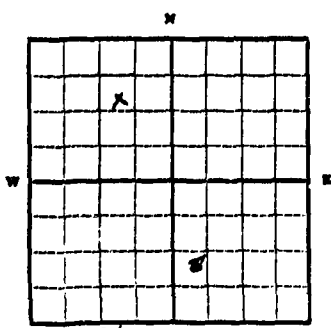
Date well started Aug 12-1962 Date Completed Aug 14-1962

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

Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
5"	5 1/4 LB	0			99'	



SE 5 1/2
NE 1/4 NW 1/4 Sec 28 T. 15. R. 22
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well..... 9 feet.

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

Pumping Water Level..... 50 feet at..... 10 gal. per minute.

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

How Tested..... Pump..... Length of Test..... 2 Hrs

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

Show exact depth of bottom.

14
Driller's License Number

John Farrell
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.

4217

File No. _____

STATE WATER CONSERVATION BOARD

T. 15 R. 22

DUPLICATE

JUN 14 1967

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



Top of Ground
(Elev. above sea level.)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Clay & Silt

Owner Harvey Millhouse Address Nine Mile Creek

Water & Silt

Driller John Farrell Address Arlee Mont

Clay & Silt

Date of Notice of Appropriation of Groundwater _____

Clay Silt & Water

Date well started May 15 1967 Date Completed May 20 1967

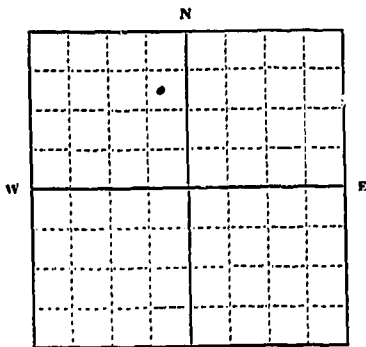
Water & Gravel

Type of well Drilled Equipment Used Churn Drill
(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"	(5") (17 1/2) #	0	138			



5 1/2 NE 1/4 Sec. 22, T. 15 N. R. 22 W.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

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

Shut-in Pressure for Flowing Well _____

Pumping Water Level 23 feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Pump 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) _____

Show exact depth of bottom.

14
Driller's License Number

John Farrell
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.

42,061

1715

261494

I received and filed this instrument for record on the 12 day of June 1967 at 11:00 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:

Vermae R. Coyle, County Recorder

By *Debra A. Running*, Deputy

Fee \$ *5.00* Paid

MISSOULA COUNTY RECORDS

Year 1967

THIS INSTRUMENT IS FILED FOR RECORD IN THE PUBLIC RECORDS OF MISSOULA COUNTY, MONTANA, ON THE 12TH DAY OF JUNE, 1967, AT 11:00 O'CLOCK A.M.

MISSOULA COUNTY RECORDER

File No. _____

T. 15N R. 22W

DUPLICATE

STATE WATER CONSERVATION BOARD
R E C E I V E D
SEP 2 1965

County Missoula

LOG REFERRED TO _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground _____
Approx. (Elev. above sea level 3150)
Formation Log:

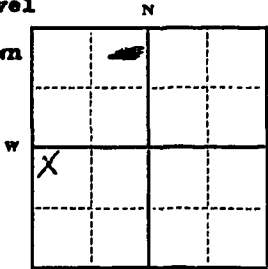
**Notice of Completion of Groundwater
Appropriation by Means of Well**

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

- 0 - 20 Tan silty clay with a very little gravel imbedded.
- 20 - 25 Tan silt and sand. Some silty water. Owner William A. Nagy Address Huson, Montana
- 25 - 31 Tan silty sand with some gravel imbedded. Driller LIBERTY DRILLING CO. Address Missoula, Montana
- 31 - 64 Gray, green silty clay. Date of Notice of appropriation of groundwater None filed
- 64 - 71 Gray and tan clay in thin alternate layers. Some silty water. Date well started December 29, 64 Date completed December 31, 64
- 71 - 78 Tan silty clay with gravel imbedded. Silty water in seams. Type of well Drilled Equipment used Cable Tools
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)
- 78 - 86 Tan silty clay with weeps of water. Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other
- 86 - 92 Green clay with gravel imbedded. Seeps of water. 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.
- 92 - 95 Tan clay with gravel imbedded.
- 95 - 97 Tan clay and silt with gravel imbedded.
- 97 - 110 Black and brown solid rock. Water.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8 OD x 1/4"	0	98' 11"	NONE		



Static Water Level for non-flowing well 6.6 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 102 feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well None-Flowing

How Tested Bailer

Length of Test Four hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water is entering the well through cracks and seams in the rock.

NE 1/4 Sec. 28, T. 15N R. 22W
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.

Bottom of hole 110'

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.

