C —Helena Independent Record

File No.....

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

DUPLICATE

County.....

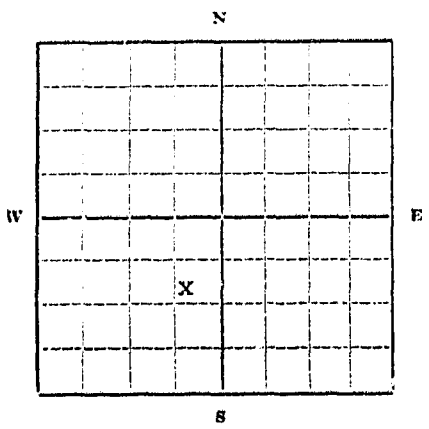
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. GUSTAVE F. RUSICKA and / AGNES E. RUSICKA, of Route 2 North, 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:



.....¼..... 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 Agricultural irrigation, household use and stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1928, continuous since then in varying amounts dependent upon other and weather factors.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: E 1/2 of NE 1/4 of SW 1/4 and SW 1/4 of NW 1/4 of SE 1/4, section 4, Township 20 North, Range 4 East, Cascade County, M.M.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 4 inch well and pumping equipment thereon.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well drilled and completed during the month of March, 1928.

8. The depth of water table 125 to 127 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 As specified above, i.e., a four inch well, 250 feet deep. This claimant not entirely familiar with all background equipment used to withdraw water but believes that it was at one time windmill and at other times other forms of pumping.

10. The estimated amount of groundwater withdrawn each year 15,000 to 35,000 gallons.

11. The log of formations encountered in the drilling of each well if available Log of formations 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 Well drilled by predecessor in title to appropriator; and was an M. L. Hames.

Gust F. Rusicka

Signature of Owner Agnes E. Rusicka

Date October 4, 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.

2221

#3181

STATE OF MONTANA, }ss.
County of Cascade.

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

OCT 9 - 1962
Date

at 10:05 o'clock A M.

J. L. LENNON
County Clerk and Recorder

By B Lewis
Deputy.

3 GW 2 Revised 1969
13—3M—10/69

County Cascade 7

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 School Dist. #1

Address Gt. Falls, Mont.

Date well started 4-10-1970

completed 5-19-1970

For Administrator's Use
File 5224 May 28 1970
~~June 4, 1970~~
GW 1 9:35 a.m.

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

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

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☒

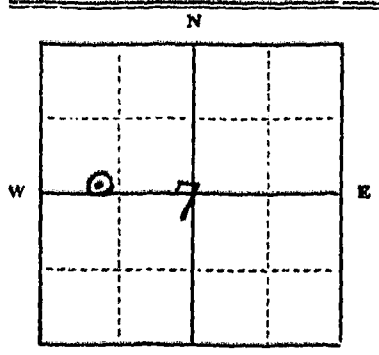
Industrial ☐ Drainage ☐ Other ☐* ~~Lawn~~/Lawn ☒

*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). 18 acres

ESTIMATED ANNUAL WITHDRAWAL 2,000,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
12"	10"	0	48	NOT PERFORATED		
10"	8-5/8	0	75	NOT PERFORATED		
8"	6-5/8	0	401	Torch	395	400



2610 FN/1250 FW of Sec 7
SE SW ¼ NW ¼ Sec. 7
T. 21 N R. 4 E
20N 5 W

Static water level 63 ft.*
Pumping water level 100 ft.*
at 28 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 2 hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) 3 feet of gravel placed on bottom- cave catcher set at 180 feet

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

Driller's Signature [signature]

Driller's Address 2112-7th ave. south

Gt. Falls, Mont LICENSE NO. 135

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) 3382

From (Feet)	To (Feet)	
0	4	topsoil
4	33	silt
33	38	sand-broken sandstone
38	45	soft silty shale
		broken sandstone
45	54	gray shale
54	63	sandstone - water
63	66	coal
66	72	gray shale
72	77	gray sandy shale
77	86	gray limestone
86	105	variegated shale
105	111	hard shell
111	117	dark gray shale
117	127	brown sandstone
127	138	gray sandy shale
138	145	hard sandstone
145	148	variegated sandstone
148	160	gray sandstone - hard
160	165	red rock
165	170	gray shale
170	188	gray sandstone
188	233	gray sandstone - firm
233	238	brown shale
238	242	yellow shale
242	257	gray shale
257	259	hard sandstone
259	305	shale & shells
305	320	black lime - hard
320	322	hard shell
322	365	gray shale & shells
365	387	dark gray sandstone
387	394	black shale
394	400	gray sandstone
400	403	madison lime

Doc. No. 5224
Filed for record this 28 day of May A.D. 19 70 at 9:35 o'clock A.M.

403 Show exact depth of bottom

46530

5224

State of Oregon,
County of Cascade. }ss.

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

MAY 28 1970
Date

at 9:35 o'clock A M.

J. E. LEMMON
County Clerk and Recorder.

By R E Dalema
Deputy.

GV

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.

T. 20 R. 4E

County Cascade

DUPLICATE

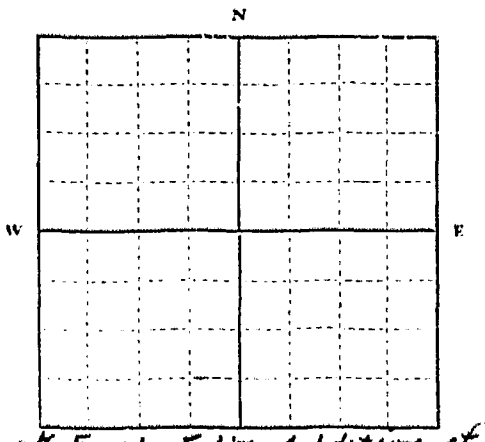
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 9 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Edward A Tiffany (Name of Appropriator), of 2606-3rd Ave. So. (Address) - Gt. Falls (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Black Eagle Falls Addition of City of Gt. Falls - Lot #3 Block 27
NWSW SWNW ¼ Sec. 8 T. 20 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 Domestic Plus irrigation on 4 City Lots.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1900 or before

4. The amount of groundwater claimed (in miner's inches or 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 City Lots #1-2-3-4 Block 27 of Black Eagle Falls addition, City of Great Falls Montana

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Withdrawn by Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Unknown — About 1900 or before

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

We Have Just Taken Possession of This Property so don't Know to what extent it has been used

10. The estimated amount of groundwater withdrawn each year

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 Edward A Tiffany
Date Dec. 31-1963

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

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

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

28490

4503

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42254

File No. .....

