

State Addition)  
\*Describe  
use: If used for irriga  
state number of ac  
Water Use: Domestic ☒ Industrial ☐ Drainage ☐

*Handwritten:* Indicated in red on  
Special Instructions:  
note of the following special instructions:  
As the Administrator of the Groundwater  
Sam W. Mitchell Building  
Helena, Montana 59601  
Department of Natural Resources and Conservation  
Water Resources Division  
Engineering Section  
Groundwater Bureau

14,555

STATE OF MONTANA }  
COUNTY OF FLATHEAD } ss  
Filed on the 9 day of Nov  
A.D. 1932 at 11:50 o'clock A M  
MT  
County Clerk and Recorder  
By LLW Deputy

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 John Schrade

Address Rte. # 1

Kalispell, Montana 59901

Date well started 1946

completed 1946

For Administrator's Use

File 14,555

Nov. 9, 1972 H.S. Lam

GW 1

Type of well 6" Drilled  
(Log, driven, bored or drilled)

Equipment used drill  
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☒

\*Describe

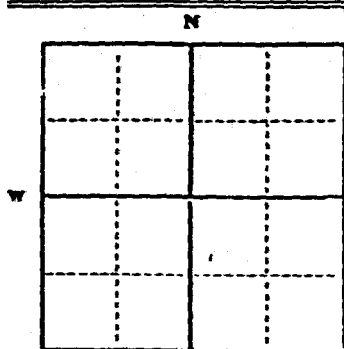
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block

and Addition).

ESTIMATED ANNUAL WITHDRAWAL 365,000 to 500,000 gal.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	heavy duty	0	171			

RECEIVED  
JAN 26 1973  
MONTANA DEPARTMENT OF NATURAL RESOURCES



Static water level 17 ft.\*  
Pumping water level 15 ft.\*  
at 10 gallons per minute,  
measured 15 minutes after pumping began.

\*Measured from ground level.

Well developed by \_\_\_\_\_  
for \_\_\_\_\_ hours.

Power etc Pump 3/4 HP

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

1/4 Sec.

T. 2 N. R. 1 E. W  
S.

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

Driller's Signature Will Ramsey, Secured

Driller's Address \_\_\_\_\_

LICENSE NO. \_\_\_\_\_

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) 2959

From (Feet) 171 To (Feet) 17

171 ft. Show exact depth of bottom

51,285

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 Arthur Schreder  
Address Rt 1  
Kalispell, Mont  
Date well started Aug 24/72 GW 1  
completed Sept 22/72

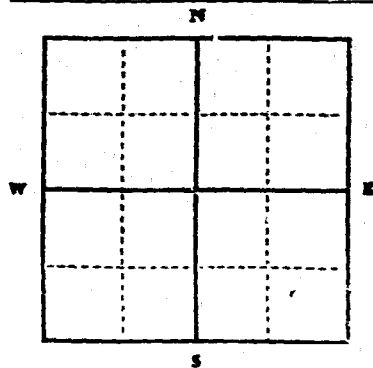
For Administrator's Use  
File 14529  
Oct 11, 1972 1:20pm

Type of well Drilled  
(Dig, drives, bored or drilled)  
Equipment used 2 1/2" Bauer - Erie  
(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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
7 1/2" ID	23"	118 ft		1/2" Hole
5 1/2" ID	17"	172 ft		From (Feet)
				To (Feet)



Static water level 153 ft.  
Pumping water level 167 ft.  
at 4 gallons per minute,  
measured 4 minutes after pumping began.  
\*Measured from ground level.  
Well developed by driller  
for 6 hours.  
Power          Pump          HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

1/4 Sec  
T          (N) R          E  
S          (W)

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

Driller's Signature Homer McClarty  
Driller's Address 945 5th Ave. N.  
Kalispell, Mont. LICENSE NO. 18

29N-21W  
County Flathead

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.

From (Feet)	To (Feet)	
5 ft		Top soil
		Gravel + Cobble with clay
11 ft		Hard pan
		Hard pan with large boulders
62 ft		Hard pan
118 ft		Hard pan with large boulders
142 ft		Cobble
		Gravel
153 ft		Course sand & gravel
164 ft		Gravel
		Course sand
		Water

173 ft show exact depth of bottom  
51,590

ESTIM  
and  
USE: If used  
state r

Describe  
Industrial  
Water Use: Domestic  
Equipment used  
Type of well  
Date well started  
Address  
Owner

(Under Chapter 237 Montana Session Laws, 1961, as amended)  
This form to be prepared by driller, and Recorder  
by the owner with the County Clerk and Recorder  
form may be returned.  
Please answer all questions. If not applicable, so  
indicate.  
NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL  
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD  
Developed after January 1, 1962

14, 529  
STATE OF MONTANA  
COUNTY OF DEERHEAD  
Filed on the 11th day of Oct  
A.D. 1971 at 2:00 Clock PM  
M.S.  
County Clerk and Recorder  
By  
Deputy

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, 1952

(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 Martin J. Traver

Address Highway 93 N. Rt 3

Kaliapell, Mont.