52
Driller's License Number

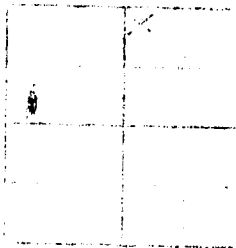
William A. Nagy
Driller's Signature

39504

1524

240958

I received and filed this Instrument for
 record on the 30 day of Aug. 1965
 at 1:45 o'clock P. M., permanent files
 of Missoula County, State of Montana
 Whereby I, George W. Stead, County Recorder
 By Marjorie A. Stead, Deputy
 Fee \$ 2.00 Paid Cash



C

GW3

File No.

DUPLICATE

T. 15^N R. 22^W 32
County. Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

Notice of Completion of Groundwater Appropriation ~~WATER~~ WELL ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

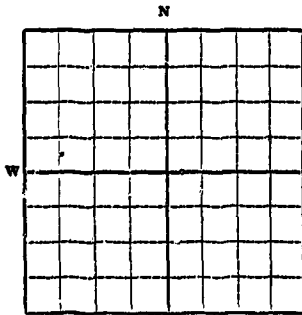
Date of Appropriation of Groundwater

Owner. Myrtle M. Russell Address. Albertson Montana

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. Obtainable from natural spring surfaced. 3/4 mile underground, 5 ft. deep on 9. thru sec. 32. T. 15. R. 22. by irrigation pipe, under Milwaukee R.R. & Highway 10 to all buildings, gardens, pens. & pasture.

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

218A.

1/4 Sec. 32 T. 15 R. 22
Indicate point of appropriation and place of use, if possible.

continuous uses for livestock, irrigation, all household purposes, of undetermined amounts of flows continuously. only source of supply

Signature of Owner. Myrtle M. Russell

Date. Dec 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.

694

215100

Copy
I received and find this instrument for
record on the 30 day of March 1965
at 10:15 o'clock A.M. permanent time
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By Martin S. Behner
Fee \$ 2.00 Paid

7985

I received and filed this instrument for
record on the 1 day of March 1928
at 12:15 o'clock P.M., permanent files
of Missouri County, State of Missouri
Witness my hand:
Jerome B. Crouse, County Recorder
By James H. Caldwell, Deputy
for S. Caldwell Paid

File No. _____

DUPLICATE

should this be SW 1/4

T. 157 N. R. 22 W.

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

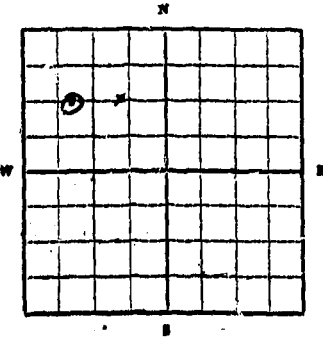
APR 12 1963

ASSISTANT
STATE ENGINEER

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

1. Philip Cyr, of Hudson
(Name of Appropriator) (Address) (Town)

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



SE 1/4 NW 1/4 Sec. 34 T. 15 N. R. 22 W.

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1905 and has been used about every year since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 80 gal per min to 40 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 Not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Large flowing spring that has been drilled with pump from well for input

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater not app. unknown

8. The depth of water table 15 to 14 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 3.6 in diameter in well corrugated steel 12 to 14 ft deep

10. The estimated amount of groundwater withdrawn each year 10, to 20,000 gal

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

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 Philip Cyr
Date Apr 16 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.

4205

188

204954

I received and filed this instrument for
record on the 14th day of April, 1963
at 2:07 o'clock P. M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BENNER, County Recorder
By *[Signature]* Deputy
\$ 2.00 Paid

GW 2

STATE WATER CONSERVATION BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—42129

File No. FEB 10 1966

T. 15 N R 22

DUPLICATE

Billie _____ McDermott _____
Brizzerin _____ McNulty _____
Coyie _____ Morton _____
Darlington _____ Sullivan _____
Pickart _____

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



Top of Ground (Elev. above sea level)

0 to 2' Top soil
2' to 7' Gravel
7' to 49' Gravel, some
red clay
49' to 50' Gravel &
some water
50' to 63' Tan clay
63' to 66' Gravel & silty
water
66' to 77' Clay
77' to 79' Gravel &
water

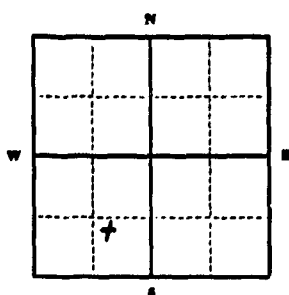
Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Wayne Snough Address 6-4110
Driller Shaun Camp 705 Alder Address Missoula, Mont
Date of Notice of appropriation of groundwater
Date well started 11/16/65 Date completed 11/18/65
Type of well Drilled Equipment used Churn drill
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)
Water use: Domestic [x] 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.

Table with columns: Size of Drill Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)).



Static Water Level for non-flowing well 16 feet.
Shut-in Pressure for Flowing Well
Pumping Water Level 16 feet
at 60 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested Bailers
Length of Test 2 hours
Remarks: (Gravel packing, cementing, packers, type of shutoff)

1/4 Sec T R
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.