T 20 R 4 E

County Cascade

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 9 1964 STATE ENGINEER

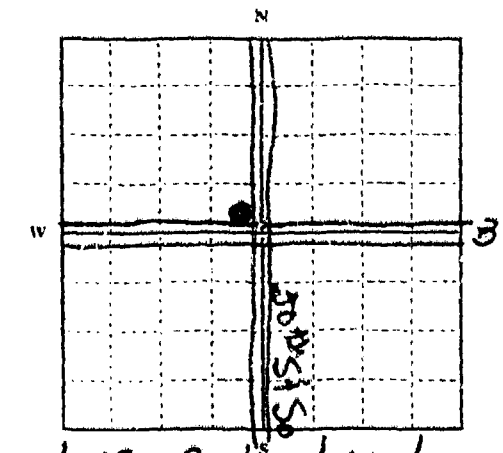
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Dr. M. P. Doran (Name of Appropriator), of 3700 2 Ave No (Address) Gt Falls (Town)

County of Cascade State of Montana

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



Lot 18 Beebe tracts

¼ Sec. 9 T. 20 R. 4 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 Human & livestock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1945

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2½ 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 Well with pump & pressure tank

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1945

8. The depth of water table Approx 105'

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 260 feet deep. 6" hole

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

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

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 M. P. Doran

Date Dec 31, 1963

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

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

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

28354

4364

CLERK AND RE[illegible]
CASCADE COUNTY, MONTANA
I HEREBY CERTIFY THAT THE WITHIN
INSTRUMENT WAS FILED FOR RECORD
IN THIS OFFICE ON DEC 31 1963

AT 11:49 A.M.
AND DULY RECORDED AS FOLLOWS

NO.

J. L. LENNON
CLERK AND RECORDER

BY [illegible] DEPUTY

G

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

File No.....

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

DUPLICATE

County.....

RECEIVED DEC 27 1963 STATE ENGINEER

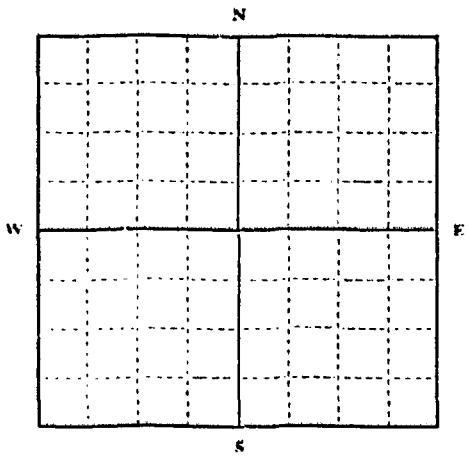
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. E. A. Alber, of 6025 - 2nd Ave North Great Falls
(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:



.....¼..... Sec..... T..... R.....

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

Sec 10 - T-20N - R 43
1/4 Sec. NW ¼ NE ¼ Sec 10.

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov 9 - 1959 continuous

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

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

6. The means of withdrawing such water from the ground and the location of ~~each~~ well or other means of withdrawal Electric pump piped into House

7. The date of commencement and completion of the construction of the well, ~~wells,~~ or other works for withdrawal of groundwater Oct 28 - 1959 Nov 9 - 1959

8. The depth of water table 275 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 300 feet Black Iron size 4 1/2 O.D

10. The estimated amount of groundwater withdrawn each year 12 gals per min

11. The log of formations encountered in the drilling of each well if available 150 - 188 Gray Shale 188 to 192 Hard Shale - 192 - 208 Gray Shale 208 - 209 Sand Rock 209 - 260 Sandy Gray Shale (water) 260 - 296 - Red & Gray Shale 209 - 300 Rock Shale

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

Signature of Owner Francis J. Alber

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.

13016

3689

STATE OF MONTANA, }
County of Cascade. } ss.

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

DEC 23 1963
Date

at 1:10 o'clock P. M.

J. L. LENNON
County Clerk and Recorder.

By [signature]
Deputy.

GW 2

Doc. No. 5029
Filed for record
File No. ..... this 15 day of July
A. D. 19 70, at 1:15
DUPLICATE o'clock P M.

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

T ..... R 13

County Cascade

LOG

Top of Ground

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

0-15' Clay

15'-17' Gravel, water

17'-30' Red Shale

30'-40' Gray Shale

Show exact depth of bottom.

40'

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Owner Ralph Frazier Address 422-12 ave. So. Great Falls, Mont.

Driller Thomas B. Franklin Address Great Falls, Mont.

Date of Notice of appropriation of groundwater Feb. 20-1970

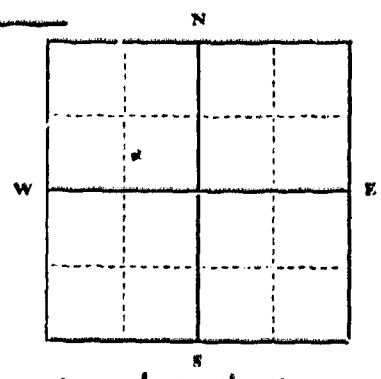
Date well started Feb. 25-1970 Date completed Feb. 27-1970

Type of well Drilled (Dug, driven, bored or drilled) Equipment used Cable tools (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 1/2"	5 5/8 2.8 10 lbs per ft.	Surface	30	Slotted	15	30



15 add. to Hole.

SE, NW 1/4 Sec. 13 T 20 N R 4 E

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

15

Static Water Level for non-flowing well 5 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 40 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well None

How Tested Bailer

Length of Test 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff) None

(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).

also used for irrigation of lawn, trees and acreage.

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.

84
Driller's License Number

Thomas B. Franklin
Driller's Signature.

48755

5299

STATE OF MONTANA, }ss.
County of Cascade.

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

JUL 15 1971

at

10:15 o'clock A.M.

L. L. [illegible]
County Clerk and Recorder

By R. E. Bateman
Deputy.

-3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County CASCADE 15

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 Dick Nelson

Address 2733 Huckleberry Dr.
Gt. Falls Mt.

Date well started 4-16-72
completed 4-22-72

For Administrator's Use
File 5363
May 9, 1972 3:15 p.m.
GW 1

Type of well Redrilled - ~~Dugged~~ Deepened
(Dug, driven, bored or drilled)

Equipment used Rotary
(Churn drill, rotary or other)

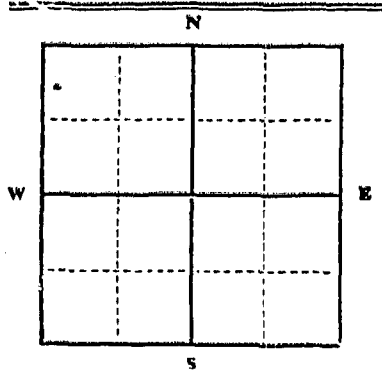
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
4 3/4	5" 16#	0	140			



NW 1/4 NW 1/4 Sec. 15
T. 20 (N) S R. 4 (E) W

Static water level 130 ft.*
Pumping water level 170 ft.*
at 12 gallons per minute,
measured 5 minutes after pumping began.
*Measured from ground level.
Well developed by Pumping
for hours.
Power 220 Pump 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

R.J.D.

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

Driller's Signature Harry Mendenhall

Driller's Address 4020 2nd Ave So
Gt Falls Mt LICENSE NO. 199

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		
		Drilled
	140	IN - 1925
140	150	Shale
150	172	Red Shale
172	182	Red Shale
182	220	Black Lava

220 Show exact depth of bottom

50, 922

5363

STATE OF MONTANA, }ss.
County of Cascade.