Date well started Feb 19, 1973

completed Mar 21/73

Type of well Drilled

Equipment used 2 1/2" Budyna-Bull

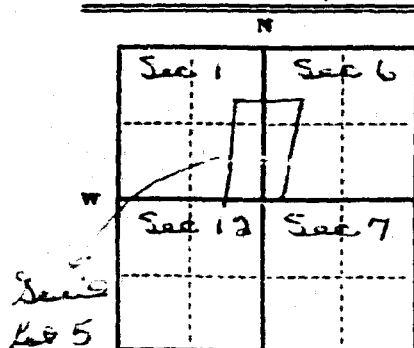
Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*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
7" 10' 23'	23'	306'	8'	Kind Size From (Feet) To (Feet)



1/4 Sec. 6 + 1  
T. 29 N. R. 21 W. S. 22

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

Driller's Signature Homer McCarty

Driller's Address 945-5th Ave St

Kaliapell, Mont LICENSE NO. 18

McCarty Well Drilling

RECEIVED

MAR 30 1973

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

29N-21W  
County Flathead

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) 2980

From (Feet)	To (Feet)
2 ft	Top soil
	Hard pan with pebbles
	Color cream
138 ft	Hard pan
186 ft	Gravel
	Gravel
	Gravel
229 ft.	Hard pan
	Color brown
301 ft	Coarse sand
	Gravel
	Water

312 ft Show exact depth of bottom

52,773

#14,649

STATE OF MONTANA } SS  
COUNTY OF FLATHEAD }  
Filed on the 29 day of May  
A. D. 1922 at 2 o'clock P. M.  
MT  
County Clerk and Recorder  
By [Signature]  
Deputy

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

GW 4

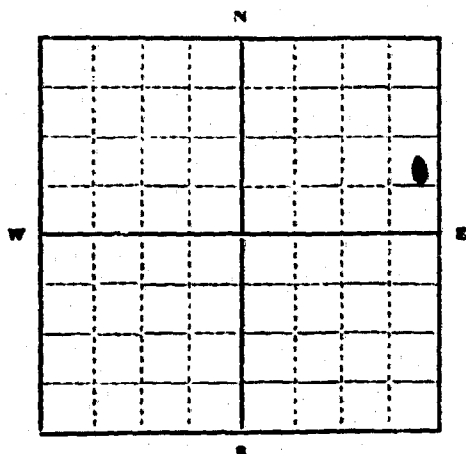
T. 29 N R. 21 W 7  
County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

I, Street, Robin of R. 1 Kalispell  
(Name of Appropriator) (Address) (Town)  
County of Flathead State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 7 T. 29 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 House hold + Stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920 Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gal. per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
Garden 100 x 50 Robin Street
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
3/4 horse electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1920
8. The depth of water table 10'
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 Concrete Casing 6 x 20
10. The estimated amount of groundwater withdrawn each year 109500
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

Signature of Owner Robin Street

Date 12-20-67

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.

22741

10563

FILED IN 30 DEC  
A. 1963-35  
Glen E. Mulholland  
County Clerk and Recorder  
BY: Keith



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

T. 29 R. 21 S. 8  
County Glenn

TRIPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Vallie Bucher Address Glenn  
Driller Homer McClary Address 945 5th St. N.

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

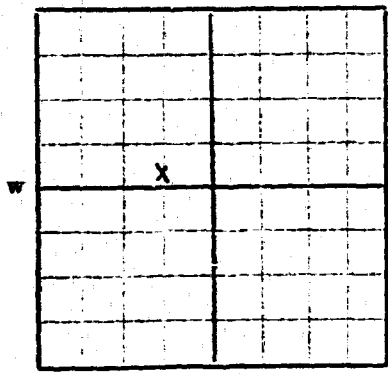
Date well started July 25/66 Date Completed Aug 8/66Type of well Drilled Equipment Used 2 1/4" Bucyrus Erie  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

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

Top of Ground  
(Elev. above sea level 2975)

Sand  
20 ft  
Coarse  
silt  
8.5 ft  
Clay  
90 ft  
Clay  
& gravel  
210 ft  
Clay  
sand & gravel  
supers  
244 ft  
Coarse  
sand  
Water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7" O.D.	23"		249			



SE 1/4 NW 1/4 Sec. 8 T 29 R 21

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

249 ft.  
Show exact depth of bottom.Static Water Level for non-flowing Well 114 feet

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

Pumping Water Level 140 feet at 15 gal. per minute.

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

How Tested Bailer Length of Test 3 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) \_\_\_\_\_

Driller's License Number 18Driller's Signature Homer McClary

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.

44277

13804

STATE OF MONTANA } ss  
COUNTY OF FLATHEAD }  
Filed on the 7 day of June  
A.D. 1968 at 12<sup>50</sup> o'clock P.M.  
County Clerk and Recorder  
By \_\_\_\_\_

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

GW 4

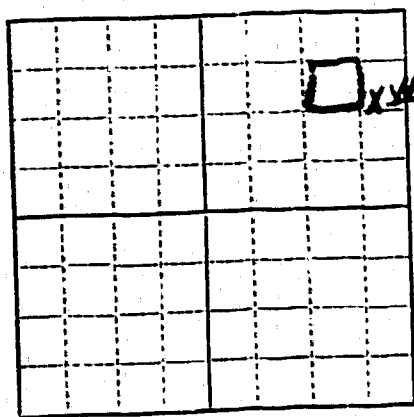
T 29 N 21 W 8  
County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James W. Dye of Rte. 1 Malissell  
(Name of Appropriator) (Address) (Town)  
County of Flathead State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 8 T 29 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 Domestic water use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1954 continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 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  
Garden & lawn irrigation  
1/4 acre James W. Dye
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
2' concrete tiled well, one electric  
215 ft deep
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April, 1954
8. The depth of water table 5 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.  
2' concrete tiled 14 ft. deep well
10. The estimated amount of groundwater withdrawn each year 200,500 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 James W. Dye

Date Oct. 18, 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.