Driller's License Number
Driller's Signature Shaun Camp

48819

5575

246723

I received and filed this Instrument for record on the 6 day of Feb. 1966 at 1:30 o'clock P. M. permanent files of Missoula County, State of Montana

Witness my hand:
 Vermae R. Cruise, County Recorder
 By Walter J. [Signature], Deputy
 Fee \$ 2.00 Paid cash

STATE WATER CONSERVATION BOARD

APR 10 1966

RECEIVED
 STATE WATER CONSERVATION BOARD
 MISSOULA, MONTANA

NOTICE TO CONTRACTORS

STATE WATER CONSERVATION BOARD

MISSOULA, MONTANA

ADMINISTRATIVE SERVICES DIVISION

STATE WATER CONSERVATION BOARD

MISSOULA, MONTANA

ADMINISTRATIVE SERVICES DIVISION

STATE WATER CONSERVATION BOARD

MISSOULA, MONTANA

ADMINISTRATIVE SERVICES DIVISION

STATE WATER CONSERVATION BOARD

MISSOULA, MONTANA

ADMINISTRATIVE SERVICES DIVISION

STATE WATER CONSERVATION BOARD

MISSOULA, MONTANA

ADMINISTRATIVE SERVICES DIVISION

STATE WATER CONSERVATION BOARD

MISSOULA, MONTANA

ADMINISTRATIVE SERVICES DIVISION

STATE WATER CONSERVATION BOARD

MISSOULA, MONTANA

ADMINISTRATIVE SERVICES DIVISION

STATE WATER CONSERVATION BOARD

MISSOULA, MONTANA

Recorder: (Check beginning certificate page)
 Number of Pages: _____
 Date of Recording: _____

Disposal: In the case of a copy of the original instrument, the original instrument shall be retained by the recorder for a period of _____ days after the recording of the instrument.

D

STATE WATER CONSERVATION BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—4232

File No. 8 2

T. 15N R. 22W

AUG 4 1966

DUPLICATE

LOG

McDermott, McNulty, Morton, Sullivan, Dickert

County Missoula

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground (Elev. above sea level)

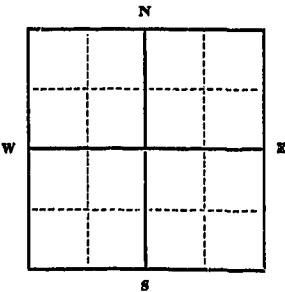
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0'-12' Brown Clay Owner: William MacDoubt Address: Frenchtown, Montana 1522 S. 14th
12'-25' Clay and Gravel Driller: Glenn Camp Address: Missoula, Montana
25'-33' Clay Date of Notice of appropriation of groundwater
33'-34.5' Gravel, Clay, Water (abt. 40 GPM) Date well started: July 21, 1966 Date completed: July 25, 1966
34.5'-35' Gravel & water Type of well: Drilled Equipment used: Churn Drill
35'-42' Gravel, clay some water (tight formation) Water use: Domestic, Municipal, Stock, Irrigation, Industrial, Drainage, Other
42'-46' Clay (not water) 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.

Table with columns: Size of Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)). Includes data for 46'-71' and 71'-72 1/2' intervals.



Static Water Level for non-flowing well 19 feet
Pumping Water Level 34 feet
Discharge in gal. per min. of flowing well 150 gpm

How Tested: Compressor
Length of Test: 3 hours
Remarks: (Gravel packing, cementing, packers, type of shutoff)

1/4 Sec. T. R. 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).

residential irrigation

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.

License # 7 Driller's License Number

Glenn Camp Driller's Signature

41280

1634

File No

252657

I received and filed this Instrument for record on the 12 day of Aug, 1966 at 8 o'clock P.M.; permanent files of Missoula County, State of Montana

Witness my hand:
 Verance R. George, County Recorder
 By M. M. Corraugh Deputy
 Fee \$2.00 Paid 12

RECORDED IN BOOK 100 PAGE 100

REN 5/15

Missoula

2

Part of Book 3 June
 How far from...
 COMMISSIONER

The undersigned for and in name of
 the State of Montana, do hereby certify that
 the above is a true and correct copy of the
 original as the same appears on file in the
 office of the County Recorder of Missoula County,
 Montana, this 12th day of August, 1966.

NO SEC

File No. _____

T. 15 1/2 225

DUPLICATE

County Missoula

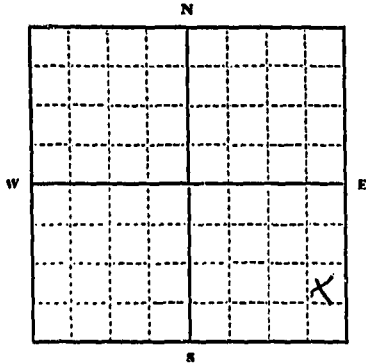
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

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

1. Mae B. Schumann, of Alberton Mont.
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
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. Household
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1 1/2 years
- 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. 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. 1 1/2 yrs.
- 8. The depth of water table. 65 ft.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
- 10. The estimated amount of groundwater withdrawn each year. unknown
- 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. none

Signature of Owner Mae B. Schumann
Date 12/23/63

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.