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

MAY 9 1972
Date

at 3:15 o'clock P M.

J. L. LENNON
County Clerk and Recorder.

By R E Baker
Deputy.

GW 2

File No. .....

DUPLICATE

T 20 N R 4 E

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 1964
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 2460)

0	
2	Fill
18	Grey Shale
20	Boulders
33	Grey Shale
38	Sand Rock (seep at 34')
135	Red/Grey Shale/Shells
142	Sand Rock
210	Shale of Shells
253	Lime
400	Shale of Shells
411	Sand Rock
413	Conglomerate
415	Sand rockd
425	Lime
428	Sandrock
170	Water filled up to from top.
428	
435	Water line
435	

Owner John M. Butler Address 3800 10th Avenue So.

Driller E. D. Rafferty Address 927 10th Avenue SW.

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

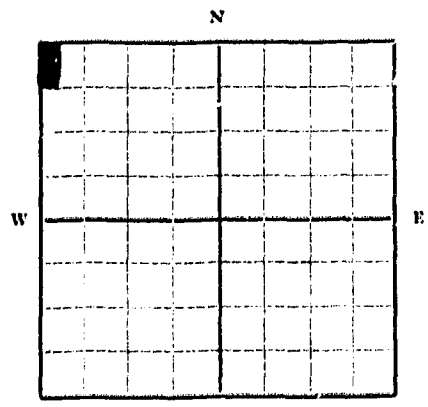
Date well started May 7, 1964 Date Completed May 26, 1964

Type of well driven (dug, driven, bored or drilled) Equipment Used sputter (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"	6" I.D.	0	421	½x10"	415	419
6"	5" I.D. ¼ inch thick	421	435			



W½NW¼NW¼, Sec. 16, T 20 N, R 4 E.
.....¼..... Sec..... T..... R.....

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

Static Water Level for non-flowing Well 170' below surface. feet.

Shut-in Pressure for Flowing Well Not applicable

Pumping Water Level 421 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well not applicable

How Tested Pumped-bailed Length of Test 1 week by owner, 1 day by driller.

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) .....

John M. Butler

Show exact depth of bottom. 435

#28
Driller's License Number

E. D. Rafferty
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.

38351

~~4880~~
4790

STATE OF MONTANA, }ss.
County of Cascade.

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

JUL 31 1964
Date

at 4:06 o'clock P M.

J. L. LEMON
County Clerk and Recorder.

By [illegible]
Deputy.

GW 1

File No. .....

T 20 N R 4 E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, John M. Butler (Name of Appropriator), of 3800 10th Avenue South (Address), Great Falls (Town), County of Cascade, 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 to supply water to be used on and in the appropriator's premises and improvements located on approximately 1½ acres in the location described below.
(describe lands to be benefited, if for irrigation)

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

4. The annual period (inclusive dates) of intended use year around use.

5. The probable or intended date of first beneficial use well already in use.

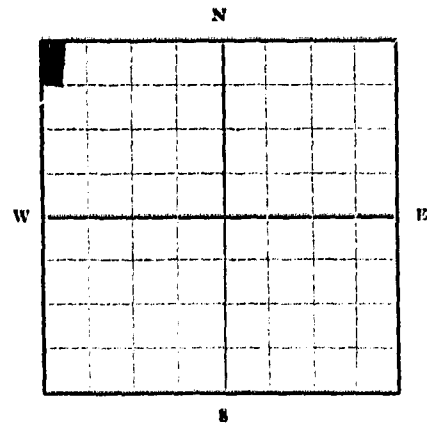
6. The probable or intended date of commencement and completion of the well* or wells*
Well was commenced May 7,1964, and completed May 26, 1964.

7. The location, type, size and depth of well or wells contemplated driven well located on premises herein described, to depth of 435 feet with 6 inch diameter casing at top and 5 inch diameter casing at bottom.

8. The probable or estimated depth of the water table or artesian aquifer About 10 feet- from 425-435 below surface

9. Name, address and license number of the driller engaged E.D.Rafferty, 927 10th Avenue Southwest, , Great Falls,Montana, Driller License No. 28.

10. Give such other similar information as may be useful in carrying out the policy of this act.



W½NW¼ ¼ Sec. 16 T.20N R. 4 E.

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

Signature of Appropriator John M. Butler

Date [illegible]

* 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 artifically withdrawn."

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

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

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

38350

4779

STATE OF MONTANA, }
County of Cascade. } ss.

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

JUL 31 1964
Date

at 4:05 o'clock P M.

J. L. LENTZ
County Clerk and Recorder.

By [illegible]
Deputy.

GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Cascade

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: Robert D. and/or Judith A. McIntyre

Address: Box Mt. Falls, Montana

Date well started: 7-12-1972

completed: 7-15-1972

For Administrator's Use
File 5403
Aug 12, 1972 - 4:10 p.m.
GW 1

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

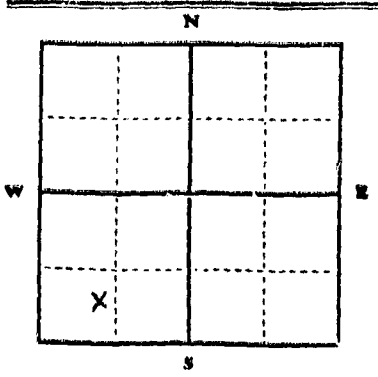
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	7" 17	0	26	Not perforated		
6-5/8"	Not cased					



Static water level 105 ft.*
Pumping water level 125 ft.*
at 30 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 1 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NW ¼ NW ¼ Sec. 16
T. 20 N/S R. 4 E/W

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

Driller's Signature: Gerald J. Bayne

Driller's Address: 2112-7th Ave. S.

Great Falls, Montana LICENSE NO. 135

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	3	Top soil
3	13	Br. broken sandrock
13	22	Red broken sandrock
22	27	Red rock & shale
27	37	Hard red rock
37	53	Gray sandstone
53	57	Hard br. sandstone
57	63	Hard gray shale
63	74	Gray shale
74	83	Soft gray shale
83	90	Br. sandstone
90	115	Sandstone Sandrock water
115	135	Rusty br. sandstone

135 Show exact depth of bottom

51,413

5403

STATE OF MONTANA, }ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
SEP 12 1972
Date
at 4:10 o'clock P M.

J. L. LENNON
County Clerk and Recorder
By R. C. Bolemon
Deputy.

GW 2 Revised 1969
STATE PUBLISHING COMPANY

County. Cascade

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 Modern Equipment Co., Inc.