22725

10 542

STATE OF CALIFORNIA  
COUNTY OF PLACER

Filed for the 302nd time

A.D. 1903 at 308 o'clock P.M.

Glenn E. Melhauer  
County Clerk and Recorder

37 Clench

Dep'ty

File No.

GW 2

T

R

County Flathead

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)

Owner R. J. Hamill Address Dillon, MontanaDriller Argyle Hendricksen Address Kalispell, Mont.FILE 14, 71

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

TIME 9:15 A.M.Date well started May 15, 1969 Date Completed May 26, 1969DATE June 15, 1973Type of well Drilled Equipment Used Drill  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☒  
Industrial ☐ Drainage ☐ Stock ☐

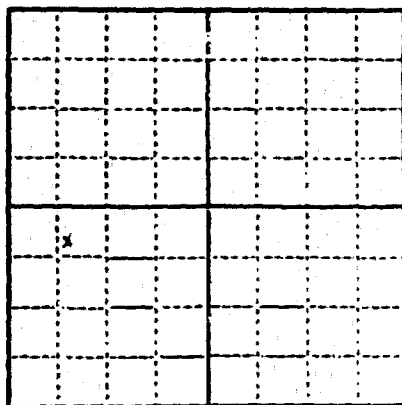
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Sand - 135'

Static Water  
Level - 110'

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
7"	7" OD	0	255	X	X	X

Silt - 69'



Clay and Gravel - 40'

NW 1/4 Sec. 8 T29 R21

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

Water Sand 11'

Show exact depth of bottom.  
Bottom 255'Static Water Level for non-flowing Well 110 feetShut-in Pressure for Flowing Well Not ApplicablePumping Water Level 150 feet at 120 gal. per minute.Discharge in gal. per min. of flowing well Not ApplicableHow Tested Boiler Length of Test 6 Hours

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

Driller's License Number 153

Argyle Hendricksen  
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.

53,579

14711

STATE OF MONTANA }  
COUNTY OF FLATHEAD } SS  
Filed on the 5 day of June  
A. D. 1933 at 9 o'clock AM  
MT  
County Clerk and Recorder  
By [Signature] Deputy

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

GW 4

T 29N R 21W  
County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

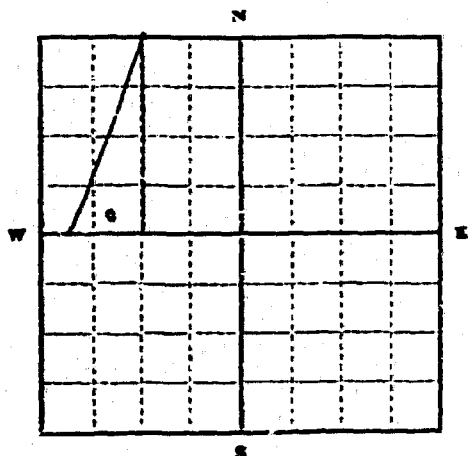
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

**RECEIVED**  
DEC 10 1963  
**STATE ENGINEER**

1. Arnold Kaiser of H.F.D. 1 Whitefish  
(Name of Appropriator) (Address) (Town)  
County of Flathead State of Montana

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



n.w. 8 29n 21w.  
n 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 & irrigation

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been  
April 29 1960  
Constant

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  
7 acres

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater Not known

8. The depth of water table 9 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 Concrete lined dug well  
3 ft. x 3 ft. x 12 ft. depth

10. The estimated amount of groundwater withdrawn each year 25,000 Gal.

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

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

Signature of Owner Arnold Kaiser

Date Nov 21, 1963

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

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

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

6370

9356

STATE OF MONTANA  
COUNTY OF FLATHEAD

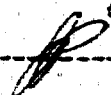
Filed on the 2nd day of Dec

A. D. 1943 at 1:10 o'clock P.M.

DEM

County Clerk and Recorder

By



Deputy



Fi No. \_\_\_\_\_

GW 4

r. 21 N 21 W \_\_\_\_\_  
County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

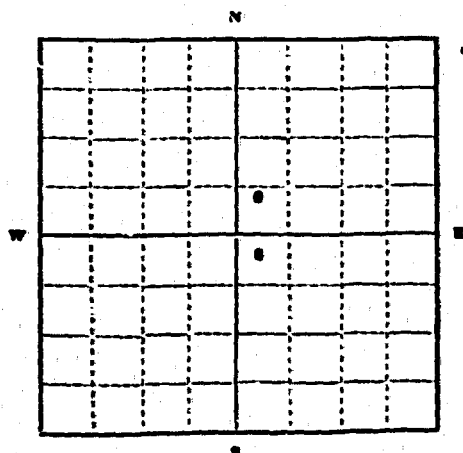
RECEIVED  
DEC 30 1963

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Elsie Patterson, of Route 3 Kalispell  
(Name of Appropriator) (Address) (Town)  
County of Flathead State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:



NE 1/4 NE Sec 8 T29 R21

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--home and livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
1904-1905. Used constantly since then
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gals. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
Not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approximately 1904 or 1905
8. The depth of water table About 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  
Approximately 18 to 20 feet deep, 16 inch casing (There is a water hole in the SW 1/4 Sec. 5, Twp. 29 N. Range 21 West, which is 4 or 5 feet deep and 6 feet in diameter and used for watering stock. Designated as water hole on map)
10. The estimated amount of groundwater withdrawn each year Approximately 30,000 gals.
11. The log of formations encountered in the drilling of each well if available  
This information 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  
All of the above questions except that in parenthesis in Answer 9 applies to the well on such property.