15171

569

214871

Copy

I received and filed this instrument for
record on the 26 day of Dec 1963
at 10:48 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER County Recorder
By Martin S. Behner Deputy
Fee \$ 2.00 Paid

County Wisconsin Twp. 15 N Rge. 21 W

Series
 Paper
 Sheet
 to
 remove

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
14	Hensel, Albert	MW 2	290510	
14	Richardson, Jim	MW 2	331373	
17	Stleson, Leo D	MW 4	215205	
20	Stleson, Leo D	MW 4	215205	see above #17
21	Henderson, Joseph S.	MW 2	314160	
22	Dorlan, Arthur	MW 3	208883	
25	Richaeds, Gilbert N	MW 2	326764	
27	Dorlan, Arthur	MW 4	208882	
28	Dea ghr, West & Hickey	MW 2	327973	
28	Montana State Fish & Game	MW 2	331230	
29	Hewett, H.H.	MW 4	215363	
29	Ralph, Harry	MW 2	205366	
30	Schaffner, Tom	MW 4	213784	
31	Cyhl, Philip	MW 2	201125	
31	Larvica, Henry	MW 2	326282	
33	Dyer, Joseph M.	MW 2	320629	
33	Harck, James L.	MW 2	314275	
34	De Back, Cornell	MW 4	215126	
34	Cox, James O.	MW 4	215236	
34	Hamel, Florence & Blanche	MW 4	211884	
34	Lindback, Robert	MW 4	1325	
34	Lindback, Robert	MW 4	1324	
34	McDonald, Harvey	MW 4	214758	
34	McDonald, Jess O	MW 4	215360	
34	More, James	MW 2	263965	
34	Northern Pacific	1950 Log	147593	
34	Northern Pacific	MW 4	213197	
34	Lireur, Inc	MW 2	251537	
34	Richardson, Jim	MW 2	331373	See above Sec. 14
34	Summing, Clinton H.	1957 Log	166636	
34	Summing, Clinton H.	MW 2	249397	
34	Summing, Clinton H.	MW 4	209370	
34	Selbert, Herbert C.	MW 4	209756	
34	Smith, Otto L.	MW 2	229163	
35	Prickson, John H.	MW 2	314437	
35	Frame, Thomas C.	MW 2	300159	
35	Frame, Thomas C.	MW 2	322595	
35	Albert, Kenneth C.	MW 2	319651	
35	Job, Joseph R.	MW 3	302903	
35	Zimmerman, Margaret	MW 4	213073	
	Corcoran, Anastrometto	"	"	
35	Nelson, Melvin L.	MW 4	210199	
35	St. Johns Parish	1956 Log	152545	
36	Gevert, Kenneth E.	MW 2	319656	see above Sec. 35
36	Richardson, Jim	MW 2	331373	see above Sec. 34 & 14
36	Dunlop, Gary K	MW 2	292980	

File No. _____

T. 15 R. 21

DUPLICATE

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

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

0 to 1' Black Dirt &

Gravel

1' to 78' Clay & gravel

78' to 80' Gravel &

water

Owner Albert Hensel Address 1015 Haukeha, Helena

Driller Camp Well Drilling & Pump Supply Address 1522 S. 16th, Missoula

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

Date well started March 24, 1970 Date completed March 26, 1970

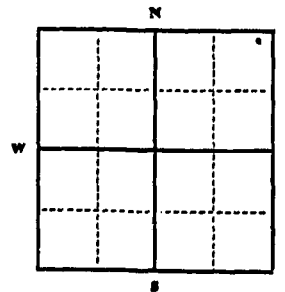
Type of well Drilled Equipment used Churn drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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"	8" I.D. 17" to feet	1' above G.L. to 80'		None		

Doc. No. 290510
Filed for record
this 22 day of April
A. D. 19 70, at 2:30
o'clock P.M.



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

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

Pumping Water Level..... 76 feet
at..... 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Test Pump

Length of Test hours

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

1/4 Sec. 14 T. 15 R. 21 W
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.