Address 4025 10th Ave. South

Great Falls, Montana

Date well started June 1, 1972

completed June 16, 1972

*For Administrator's Use
File 5383
June 29, 1972 1:15 p.m.
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 ☒

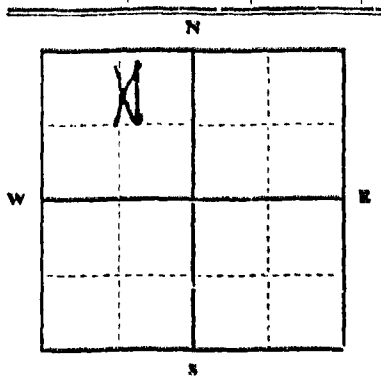
Industrial ☒ Drainage ☐ Other ☐* Garden/Lawn ☐

*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). See Description Below

ESTIMATED ANNUAL WITHDRAWAL Plenty High

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 inch	5 inch O.D. 5lbs. per ft.	0	257	Slots 1/8 x 10" Gravel placed behind casing to cover perforations	220	250



NE ¼ NW ¼ Sec 16
T. 20 (N) S R. 4 (E) W

Static water level 150 ft. from top*
Pumping water level 250 ft. from top*
at 2 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by Bailing
for 2 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 E. D. Rafferty

Driller's Address 927-10th ave. S. W.

LICENSE NO. 28

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	3	Sandy Loam
3	15	Yellow Shale
15	30	Sand Rock
30	49	Grey Shale
49	50	Seep Sand Rock
50	80	Red and Grey Shale
80	82	Seep Sand Rock
82	120	Shale and Shells
120	141	Sand Rock
141	150	Red and Grey Shale
150	195	Sand Rock
195	214	Red and Grey Shale
214	257	Sand Rock Water 240 ft.

A tract of land in the NE¼ of the NW¼, of Section 16, T.20 N., R.4 E. M.P.M. described as follows: Beginning at the SW corner of said NW¼ of the NE¼, Sec. 16; extending thence N.00°31W. 1109.0 ft., along the west line of said NE¼ of the NW¼, to the south line of 10th Ave. So. (a State Hwy); thence S.88°53'E. 350.0 ft., along said south line; thence S.00°31'E. 1105.9 feet, to the south line of said NE¼ of the NW¼; thence W.89°23'W. 350 feet, along said south line to the point of beginning and containing an area of 8.89 acres.

257 ft. Show exact depth of bottom

50738

5383

STATE OF MONTANA, }ss.
County of Cascade.

I hereby certify that the within in
strument was filed in this office on
JUN 20 1972
Date

at 1:15 o'clock P M

J. L. LENNON
County Clerk and Recorder

By J. S. Wilson
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4047

File No. ....

STATE WATER CONSERVATION BOARD

SEP 6 1966

T 20 N R 4 E

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.....)

Top soil	10'
Red Rock	22'
sand-stone	30'
Red Rock	40'
Sand-stone	70'
Gray shale	89'
Sand stone	94'
Sand water	125'
Gray shale	130' T.D.

Show exact depth of bottom.

Owner George B. Nilson Address Gt. Falls, Mont.

Driller Pat Byrne Address Gt. Falls, Mont.

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

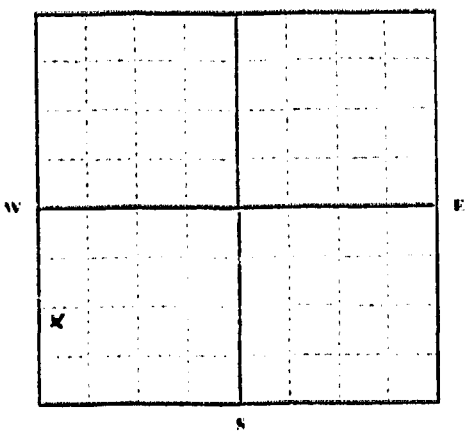
Date well started June 17, 1966 Date Completed June 24, 1966

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Churn drill (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)
8"	(7") OD	0	28'	NOT PERFORATED		
6-5/8"	not cased	28	130			



SW ¼SW Sec 16 T20N R4E

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

Static Water Level for non-flowing Well 55 feet.

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

Pumping Water Level 125 feet at 4 gal. per minute.

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

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) .....

135
Driller's License Number

Pat Byrne
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.

STATE OF MONTANA, }ss.
County of Cascade.

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

SEP 2 1966
Date

at 2:00 o'clock P M.

J. L. LENNON
County Clerk and Recorder.

By J L Lennon
Deputy

GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Cascade 16

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 George H. Nilson

Address S.E. Gt. Falls

Montana

Date well started 7-18-1972

completed 7-22-1972

For Administrator's Use
File 5399
Aug 23, 1972 - 4:50 p.m.
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 ☐

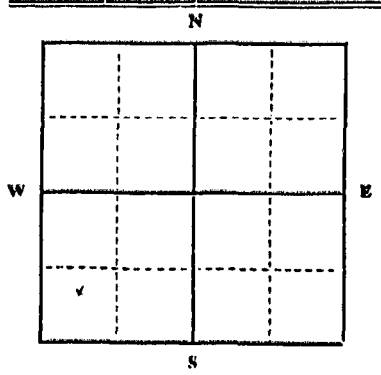
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	7" 17#	0	27	Not perforated		
6-5/8	Not cased					



NW ¼ NW ¼ Sec. 16
T. 20 N/S R. 4E E/W

Static water level 105 ft.*
Pumping water level 125 ft.*
at 20 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for 2 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 Edward J. Bergeron

Driller's Address 2113 - 7th Ave S

Gt Falls, Mont. LICENSE NO. 135

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	1	Top soil
1	33	Red rock
33	42	Brown sandstone
42	48	Gray sandstone
48	56	Brown sandstone
56	61	Red rock
61	81	Hard gray shale
81	86	Gray shale
86	96	Brown shale
96	101	Hard brown shale
101	122	Sandstone WITHDRAWN WATER
122	130	Rusty br. sandstone

130 Show exact depth of bottom

51,245

5399

STATE OF MONTANA, }ss.
County of Cascade.

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

AUG 23 1972
Date

at 1:50 o'clock P M

J. L. LENNON
County Clerk and Recorder

By J. L. Walsh
Deputy.

23 N 4E 17

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Cascade

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 Roman Catholic Bishop of Gt. Falls, Montana A Corporation Sole

Address Box 1391

Great Falls, Montana

Date well started May 12, 1972

completed May 22, 1972

For Administrator's Use
File 5323
May 26 1972 3:00 pm
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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
10"	8"	0	60	Not perforated		
8"	Not cased	60	95			

N
W E
S

NW ¼ ¼ Sec. 17
T. 20N N/S R. 4E E/W

Static water level 41.67 ft.*
Pumping water level 82 ft.*
at 100 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for 6 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 [signature]

Driller's Address 2112-7th Avenue South

Gt. Falls, Montana LICENSE NO. 135

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	7	Top soil
7	50	Brown sandstone
50	54	Gray sandstone water 53-54
54	62	Gray hard sandrock
62	65	Brown sandrock
65	87	Gray sandrock water 82-82.5
87	91	Gray silty shale
91	93	Red shale
93	95	Gray silty shale

95 Show exact depth of bottom

50,730

5379

STATE OF MONTANA, }ss.
County of Cascade.