Signature of Owner Elsie Patterson

Date December 20, 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; Triuplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

4489

10105

STATE OF MONTANA ) SS  
COUNTY OF PLATHEAD )  
Filed on the 20 day of Dec  
A.D. 1962 at 4:02 o'clock P.M.  
J.E.M.  
County Clerk and Recorder  
By J.W. Deputy

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

GW 4

T. 29 N R. 21 W  
County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

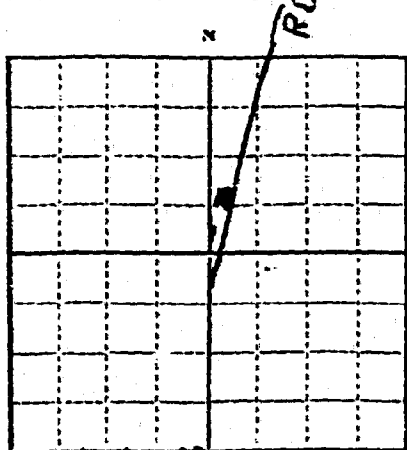
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 6 1964

STATE ENGINEER

1. Schroeder, W.M. H. of Route, one Kalispell  
(Name of Appropriator) (Address) (Town)  
County of Flathead State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



PT. SW  $\frac{1}{4}$  NW  $\frac{1}{4}$  W.  $\frac{1}{2}$  RD.  
Sec. 8 T. 29 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 household  
and cattle

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been 1948  
all the time

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 30 gal per min

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

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal  
One horse electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater Nov. 1948

8. The depth of water table 10 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  
concrete casing  
4' X 15'

10. The estimated amount of groundwater withdrawn each year 90,000

11. The log of formations encountered in the drilling of each well if available  
6 ft of sand 9 ft of clay

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

W.M. H. Schroeder  
Date Dec, 30. 63.

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

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

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

23013

10843

31 day of Dec  
63 at 11:30 A.M.  
S. E. M.  
County Clerk and Recorder  
27 S. L. H.  
Deputy

File No. 14279

GW 2

T 29 R 21

Filed for 12

this 12

A.D. 19 71

O'clock A

RECEIVED

MAY 13 1971

County Fitzhugh

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)

Owner Richard Sutton Address Helispell, Mont.

Driller Erlye Hendrickson Address Helispell, Mont.

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

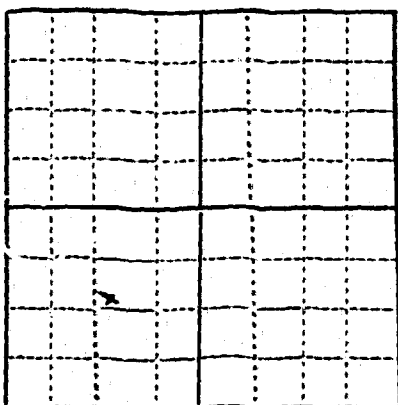
Date well started May 23, 1968 Date Completed June 14, 1968

Type of well Drilled Equipment Used 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	From (Feet)	To (Feet)
7"	7" OD	0	257	X	X	X



Clay and Gravel 61'  
NE 1/4 Sec. 2 T29N R21W  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Water Sand 7'  
Show exact depth of bottom.  
257 Feet

Static Water Level for non-flowing Well 40 feet.

Shut-in Pressure for Flowing Well Not Applicable

Pumping Water Level 40 feet at 12 gal. per minute.

Discharge in gal. per min. of flowing well Not Applicable

How Tested Enter Length of Test 4 Hours

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

Driller's License Number 153

Driller's Signature [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.

48460

#14, 279

STATE OF MONTANA  
COUNTY OF FLATHEAD SS

Filed on the 12 day of May  
A.D. 1971 at 12:00 Clock P.M.

*[Signature]*  
County Clerk and Recorder

By *[Signature]*

Deputy

RECEIVED

County Flathead

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 **Warren Williams**

Address Route 1, Birch Grove

Kalispell, Montana 59901

Date well started 9/19/72

completed 9/22/72

Type of well Drilled

Equipment used Air Rotary

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒

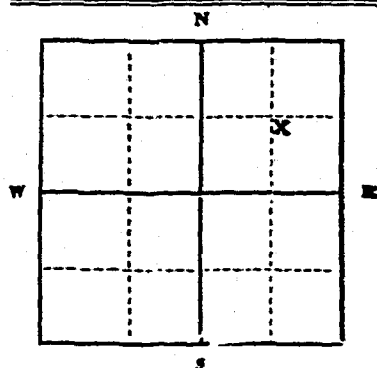
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☒

**\*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). Approx. two acres

ESTIMATED ANNUAL WITHDRAWAL 13,140,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 <sup>5</sup> / <sub>16</sub> " OD x 1 <sup>1</sup> / <sub>2</sub> "	+ 2	2 39' 4"	N	O N	E
	Gravel Pack				239' 4"	252' 6"



SE  $\frac{1}{4}$  NE  $\frac{1}{4}$  Sec. 8  
T. 29 N. R. 21 W.

Static water level 139 ft.  
Pumping water level 158'6" ft.  
at 25 gallons per minute,  
measured 120 minutes after pumping  
began.

\*Measured from ground level.  
Well developed by Air Lift Pump  
for Two hours.