License 7
Driller's License Number

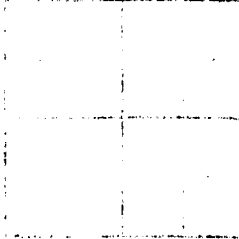
L. Camp
Driller's Signature

46390

1977

290510

I received and filed this instrument for
 record on the 22nd day of April, 1970,
 at 2:30 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness: my hand.
 Verano S. Crouse, County Recorder
 By *[Signature]* Deputy
 Fee \$ 2.00 *[Signature]*



MONTANA WATER RESOURCES BOARD
RECEIVED

APR 28 1970

STATE OF MONTANA
 MISSOULA COUNTY
 REC'D
 APR 28 1970

File No. _____

T. 15^N R. 21^W 20

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1968

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Leo D. Gleason

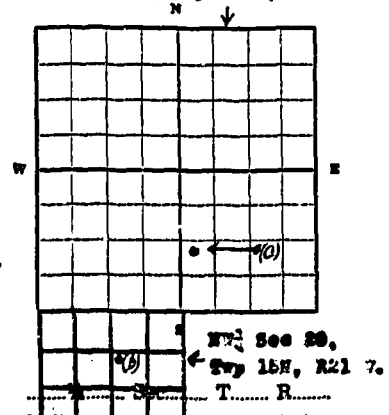
for

1. Leo D. Gleason & Marion Deb Gleason of Route #1 Missoula
(Name of Appropriator) (Address) (Town)

County of Missoula State of Montana

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

Sec. 17, Twp 15 N, R 21 W.



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

2. The beneficial use on which the claim is based Domestic & irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Wells (a & b) between 1892 & 1895. Well (c) 1933. Well (a) in continuous use. do not know how long well (b) was used, it is not used at present. Well (c) 30 years

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Well (a) 100 miner inches, well (b) 500 miner inches & well (c) 500 miner inches.

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 Twp 15 N, R 21 W.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Wells (a & b) gravitation flow through pipes. Well (b) not in use. Well (a) and well (c) are in use. Sec. 17, Twp 15 N, R 21 W. Well (c) Sec 17, Twp 15 N R 21 W.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Wells (a & b) between 1892 & 1895. Well (c) 1933.

8. The depth of water table Wells (a) 7 ft, (b) 2 ft, (c) 6 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 All are dug wells 4-6 ft (not rock-lined) Wells (a & b) about 7 ft deep. Well (b) rock and timber lined, about 30 ft deep.

10. The estimated amount of groundwater withdrawn each year Well (a) 500,000 gals. Well (b) not in use. Well (c) 4,000,000 gallons.

11. The log of formations encountered in the drilling of each well if available All wells soil, gravel and rock.

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

Signature of Owner Leo D. Gleason

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.

797 215205

I received 797 and find this 215205 to
be a record of the 215205
of 797 of 215205
at 797 M. permanent file
County of Montana
I certify that the above is a true and correct copy of the original
Alvin S. Peterson
Treasurer

2248

314160

I received and filed this instrument for
record on the 21 day of May, 1972
at 10:30 o'clock A.M. permanent file
of Missoula County, State of Montana
Witness my hand.
Vernice R. Crouse, County Recorder
By Marian Stoen, Deputy
Fee \$ 20 Cash Paid

Public Agent, Federal

File No.

T. 15 N. R 21 W

DUPLICATE

County Mustache

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 30 1963

S.W.

Notice of Completion of Groundwater Appropriation
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 27, 1963

Owner Arthur Donlan Address Frenchtown, Montana

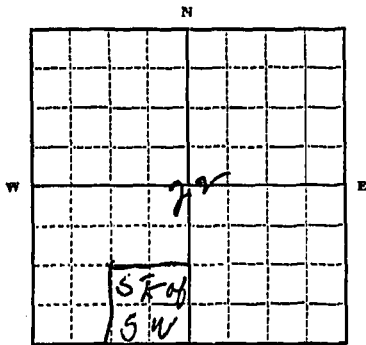
Contractor (if any) None

Address of Contractor

Date Started Natural spring 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



SE 1/4 SW Sec. 22 T. 15 R. 21

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

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

estimate approximate lengths of periods of use.....

10 inch estimate used all year

Wair

Signature of Owner Arthur Donlan

Date June 27, 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.

232

20883

I received and filed this instrument for
record on the 26 day of July 1963
at 5:20 clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By *Mary Shaleky* Deputy
Fee \$ 2.00 Paid

RECEIVED

County Missoula

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 Gilbert M. Richards

Address Frenchtown,

Montana

Date well started Oct. 13, 1972

completed Oct. 19, 1972

For Administrator's Use	
File <u>2377, 326764</u>	
<u>Jan 10, 1973</u>	
<u>1:05 P.M.</u>	
GW 1	

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

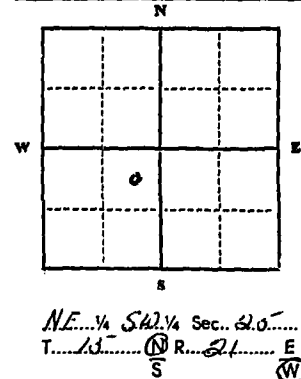
Equipment used Churn drill
(Churn drill, rotary or other)

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 2,500,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 17# 1 1/2 up	98 1/2				



Static water level 80 ft.*
Pumping water level 82 ft.*
at 20 gallons per minute,
measured 60 minutes after pumping
began.
*Measured from ground level.
Well developed by Bailer
for 3 hours.
Power --- Pump --- HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) _____