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

MAY 26 1972

Date

at 3:00 o'clock P M.

J. L. LENNON
County Clerk and Recorder

By J. S. Wilson Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4555 3

File No.....

T. 20N R. 4E Sec 18

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JUL 7 1969

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)

0-5- Sand

5-22. Clay

22-25- Gray Shale

25-28- Sandstone

28-32- Red Shale

32-35- Sandstone

35-38- Red Shale

38-42- Hard Rock

42-50- Medium Rock

50-52- Red Shale

52-56- Water Bearing Sandstone

56-60- Hard Rock

60-65- Red Shale

65-73- Medium Sandstone

73-78- Gray Shale

78-80- Sandstone

80-85- Gray Shale

85-92- Red Shale

92-98- Gray Shale

98-100- Sandstone

Show exact depth of bottom.

100'

Owner Michael McCuish & Edith Leirich Address 1601-21 Ave. So.

Driller Thomas B. Franklin Address Great Falls, Mont.

Date of Notice of appropriation of groundwater May 8 - 1969

Date well started May 12 - 1969 Date completed May 20 - 1969

Type of well Drilled (Dug, driven, bored or drilled) Equipment used Cable Tools (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)
7½"	8" O.D. 188 Wall	Surface	25'	None		

N

W E

Lot 27 Block 4 Finney Addition

.....¼.....Sec..... T.....R.....

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

Static Water Level for non-flowing well .....35.....feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level.....90.....feet at.....5.....gal. per minute.

Discharge in gal. per min. of flowing well None

How Tested Bailer

Length of Test 2 hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff) None

.....(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).

Also used for irrigation of trees shrubs and lawn on said lot or lots

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.

Thomas B. Franklin 84
Driller's License Number

Thomas B. Franklin
Driller's Signature.

45403

5175

STATE OF MONTANA, }ss.
County of Cascade.

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

JUL 2 1969
Date

at 12:00 o'clock P M

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

By R E Bateman
Deputy.

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—46805 3

File No.....

T.....R.....18

DUPLICATE

County.....Cascade

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Top of Ground

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

0-25' Clay

25-38' Shale Rock

38'-210' Red, Gray Shale with Hard Rock Stringers averaging approx 8' thick

210'-232' Sandstone

232'-385' Red, Gray Shale with Hard Rock Stringers averaging approx 8' thick

385'-395' Morrison Sandstone

Water Bearing
395'-403' Limestone

Show exact depth of bottom.

403

Owner Jesse Bergant Address [redacted] Great Falls, Mont.

Driller Thomas B. Franklin Address Great Falls, Mont.

Date of Notice of appropriation of groundwater Aug. 10-1968

Date well started Aug. 12-1968 Date completed Sept. 15-1968

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

Water use: Domestic ☑ Municipal ☐ Stock ☐ Irrigation ☑ Industrial ☐ Drainage ☐ Other ☑ Trailer Court

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)
7½" to 262'	262' of 6" O.D. 14 lbs per ft.	4" Surface	403'	4" x 3	323'	403'
	4" casing T.C. 7 lbs per ft.					

N
W E
S

Static Water Level for non-flowing well .....155.....feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level.....185.....feet at.....30.....gal. per minute.

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

How Tested.....Bailer

Length of Test.....2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff).....None

.....¼.....Sec..... T..... R.....

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

5218

Filed this 10 day of April A. D. 19 70, at 9:50 o'clock A M.

(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).

Used for general household, irrigation of trailer Court, also for water for trailer houses

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.

84
Driller's License Number

Thomas B. Franklin
Driller's Signature.

4-304

5218

STATE OF MONTANA, }ss.
County of Cascade.

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

APR 10 1970
Date

at 9:50 o'clock A M

J. L. LENNON
County Clerk and Recorder

By R. L. Balem
Deputy.

GW

Approved Stock Form—State Publishing Co., Helena, Montana—46805

File No.....

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

DUPLICATE

County Cascade

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Top of Ground

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

0-25' Clay

25-38' Shale Rock

38'-210' Red, Gray Shale with Hard Rock Stringers averaging approx 8' thick

210-232' Sandstone

232'-385' Red, Gray Shale with Hard Rock Stringers averaging approx 8' thick

385'-395' Morrison Sandstone

Water Bearing 395'-403' Limestone

Show exact depth of bottom.

403

Owner Jorge Bergant Address Route 1 South P. O. Box 82 [redacted] Great Falls, Mont.

Driller Thomas B. Franklin Address Great Falls, Mont.

Date of Notice of appropriation of groundwater Aug. 10-1968

Date well started Aug. 12-1968 Date completed Sept. 15-1968

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

Water use: Domestic ☑ Municipal ☐ Stock ☐ Irrigation ☑ Industrial ☐ Drainage ☐ Other ☑ Trailer Court

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)
7⅞" to 262'	262' of 6" O.D. 14 lbs per ft.	4" Surface	403'	4" x 3	323'	403'
	4" casing - C. 7 lbs per ft.					

N W E S

Static Water Level for non-flowing well 155 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 185 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well None

How Tested Bailer

Length of Test 2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff). None

(Continue on reverse side)

NW NW SE ¼ Sec. 18 T. 20 R. 4 E.

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

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

Used for general household, irrigation of trailer Court, also for water for trailer houses

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.

84
Driller's License Number

Thomas B. Franklin
Driller's Signature

4-3-64

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42254

File No. .....

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

DUPLICATE

County .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 9 1964
STATE ENGINEER

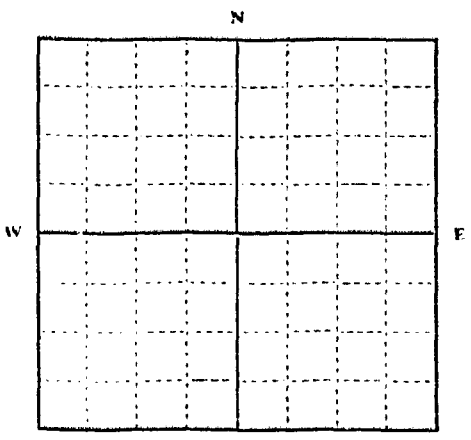
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. GLENN CORBETT (Name of Appropriator), of 1302 17 Street South, Great Falls, (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:



The well is located on lot 2 of Block 1, Replat of Fairview

¼ Sec. T. R.

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

Addition to Great Falls, Montana

2. The beneficial use on which the claim is based Household use and Irrigation of lawns and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Prior to 1947 The well has been used continuously since June of 1948

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 800 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 The water has been used on lots 1, 2, and 3 of Block 1 of The Replat of Fairview Addition to the City of Great Falls, Montana, owned by Glenn and Ina Corbett

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Water is drawn from the well by means of an electric jet pressure system. The well is located under The South West corner of basement on lot 2, Block 1, Replat of Fairview Add.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Not available.