Power Diesel Pump 150 HP  
Remarks: (Gravel packing, cementing,  
packers, type of shut-off) All water  
entering well through  
natural gravel pack.

Wells in this area can  
be depended upon to

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

**LIBERTY DRILLING COMPANY**

**Driller's Signature**

Driller's Address Highway 93 South

Kalispell, Montana 59901

LICENSE NO. 52

## 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 approx. (Elev. above sea level) 3000'

From (Feet)	To (Feet)	
0	1	Sandy topsoil
1	46	Fine sand
46	66	Tan silty clay
66	119	Claybound gravel
119	168	Gravel mixed in gray silty clay
168	199	Small gravels mixed in brown silty sand
199	219	Brown silty sand with gravel mixed in
219	239	Fine brown silty sand and gravel. Water.
		Formations too fine to successfully develop well
239	252	Clean coarse brown sand and gravel. Water

252'6" Show exact depth of bottom  
Water rises in well 139 feet  
from surface.

51,786

14. 55-2

STATE OF MONTANA } SS  
COUNTY OF FLATHEAD }  
Filed on the 8 day of Nov  
A. D. 1942 at 2:30 o'clock P. M.

County Clerk and Recorder

By Don Deputy

produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 6 percent of the tested capacity of the aquifer.



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

GW 4

T. 29N R. 21W 9

County \_\_\_\_\_

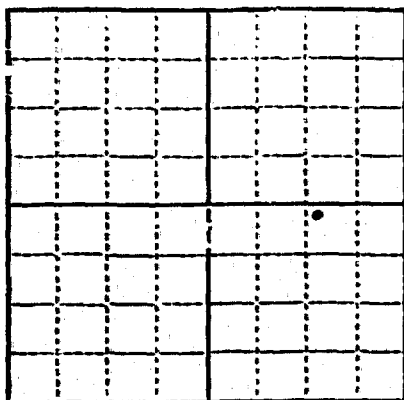
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 6 1964  
STATE ENGINEER

1. Berch Grove School #66 of Rt 1 Kalispell  
(Name of Appropriator) (Address) (Town)  
County of Hathead State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE  $\frac{1}{4}$  Sec. 9 T. 29 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

Drinking purposes

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

Oct 1, 1962  
Continuous for nine teaching  
months

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

8 gallon 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

1/4 H.P. Electric driven pump

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

Oct 1, 1962

8. The depth of water table

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

6" Well casing - 20 ft. deep

10. The estimated amount of groundwater withdrawn each year

2500 gallon

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

Gravel and Sand

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

Berch Grove School #66  
Signature of Owner Earl Fritz (Clerk)

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.

10939

STATE OF MONTANA  
COUNTY OF FULTON SS

Filed on the 31 day of Dec  
A. D. 1963 at 12 o'clock P. M.

E. C. M.  
County Clerk and Recorder

By L. L. H. Deputy

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

GW 4

T. 29 N R. 21 W 9

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. RALPH S. & SHIRLEY BRUNER

(Name of Appropriator)

of Rt. 1

(Address)

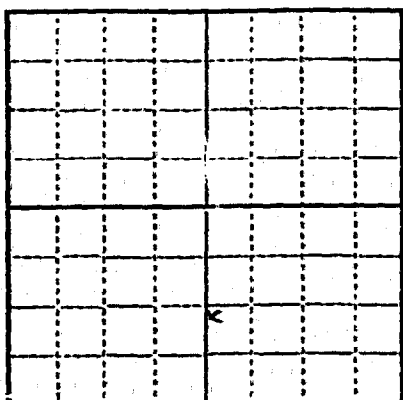
Kalispell

(Town)

County of Flathead

State of Mont.

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



SW 1/4 Sec. 9 T. 29 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 Domestic, Stock & Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Began Daily since 1940

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 gal. per min.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre Garden area

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 Prior owner, unknown

8. The depth of water table 10 to 20'

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 Shallow well pump 12', 12' deep

10. The estimated amount of groundwater withdrawn each year 100,000 gal

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

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

Ralph S. Bruner

Date Dec. 31, 1963

Wernon M. Hornath, Notary Public  
NOTARY PUBLIC for the State of Montana

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.

23071

10961

STATE OF NEW YORK  
COUNTY OF FARMINGDALE SS

Witness on the 31 day of Dec  
A.D. 1963 at 12:50 o'clock P.M.

E. C. M.  
County Clerk and Recorder

By E. C. M. Deputy

-----

290-2149  
County Flathead

**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.

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

**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 Sam Casne Erlyn Casne

Address RT 1 File 4659

Kellogg meat April 2, 1973

Date well started Oct 11 GW 1 3:19 p.m.

**completed**

Type of well sand point  
(Dig, driven, bored or drilled)

Equipment used UN known  
(Chain drill, rotary or other)

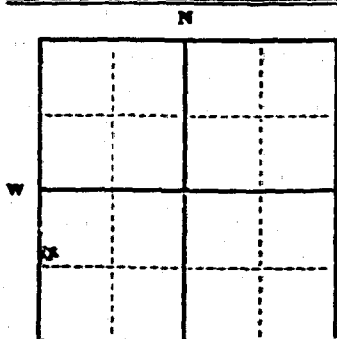
Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*Describe 10-16

**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**

[illegible]

Static water level ..... ft.  
Pumping water level ..... ft.  
at ..... gallons per minute,  
measured ..... minutes after pumping  
began.

\*Measured from ground level.