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

Driller's Signature Charles J. Hellebrand

Driller's Address C.E.C. Drilling, P.O. Box 670,

Missoula, Montana LICENSE NO. 185

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)	
0		Topsoil
	4	
4		Clay and Gravel
	6	
6		Clay
	14	
14		Gravel and clay
	80	
80		Static water level
	80	
80		Gravel, Clay and some water
	92	
92		Sand, gravel and water
	98 1/2	

98 1/2 Show exact depth of bottom

52,214

2397

326764

I received and filed this instrument for
 record on the 16 day of Jan, 1923
 at 11:50 clock A M, permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Dorothy L. Head, County Recorder
 By Wm. Stone, Deputy
 Fee \$ 2.00 Paid

RECORDED
 JAN 17 1923
 MISSOULA, MONTANA

1923

1923

1923

1923

1923

1923

File No. _____

DUPLICATE

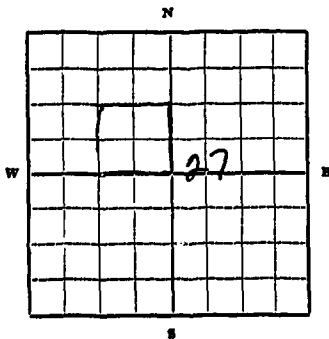
T. 15^N R. 21^W
County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 30 1963

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

1. Arthur H. Nolan of Frenchtown
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NW Sec. 27, T. 15 R. 21
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 irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Earliest beneficial use was in 1930 used continuously until 1940
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 miner's inches
- 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 75 acres, SE quarter of North West Section 27 Twp. 15, R. 21 N.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Power driven pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 1930, finished May 1, 1930
- 8. The depth of water table 32 feet
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled, 12 inch casing, 35 feet
- 10. The estimated amount of groundwater withdrawn each year _____
- 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 Nothing available

Signature of Owner Arthur Nolan
Date _____

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

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

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

231

208882

I received and filed this instrument for
 record on the 26 day of July 1967
 at 1:52 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By *M. S. Behner* Deputy
 Fee \$ 2.00 Paid 0

MISSOULA COUNTY
 CLERK OF DISTRICT COURT
 MISSOULA, MONTANA

42416

327973

I received and filed this instrument for
 record on the 13 day of Feb, 1973
 at 10:44 o'clock P. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Dorothy L. Head, County Recorder
 By W. L. Johnson, Deputy
 Fee \$ 2.00 ~~1.00~~ Paid.

STAFFORD

STAFFORD

STAFFORD

STAFFORD

X

STAFFORD

STAFFORD

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RECEIVED 24
County MISSOULA

**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 MONTANA STATE FISH & GAME

Address Frenchtown Pond

Project No. 72-35-03

Date well started March 12, 1972

completed March 30, 1972

For Administrator's Use	
File	<u>2472, 331230</u>
Date	<u>April 27, 1972</u>
GW	<u>1 11.12. A.M.</u>

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

Equipment used Chura Drill (Chura drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

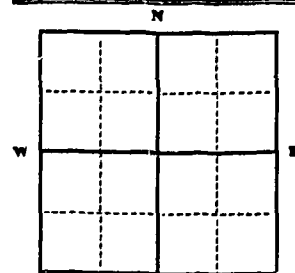
Industrial Drainage Other Garden/Lawn

*Describe Compound

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	Depth (Feet)	Number
6" ID	15 lb 200 ft. c.l.	above g.l.	185 ft.	1" C.I.	175'	at 182'
				1" N.P.	179'	182'
				3/4" "	180'	5 holes to 180'
				3"	180'	total
					181'	50 holes
					182'	



Static water level 1014" ft.
Pumping water level 1112" ft.
at 57 gallons per minute,
measured 10 minutes after pumping
began.

*Measured from ground level.
Well developed by ball
for 6 hours.

Power 5.5 kw Pump 2 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)
2" cement plug in bottom

SW 1/4 SW 1/4 SE 1/4 Sec. 28
T. 15 N. R. 21 W.

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

Driller's Signature [Signature]

Driller's Address 1322 S. 14th Missoula, Montana 59801

LICENSE NO. 7

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)	
0	75	Clay & Gravel
75	85	Sand small gravel & water
85	97	Sandy clay & Gravel
97	140	Clay & Gravel
140	185	Sand Gravel & water
		2' cement plug in bottom

184' Show exact depth of bottom
plus 2' plug in bottom

53,062

472

331230

I received and filed this instrument for
record on the 27 day of April 1913
at 11:10 o'clock A.M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By [Signature] Deputy
Fee \$ ADNE Paid

File No.