8. The depth of water table The water is about 28' from top of well casing

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 was drilled, has 6" casing and is 68½' (feet) from top of casing to bottom of well

10. The estimated amount of groundwater withdrawn each year About 4½ million gallons per 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 None available

Signature of Owner Glenn Corbett

Date Dec 31 1963

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

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

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

28526

1539

CLERK AND RECORDER
CASCADE COUNTY MONTANA
I HEREBY CERTIFY THAT THE WITHIN
INSTRUMENT WAS FILED FOR RECORD
IN THIS OFFICE ON

AT 2:45 P M
AND DULY RECORDED AS DOCUMENT
NO.

J. L. LENNON
CLERK AND RECORDER
BY
DEPUTY

GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Cascade 18

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 Theo. A. Jones

Address 1405 2nd Ave. S.

For Administrator's Use
File 5540 March 12 1962
10:30 a.m.
GW 1

Date well started Sept. 5, 19 0

completed Oct. 15, 1950

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 ☒

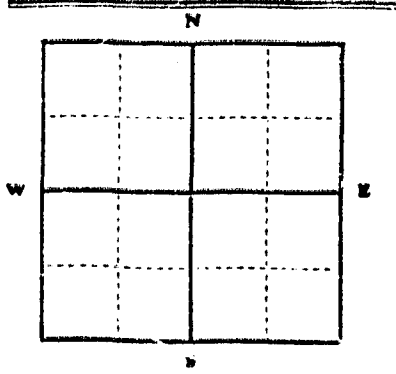
*Describe

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 700,000 gal.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 5/8	5½ O.D.	0	176	lots 10	165	175

Lot 1 Block 9 Finaly w alone t rest not are add.



¼ ¼ Sec 8
T. 20 N/S R 4 E/W

Static water level 110 ft.*
Pumping water level 15 from top* at 15 gallons per minute, measured 30 minutes after pumping began.
*Measured from ground level.
Well developed by pilling for 2 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
Cave catches made of pile tin 1 or above perforation

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

Driller's Signature E. D. Rafferty

Driller's Address 927-10th Ave. S.W.

LICENSE NO. 28

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	2	Loose sand
2	15	Drift shale
15	18	Red shale
18	22	Sand rock
22	28	Red shale
28	64	Sand rock
		40 ft
64	69	Grey shale
69	74	Sand Rock
74	78	Grey shale
78	83	Sand rock
83	89	Grey shale
89	102	Lime
102	121	Sand Rock
		Water filled up to 110 ft from top
121	133	Grey shale
133	137	Lime
137	156	Sand Rock
156	163	Grey shale
163	176	Water sand
		Water filled up to 110 ft from top

176 Ft Show exact depth of bottom

50,000

5347

STATE OF MONTANA, }ss.
County of Cascade.

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

MAR 17 1972
Date

at 10:30 o'clock A M

J. L. LENNON
County Clerk and Recorder.

By J. L. Wilson
Deputy.

GW

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

File No. .....

T ..... R ..... E.....

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

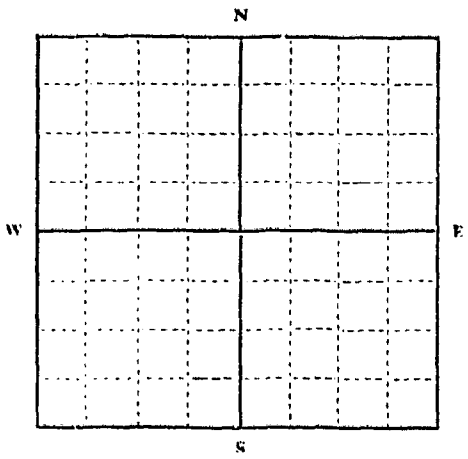
RECEIVED JAN 1 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Charles H. Lukes (Name of Appropriator), of 1725-21st Ave. So. (Address) Great Falls (Town)

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



.....¼..... 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 use and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1950

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Two 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
One city block of land, house, landscaping and garden plot located in Finley supplement Block 3; well on lot 18 Great Falls, Montana

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
D6 electric Crane piston type pump from one well

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

8. The depth of water table Fiftyfive 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 Well drilled by a well drilling rig; 2 inch pipe; Depth 125 Ft.

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

11. The log of formations encountered in the drilling of each well if available Three ft. of Sand; Six ft. of Clay; Sandstone

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Book 206 Page 363 Cascade County record

Signature of Owner Charles H. Lukes

Date December 31, 1963

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

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

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

28381

4391

31 1968

12:17 P

GW 4

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

File No. .....

T. ... R. ...

DUPLICATE

County .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 1964

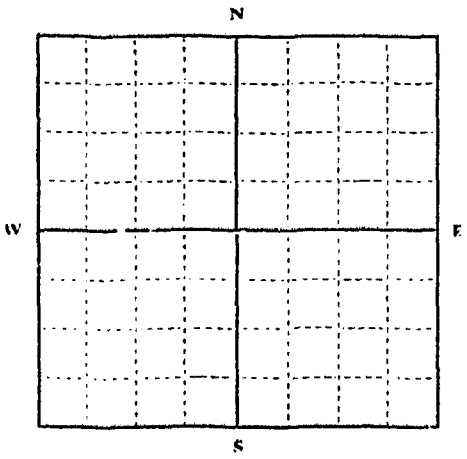
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. GORDON G. MacPHERSON, (Name of Appropriator), of 1706-08, 14th Ave. So. (Address) Great Falls, (Town)

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



Lot 3, Block 31, Fairview Addition to Great Falls, Cascade County, Mont.

¼ 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
Domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been September, 1918
Continuous use

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

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
About 5,000 square feet of lawn, no other.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater September, 1918

8. The depth of water table About forty 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
77 feet deep steel casing, six inch.

10. The estimated amount of groundwater withdrawn each year Approximately 30 to 35,000 gallons

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

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 G G MacPherson

Date Dec 30th 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.

28118

4130

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on the 30 day of [illegible] 1890

2:27 o'clock P. M.

[illegible] Recorder.

By [illegible]

T. 20 N. R. 1 E. Sec. 18

County Cascade

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

WATER WELL LOG

Owner R. G. & Clara E. Matthison Address 1706 - 14th West Great Falls

Driller Ed Hayes Address P. O. Box 213 Great Falls

Date Started 24th June 1947 Date Completed 25th June 1947

Location: Sec. 1709 - 14th West Great Falls T. 20 N. R. 1 E. ¼ sec. 18

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other

Casing: 6" ft. to 18' 7" ft. Type Cast Iron Size 6"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

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

Type of screen or perforations

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

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

Pumping water level feet at gal. per min.

How tested:

Length of test

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
DEC 27 1961
at 3:20 o'clock P. M.
[illegible]
[illegible]
By
Deputy.

T. [illegible] R. 4E / 18

County Cascade

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

WATER WELL LOG

Owner: G. G. Gibbs & Mac Pherson Address: 1706 - 14 ave S. Great Falls, Po Box 373

Driller: M Patterson Address: Licensed

Date Started: Sept 1st 1918 Date Completed: Sept 8th 1918

Location: Sec. 1706 S. 14 ave So Great Falls Mont T. ..... R. ..... ¼ sec. .....