Well developed by

for \_\_\_\_\_ hours.

Power Electric Pump 7/4 HP

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

T S R E

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

Driller's Signature \_\_\_\_\_

Driller's Address \_\_\_\_\_

**LICENSE NO**

Show exact depth of bottom

52,906

H. 659

STATE OF MONTANA } SS  
COUNTY OF FLATHEAD }

Filed on the 3 day of April  
A. D. 1923 at 3:12 o'clock P M

MT  
County Clerk and Recorder  
By SAK Deputy

T. <sup>^</sup> <sup>^</sup> It <sup>'\*</sup> <sup>'</sup>

County \_\_\_\_\_

STATS OF MONTANA  
ADMINISTRATOR OF GROTHDWARER CODE  
OFFICE OF STATE ENOIXER

## Declaration of Vested Groundwater Rights

(Under Chaptsr 237, Montana Session Laws, 1961) £ ] ft, £ LN (i I ft E£R

L-^I^/<rfc^g^,"XA^Z^L^^dL^., of \_y ^ / /l d=Jt \*\* sj f^K^K  
 (Name/cfi Appropnator) i (Address - V-- // (Town)  
 County »f-^A^>f Lj-e-i \*i<-L^ Sj^nt.-of ""^Lr-i \*fc h-<?>  
 have appropriated groundwater according to the Montana laws in effect prior to January 1,1962, as follows

[illegible]

*StoVJtbfi.*    SecJL Tib^Ki^

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1-25-57 17-2-57 1-1-58

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

6- The means of withdrawing sucu water from the ground and the location of each well or other means of withdrawal-\_\_\_\_\_

7. The date of commencement and completion of the construction of the well, wells, or other -works for withdrawal of groundwater\_\_\_\_\_ *fi*\_\_\_\_\_ *£*\_\_\_\_\_.

8. The depth of water table \_\_\_\_\_; \_\_\_\_\_

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

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. ^.^.^fci^\_i^—/-fc.^±\*≤\$4&\*-

$$JM \gg J_{\text{L}}/J \gg 1/4 \gg \dots$$

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

**PW;-e 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.**

$$f(z) = \frac{1}{z} + \frac{1}{z^2} + \frac{1}{z^3} + \dots + \frac{1}{z^n} + \dots$$

$\frac{C^0 \wedge T}{\mathbf{oF}} = w!u \S_m''ss \quad \backslash \cdot \cdot \cdot i:N$

$$Xr_m = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} e^{-\frac{1}{2}\lambda^2} \cos(\lambda x) d\lambda$$



Comity \_\_\_\_\_

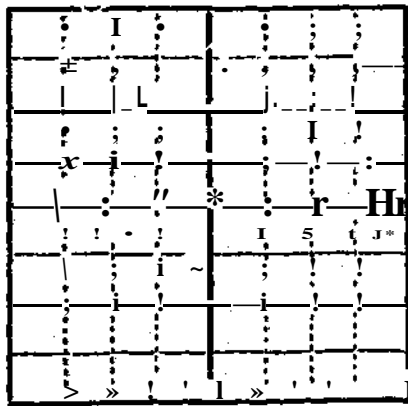
STATE OF MONTANA  
ADMINISTRATOR OF GEOTECHNICAL SURVEYS  
OFFICE OF STATE ENGINEER

\_\_\_\_\_  
D<sup>h</sup>, U<sup>h</sup> J C I V fe. | H |

LaijAmi «K\* U

**Declaration of Vested Groundwater Right<sup>8</sup>**  
(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

\_\_\_\_\_  
(Name of Appropriator) (Address) (Town)  
County of \_\_\_\_\_ State of \_\_\_\_\_  
I hereby appropriate groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



vtHZ\*  
M-T-A-S-E-E-L-T-2-5-R-2/-  
Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based is \_\_\_\_\_  
\_\_\_\_\_

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

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 \_\_\_\_\_  
\_\_\_\_\_

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal \_\_\_\_\_  
\_\_\_\_\_

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

8. The depth of water table \_\_\_\_\_  
\_\_\_\_\_

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

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 which may be useful in carrying out the policy of this act, including reference to book and page of any county record \_\_\_\_\_  
\_\_\_\_\_

Signature of Owner, \_\_\_\_\_

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.

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C...V... /...  
t^5? SvV? V...  
f...  
...

^...TTCFTtffcJSVJ... gg  
CbyFCY-yF...ty^A'niCAOV...  
• • • Filed on the 3<sup>rd</sup> day of May 1954  
A-D., S<sup>0</sup>43LCS...  
*He m*  
• • • Os«atrOsdtea-oiBecrasri...;

The ^fc-JSL...  
... T...

T i'-'B *to y*

DE, JAN g g g f J^

(Under Chapter 237, Montana Session Laws\* 1961).