DUPLICATE

T. 15^N R. 21^W

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

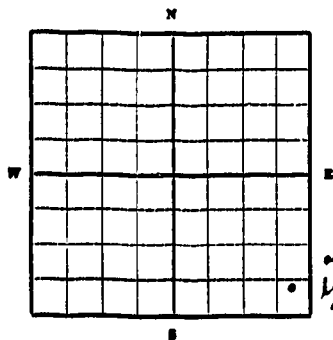
RECEIVED
JAN 8 1964

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

1. H. H. & Adeline B. Hewlett of P. O. Box 41, Frenchtown
(Name of Appropriator) (Address) (Town)

County of Missoula State of Montana

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



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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous since October 1, 1961

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gals per min

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 2 acres family garden, lawn, trees. H. H. & Adeline B. Hewlett

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

1/2 XX Sec. 29 T.15 R. 21

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres. **Begin at point 30' W and 1298.09' N Section corner common to Secs 29, 28, 32 & 33; thence**

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

8. The depth of water table 12 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 One driven, 23 feet deep 4" casing

10. The estimated amount of groundwater withdrawn each year 15,000 gals

11. The log of formations encountered in the drilling of each well if available Not applicable
Well was driven.

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 north and parallel to Sec. line 1520.34'; then N81.22°W 701'; then South 1625.15'; then S89°59'E 693'. Purchaser's interest filed March 1, 1962 Vol U Misc Records, p 325, with Deed Exhibit #1037, records of Hsla Co.

Signature of Owner H. H. Hewlett
Adeline B. Hewlett

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.

890

215363

Copy

I received and filed this instrument for
record on 11/51 day of Dec 1962
at 2 o'clock P. M., permanent files
of Missoula County, State of Montana
Witness my hand:
Martin S. Buxner County Recorder
Martin S. Buxner Deputy
Fee \$ 0.00 Paid

File No.

T. 15N R. 21W S. 21

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 24 1964
STATE ENGINEER



Top of Ground

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

8 1/2' - clay + gravel
9 1/2' - sand, water + gravel
4' - fine sand
10 1/4' - sand, water + gravel

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Therry Ralph Address Frenchtown

Driller Gene Waterwell Drilling Address St. Regis

Date of Notice of Appropriation of Groundwater 6/16/64

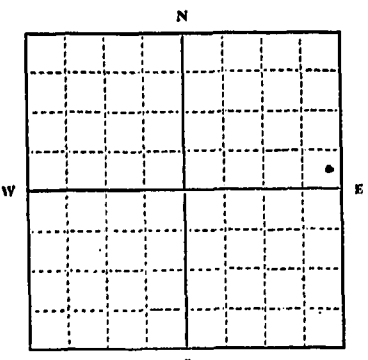
Date well started 4/15/64 Date Completed 4/15/64

Type of well drilled Equipment Used churn
(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" id	6" id 19#	0	32	does not apply		



Sec. 21 T. 15 N. R. 21
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

32 1/4

Show exact depth of bottom.

Static Water Level for non-flowing Well 9 feet.

Shut-in Pressure for Flowing Well does not apply

Pumping Water Level 11 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well does not apply

How Tested drilled + pumped Length of Test til clear

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)

23
Driller's License Number

Ernest Stone
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.

38396

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225266 1430

I received and filed this instrument for record on the 19 day of Aug 1964 at 1:44 o'clock P.M. permanent files of Missock County, State of Montana
 Witness my hand:
 Veronao R. Crouse, County Recorder
 By Oliver J. Madsen, Deputy
 Fee \$ 2.00 Paid

RECORDED
 INDEXED
 AUG 20 1964
 COUNTY CLERK
 MISSOCK COUNTY
 MONTANA

MISSOCK COUNTY, MONTANA
 DEPARTMENT OF REVENUE
 RECEIVED
 TAXES
 AUG 20 1964

File No.

T. 15 ^W R. 21 ³⁰

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 3 1963

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

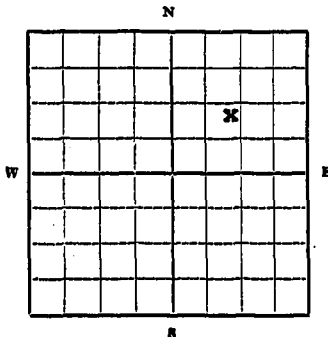
STATE ENGINEER

Thomas R. Scheffer and

1. Virginia M. Scheffer, his wife, of Huson
(Name of Appropriator) (Address) (Town)

County of Missoula State of Montana

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



SW $\frac{1}{4}$ NE Sec. 30. T. 15 R. 21
Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1895 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gallons per minute

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
4 h.p. motor - one inch pipe

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1895 commencement and completion date

8. The depth of water table Eighteen (18) 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
Twelve (12) inch tile casing

10. The estimated amount of groundwater withdrawn each year 50,000 gallons

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

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 No previous record of filing

Signature of Owner Thomas R. Scheffer
Virginia M. Scheffer
Date November 27, 1963

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

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

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

345 212584 copy

~~I received and filed this instrument for record on the _____ day of _____, 19____, and it is recorded in vol. _____ of _____ Records of the County of _____, State of Montana, on page _____.
Witness my hand:
MARTIN S. BEHNER, County Recorder
By _____ Deputy
Fee \$ _____ Paid
Return to _____
Address _____~~

I received and filed this instrument for record on the 29 day of Nov 1963 at 1:35 P.M. permanent files of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By Carol Lane Deputy
Fee \$ 2.00 Paid

File No.