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other: .....

Casing: 6" ft. to 70 ft. ft. Type: Steel Size: 6"

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

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

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

Type of screen or perforations .....

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

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

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

How tested: .....

Length of test .....

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

.....

.....

.....

.....

.....

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
		STATE OF MONTANA, } ss. County of Cascade. I hereby certify that the within instrument was filed in this office on DEC 27 1961 at 3:00 o'clock P. M. T. L. [illegible] County Clerk and Recorder. By [illegible] Deputy.

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—39318

#9

File No. .....

Location - Block #30, Lot #15 Section 6 Addition

T. 26 N. R. 4 E.

DUPLICATE

County .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 30 1964
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.....)

Depth	Description	Depth
0–5	Top soil	5'
5–35	Broken gravel & gravel	35'
35–50	Red rock	50'
50–65	Hard lime	65'
65–75	Hard sand water bearing	75'
75–105	gray and a green shale	105'
105–120	Hard gray shale	120'
120–125	Red shale	125'
125–140	gray shale	140'
140–187	gray sand & shale water at 180–187' 18 gpm	187'
187–210	gray red shale(s.(?))	210 T.D.

Owner: James Cash Address: Fort Shaw, Mont.

Driller: Patrick J. Byrne Address: Ft. Shaw, Mont.

Date of Notice of Appropriation of Groundwater: Feb. 4, 1964

Date well started: Jan. 21, 1964 Date Completed: Feb 7, 1964

Type of well: drilled (dug, driven, bored or drilled)

Equipment Used: Churn drill (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)
8"	7" 17 seamless	0'	30'	Cemented		
6-5/8	not cased	30'	210'			

N

W E

S

.....¼..... Sec..... T..... R.....
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well: [illegible] feet.

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

Pumping Water Level: [illegible] feet at [illegible] gal. per minute.

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

How Tested: bailer Length of Test: [illegible]

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.

Location - Block #30, Lot #15
Sexton 6th addition

Driller's License Number

Patrick J. Byrne
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.

35636

4745

STATE OF MONTANA, }
County of Cascade } ss.

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

APR 21 1964

Date

at 4:45 o'clock P.M.

J. L. LENNON
County Clerk and Recorder.

By [signature]
Deputy.

GW 2 Revised 1969
STATE PUBLISHING COMPANY

County CASCADE

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 James L. Vista Bouchard

Address RTE #1 Box 756 Great Falls

Date well started Apr 26-71

completed Apr 27-71

For Administrator's Use
File 5365
May 16, 1972 3:05 pm
GW 1

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

Equipment used ROTARY (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

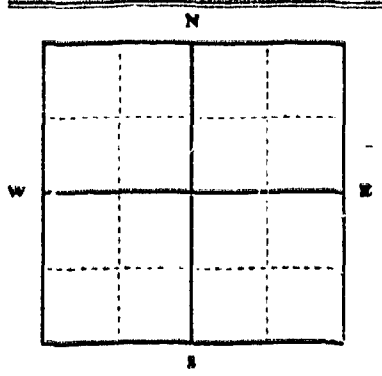
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5¾	4"	0	120	PERFORATED	0 100	120
				5/8" HOLES		



Static water level 38' ft.*
Pumping water level 50' ft.*
at 40 gallons per minute,
measured 40 minutes after pumping began.
*Measured from ground level.
Well developed by PUMPING
for 4 hours.
Power Pump ½ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

¼ ¼ Sec. 20
T. 20 N/S R. 4 E/W

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

Driller's Signature Larry Mendenhall

Driller's Address 4020 2nd Ave So Gt Falls Mont. LICENSE NO. 199

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	2	TOPSOIL
2	16	SAND STONE
16	21	SHALE
21	56	SANDSTONE
56	70	SANDY CLAY
70	92	SAND STONE CLAY
92	101	BOULDERS
101	120	GRAVEL

120 Show exact depth of bottom

50,218

5365

STATE OF MONTANA, }ss.
County of Cascade.
I hereby certify that the within instrument was filed in this office on
MAY 16 1972
Date
at 3:05 o'clock P. M.
T. L. TENNYON
County Clerk and Recorder
By [signature] Deputy

Owner James L. Bauedeau
Address Route #1, Box 756 - Gt. Falls
Location T. 2N R. 4E Sec. 20
Doc. No. 5365

Department of Natural Resources and Conservation
Water Resources Division
Engineering Bureau
Groundwater Section
Sam W. Mitchell Building
Helena, Montana 59601

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

Please check the two attached groundwater right appropriation forms, since they both have the same filing document number of 5365.

Thank you.

#5365 is OK for Bauedeau
#5366 is for Palagi.

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

STATE OF MONTANA, County of Cascade.
I hereby certify that the instrument was filed in this office
MAY 16 1972
at 3:05 o'clock
J. M. [illegible]
County Clerk and Recorder
By [illegible]

Department of Natural Resources and Conservation
Water Resources Division
Engineering Bureau
Groundwater Section
Sam W. Mitchell Building
Helena, Montana 59601

Owner James L. Bauedeau
Address Route #1, Box 756 - Gt. Falls
Location T. 2N R. 4E Sec. 20
Doc. No. 5365

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions in order to properly protect your groundwater right.

Special Instructions:

Please check the two attached groundwater right appropriation forms, since they both have the same filing document number of 5365.

Thank you.

#5365 is OK for Bauedeau
#5366 is for Palagi.

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

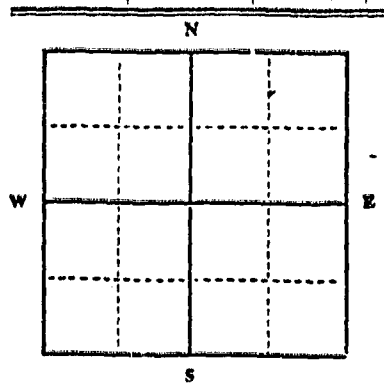
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe .....

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

ESTIMATED ANNUAL WITHDRAWAL .....

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 5/8	4"	0	120	PLASTIC	100	120
				5/8" HOLES		



Static water level 38' ft.*
Pumping water level ft.*
at 40 gallons per minute,
measured 10 minutes after pumping began.
*Measured from ground level.
Well developed by pumping
for 4 hours.
Power..... Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) .....

..... ¼ ..... ¼ Sec. 20
T. 20 N R. 4 E

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

Driller's Signature Doug Mendenhall

Driller's Address 4026 2nd Ave So

Gt Falls Mont. LICENSE NO. 199

120 Show exact depth of bottom

County ...

STATE OF MONTANA
REGISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

JUN 26 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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: James L. Viola

Address: RTE 41 Box ... Great Falls - 756

Date well started: Apr 26-71

completed: Apr 27-71

For Administrator's Use
File 5365
May 16, 1972 3:05 p.m.
GW 1

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

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

Water Use: Domestic [X] Municipal [ ] Stock [X] Irrigation [ ]

Industrial [ ] Drainage [ ] Other [ ]* Garden/Lawn [ ]

*Describe ...