(Address)    ^ ^    ' y ^ :    (Town)

2. The teneGckl use on which, the claim is based-JL-1 \_\_\_\_\_<sup>^</sup>f;—  
\_\_\_\_\_ r^T^t^=^u^t^
- 
3. Date or approximate date of earliest beneficial toe; and how con-  
dauons the use has been\_\_\_\_\_.;——y-f-iC \_\_\_\_ ^y=\_\_\_\_\_  
\_\_\_\_\_ r^Tze <ffo2/J ff # ^>U^\_\_\_\_\_  
\_\_\_\_\_ ~CU^~a 'WJ'^Z? J <tj\*n&<\*>  
\_\_\_\_\_  
\_\_\_\_\_ \*
- 
4. The amount of groundwater claimed (in minr's inches or gallons  
per minute)\_\_\_\_\_ \*£Z2      &3~\*      P;j4^f\_v-
5. If ttsad for irrigation,, give the acreage and description, of the lands  
tt> 3ffhich water has been applied and name of ttg^owner thereof

6. The means of withdrawing such water from the ground and the well or other means, & of withdrawal.....

zJSfejfe^fega^"

- n:—z~n—z—** **^^.^l.^"^^^3^E**  
 |J.^: TM .-^ *Two wells sand points 12'x*

- Signature of Owner. ^^^^djP.-.^Ujt^l

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

' r /tps: . . •'

Unauthenticated  
Download Date | 6/16/16 1:10 PM

$$I = \frac{1}{V} \int_V d^3x \left( \frac{1}{2} \dot{\phi}^2 + \frac{1}{2} (\nabla \phi)^2 + V(\phi) \right), \quad (1)$$
$$| \Lambda |^{1/2} | \dot{\Lambda} |^{1/2} = -\frac{1}{2} \left( \frac{d}{dt} \right) \ln |\Lambda|$$
$$f'(\cdot) \geq \cdot \quad \text{and} \quad f'(\cdot) \leq \cdot \quad \text{for} \quad \cdot \in \mathbb{R}^n$$

**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.**

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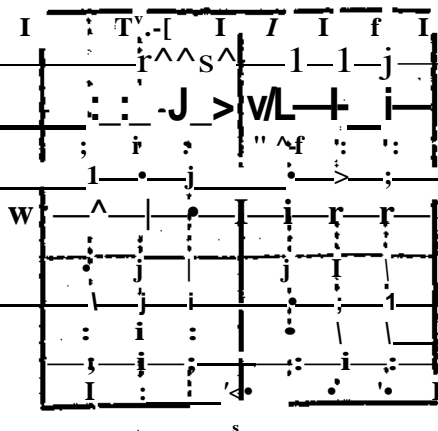
STATS OF MONTANA  
ADMTKISTEATOR OF SKOUHDWAIER OODBj  
OmCS OF STATS EHGHEEK

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JJj  
^^^ 6 t9W

### Declaration of Vested Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

i J2XA\*\*JL^M~<L G\*L+^\*\*J, of^~^/.^\_---&«&^L<JX/\_  
(Name of Appropriator) (Address) (Town)  
County of T A Q U State o\* ^y<fr<A Z A<Ae>  
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 |mw)&i&f'\*\*\*\*^\*|\*4^>  
MZAJuJsU&sL^M\*Ut^\* \*sv\*y\*~^>

3. Date or approximate date of earliest beneficial use; sod how eon-  
tinuotts the use has b>>n / 7\*JO <\*>|7^\*^<4^> well  
X J ^ ^ ^ C

4. The amount of gromtdwater claimed (ia miner's inches or gsltons  
per minute)—9£S£±4£~JLf££.£f.1?L^JJ'.t\*ttfffJPf~>  
~&4''Q~\*~t^~3?r~i\*'  
^ ^

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

iee %Msecf Tj^f R~A

zzz.n:iz:zu'

Indicate point of appropriation  
place  
Sdlsman tpJS'^SS^  
aeres.

6. The means of withdrawing mch water from the ground and the  
location of each well or other means of wi&drawmUI/Sb^\*«rM^M^

1. The date of commencement and completion ot, the construction of the well, wells, or other works for with-  
draws! of groondwater—^L^r^iJL^M...\*e\*~\*\*\*/.....

8. The depth of water Uble.™..<=^p\*... JL<?. ££''.....

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 grotmdwater.^-^..<^ife:\*rWLJ^vL;;r..iJi.^£L^Jt^..i^LJa^e....IT, ... / ... V. jHT,  
Cu<\_i^3>\*~a^&~^=^t^/«<<U^Cl

10. The estimated amount of grotmdwater withdrawn each y\*\*x-jfsL\*z~%\* . ^t4h. ~..\*\*>~z~. &ac=i. —itSz d&cGrd

11. Tne log of formations encountered in the drilling of each well if aväuableIeiaK^d\*atf<^6Jb^a2iZ\_

12. Sueh other information of a similar nature as may be useful in. carrying out the polky of this act, ineihidmg  
reference to book and page of any county record—None

Signature of OwnerJLJ^JLJ^C~iffi^ikxzd

Date4^r^ ^ ^ -4

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 tie form will be returned.

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

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ci::rn c?in::ni^D% -\* 10m^

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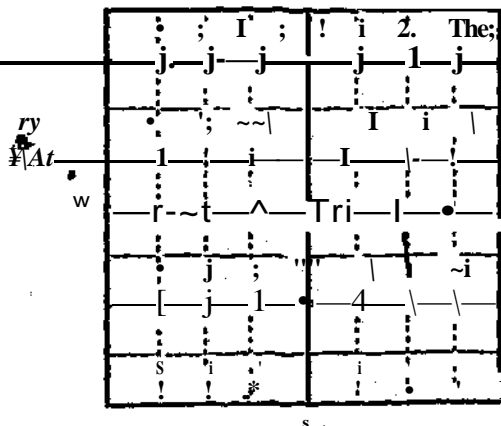
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STATE OF MONTANA  
ABMIXBTBOK OF O&OTJHDWATER CODS  
OFFICE OF STATE EKOISSEK