T. 15^N R. 21^W

DUPLICATE

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
SEP 28 1962

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground Approx -
(Elev. above sea level. 3150')

0-13 PIT
13-127 FINE SILTY SAND AND CLAY

Owner Philip Cyr Address Hudson, Montana

Driller Liberty Drilling Address MISSOULA, MONTANA

127-133 GRAY SANDY CLAY

Date of Notice of Appropriation of Groundwater NONE FILED

133-153 GRAY SILTY SAND WITH SOME SCATTERED CLAY STREAKS

Date well started OCT. 15, 1962 Date Completed NOV. 5, 62

153-161 GRAY SANDY CLAY

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

161-172 GRAY SILTY SAND AND CLAY

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

172-174 GRAY SANDY CLAY

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.

174-177 GRAY SILTY SAND

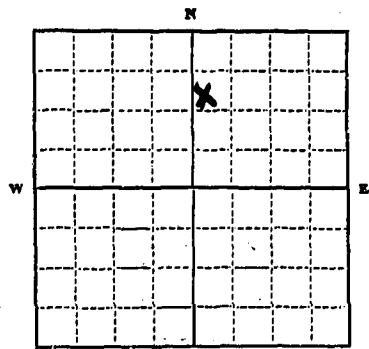
177-181 GRAY SANDY CLAY

181-183 BROKEN ROCK OR BOULDER IN GRAY SILTY SAND.

183-251 CEMENTED CONGLOMERATE SAND, GRAVEL, BROKEN ROCK AND BOULDERS

251 - BOTTOM OF WELL

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6"	65/8" OD 18" PER FT	11'	200'	-NONE-		



Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well Flowing feet.

Shut-in Pressure for Flowing Well 4#

Pumping Water Level 18.6 feet at 5 1/2 gal. per minute.

Discharge in gal. per min. of flowing well SEEP - STRONG
1 1/4 to 1 1/2 gpm

How Tested Submersible Pump length of Test 4 DAYS

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) LAWN AND

GARDEN IRRIGATED

Show exact depth of bottom - 251'
SEEPS OF WATER FROM
183' to 251' - WELL FLOWS
WHEN ALLOWED TO STAND.

Driller's License Number 52

Driller's Signature William F. Osborne

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.

42388

326282

I received and filed this instrument as
recorded on the 27 day of Dec 1912
at 11:05 P.M. permons Use
of Missoula County State of Montana
Witness my hand
Vernice A. Cruise, County Recorder
By *[Signature]* Deputy
For \$ *[Signature]* Paid

320679

2317

I received and filed this instrument for
record on the 11th day of Aug, 1972
at 2:30 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand
Vernice R. Crouse, County Recorder
By M. J. [Signature] Deputy
Fee 1.20 Paid cash

RECEIVED

33
County Missoula

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

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.

(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 James L. Fisher

Address Rt. 1, Box 23

Ennetrust, Montana

Date well started July 15, 1962

completed July 17, 1962

For Administrator's Use	
File #	<u>2253, 314208</u>
Date	<u>March 23, 1962</u>
GW #	<u>1</u>

Type of well Drison

(Dig, driven, bored or drilled)

Equipment used Rt. Drison

(Cable drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

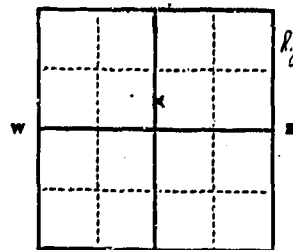
Industrial Drainage Other * Garden/Lawn

*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 57,000 Gal.

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind	From (Foot)	To (Foot)
<u>4"</u>	<u>4" x 10' x 10' x 10'</u>	<u>0</u>	<u>27</u>	<u>19</u>	<u>19</u>	<u>27</u>



Static water level 14 ft.*
Pumping water level 10 ft.*
at 200 gallons per minute,
measured 60 minutes after pumping began.

*Measured from ground level.
Well developed by 2 hours.
Power 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Sec. 1/4 NE 1/4 Sec 33
T. 25 N R. 21 E

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

Driller's Signature James L. Fisher

Driller's Address Ennetrust, Montana

LICENSE NO.

Top of Ground (Elev. above sea level)		
From (Foot)	To (Foot)	
<u>0</u>	<u>5</u>	<u>Top soil</u>
<u>3</u>	<u>22</u>	<u>Clay</u>
<u>24</u>	<u>27</u>	<u>Water level</u>

27' Show exact depth of bottom

50,108