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

ESTIMATED ANNUAL WITHDRAWAL ...

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 5/8	4"	0	120	Perforated	5 100	120
				5/8" Holes		

Static water level 38' ft.*
Pumping water level ... ft.*
at 40 gallons per minute, measured 20 minutes after pumping began.
*Measured from ground level.
Well developed by pumping for 4 hours.
Power ... Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) ...

N
W E
S

... ¼ ... ¼ Sec. 20
T. 20 N/S R. 4 E/W

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

Driller's Signature: Larry Vandenbeel

Driller's Address: 4026 2nd Ave So
Gt Falls Mont. LICENSE NO. 199

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	3	Topsoil
3	18	Sand stone
18	31	Shale
31	50	Sandstone
50	70	Sand & Gravel
70	102	Sandstone
102	120	Gravel

120 Show exact depth of bottom

50,718

53605

?

STATE OF MONTANA, }
County of Cascade. } ss.

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

MAY 16 1972

at 3:05 o'clock P. M.

J. E. [illegible]INON
County Clerk and Recorder

By [illegible]
Deputy

RECEIVED
1972
County [illegible]

DRILLER'S LOG 20

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

(Elev. above sea level) _____
Ground

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—41933

File No.....

STATE WATER CONSERVATION BOARD
RECEIVED
SEP 13 1965

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

DUPLICATE

County Cascade

REFERRED TO.....

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)

This well was drilled many years before we bought the property. Original well disappeared after an earthquake & this was drilled as far as we can gain information between 1927-1944. We bought in June 1944. We have always had plenty of water & been able to irrigate all day

Owner Joseph Mary Connelly Address Rte 1 Great Falls Montana

Driller Mr. Brown (deceased) Address Great Falls Mont.

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

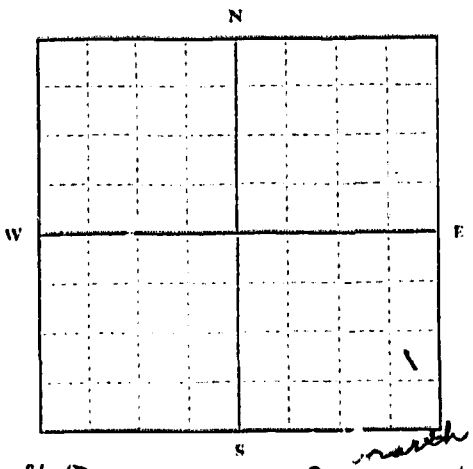
Date well started.....Date Completed.....

Type of well deep (dug, driven, bored or drilled) Equipment Used don't know (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)
	4" solid casing					



N.E¼..... Sec. 20 T. 20 north Range 4

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

102 feet

Show exact depth of bottom.

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

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

Pumping Water Level.....40.....feet at.....gal. per minute.

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

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).....

owner

Mary Connelly

Driller's License Number

J. M. Donally

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.

34578

4868

STATE OF MONTANA, }ss.
County of Cascade.

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

SEP 10 1965
Date

at 12:10 o'clock P M.

J. L. LENNON
County Clerk and Recorder.

By [signature]
Deputy.

GV

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.

T. R.

DUPLICATE

County

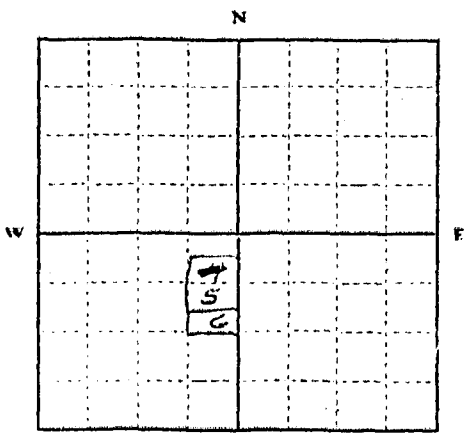
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 9 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. LOUISE M. COOPER (Name of Appropriator), of P. O. BOX 969 (Address), GREAT FALLS (Town)
County of CASCADE State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



10 acres Lots 4 and 5 Blk 1 Eaton Add.
SE ¼ Sec. 20 T. 20 R. 4 East

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 small garden and lawn

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
By centrifugal pump near dwelling

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

8. The depth of water table 9 to 14 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 Suction 9 to 14 feet

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 Louise M. Cooper

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.

28565

4580

GV

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.

T. R.

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

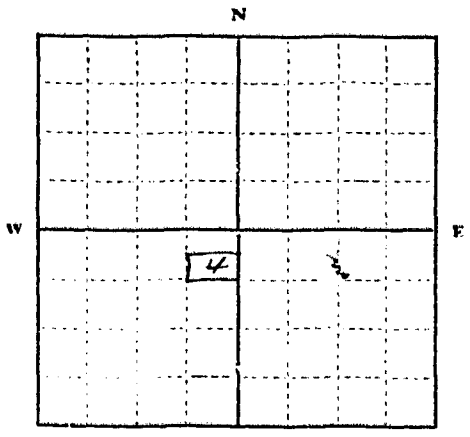
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. LOUISE M. COOPER (Name of Appropriator), of P. O. BOX 969 (Address) GREAT FALLS (Town)

County of CASCADE State of MONTANA

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



5 acres Blk 1 Lot 4 Stan Add.

SE ¼ Sec. 20 T. 20 R. 4 East

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 small garden and lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935 continous to date

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal By centrifugal pump near dwelling

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1935

8. The depth of water table 9 to 14 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 Suction 9 to 14 feet

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 Louise M. Cooper

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.

28564

45-79

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42254

File No. .....

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

DUPLICATE

County .....

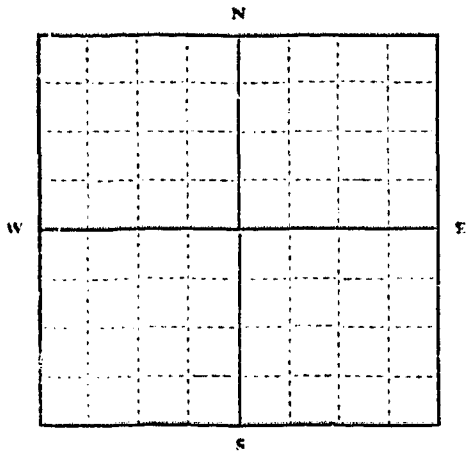
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. May A. Elmore, of Rt 1 So. 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:



N.E. ¼ Sec. 20 T. 20 N. R. 4 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: Domestic, garden, livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July, 1957
Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 8 to 10 gal. min.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: July, 1957

8. The depth of water table: 32 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled hole – 6" casing, 16 ft. deep

10. The estimated amount of groundwater withdrawn each year: 4,178,450 gal.

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

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

Signature of Owner: May A. Elmore
Date: Jan 2, 1964

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.

28641

4656

STATE OF MONTANA } ss.

JAN 2 - 1964

11:20 A.M.

Deputy.