Fo ~Z CE I ~" 'l.fH^  
IfiV A<iAM I\*J  
uu DEC301963 .^

Declaration of Vested Groundwater R» gH\* All'fcWta",MCCI>  
(Under Chapter 237, Mbw e: \*f&a L\*w«, 1961) o \* n i \* \*

IJ3JdCTrw3w«s^ ^ ^ Lii \_\_\_\_\_, ot /u-|li \_\_\_\_\_  
(Name, of Appropriator) (Address) (Town)  
Comity of ~H^.-k^CA«Lift^a6iJ^ \_\_\_\_\_ State of ~Cfrn-^rysX^^^fS^a \_\_\_\_\_  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 196% \*\* follow\* r



beneficial, use^on which, the d&m is fr'yj 7<v-^cV-> \_\_\_\_\_  
jS-X^rtJpL-iLitfU^gariu\_rf&f\*~\*J|A .t<<~ \_\_\_\_\_

3. Date or approximate date of earliest^efieiai me; and how et>n-  
tiraons the nse has been, \_\_\_\_\_

i. The amount of groundwater elaimed (ia raiaer's inchea or gaOaam  
per mirote>-iULk\_tf>X. S. / ^ - v w. A>^ \_\_\_\_\_

5. If u^ed for irrigation, give the acreage and description of the lands  
to which water has been allied and name jtf the owner thenof \_\_\_\_\_

fi \$AySk±s\*\*3^VGL. Rjfc \_\_\_\_\_ fl \_\_\_\_\_ q \_\_\_\_\_

Indicate point of appropriation  
and place of if pe ble.  
Each small wjas^repreaoS 10  
acres.

6- The means of withdrawing rach water from the ground and the  
imputioLjof each wellor other means of withdrawal^, "IL, -> \_\_\_\_\_

7. The date of commencement and completion of the construction of the well, weDs, or other works for with-  
drawal of groondwater- \_\_\_\_\_ Jlp~£..o-~\*^ \_\_\_\_\_

8. The depth of water table- \_\_\_\_\_ &TL,j&v \_\_\_\_\_

9. So far a\* it may be available, the type, size and depth of each well or the general speeificationa <fj07' other  
works for the withdrawal of groudwater- \_\_\_\_\_ ^ - ^ . ^ ^ ^ fi ^ y ^ y j ^ - - ^ ^ , ^ ^ f ^ - - F - fa - JI - ^

ZI~7T~ \_\_\_\_\_ " \_\_\_\_\_ " \_\_\_\_\_ " \_\_\_\_\_ ^

10. The estimated amount of groundwater withdrawn each year-/-<d - A-t-£?..cJ.,t. > \_\_\_\_\_ s ^

11. The log of formations encountered in the drilling of each well if available-6Nt\*.-<2A.. <Et&J..7.-£\*s£a\*2\*G^.

zcsr.agc^ ^ ^ ^

12. Such other information of a fimflmr nature as may be useful in carrying out the poliey of this act, inctading  
reference to book and page of any county record^ \_\_\_\_\_

Signature of Owner\_ ^ ( X ^ V ^ I A ^ . , C b - h < J L ^ ^ -

Date-iSL^ \*-£ /9M

Three copies to be tiled 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.



**$\pm J$  -  $Tfl$  - C**

**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.**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 104

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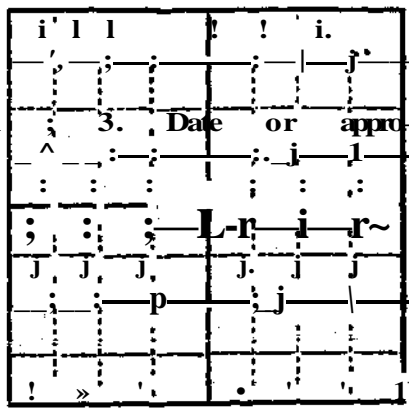
STATE 07 MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

fn^ :? r\* T? j?1/ ^ HTN  
I ft [ \_\_\_\_\_ Mil  
uu DEC301961 - ^

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1951)

o T Alt LPi&ELEER

1. ggllLJ feltars \_\_\_\_\_ > ftmte 1 \_\_\_\_\_ \*TITWU \_\_\_\_\_  
(Name of Appropriator) (Address) (Town)  
County of gla^aa State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962; aa fbDmn:



St %JHL Sec 9 T.4L R 2t  
Indicate point of appropriation.  
d place of n if possible.  
Sich ra isqx ra represents 10

2. The beneficial use on which the claim is based \_\_\_\_\_ hene-ose \_\_\_\_\_  
and irrigating the lam. \_\_\_\_\_
3. Date or approximate date of earliest beneficial use; and how continuous^tiy gy has been \_\_\_\_\_ ^ 5 \* 12 & \*\*\* contingiflg \_\_\_\_\_  
until the presegeFdata \_\_\_\_\_
4. amount of groundwater claimed (in miner's inches or gallons perminnte). \_\_\_\_\_ ? 5 f ? ? IM ^ Le. \_\_\_\_\_
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  
JAWI and garden.
6. The means of withdrawing such water from the ground and the

'''Range Zi: \_\_\_\_\_'''

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater^TMJS? a iJ.9.4a\* \_\_\_\_\_
8. The depth of water table \_\_\_\_\_ ia.5-JCeat \_\_\_\_\_
9. So far as it may be available, the type, size and depth of each well or the gtneral specifications of any other works for the withdrawal of gronndwater. \_\_\_\_\_ JIMIM JEJ ^ ? 3 & \* a & J ^ ^ J ^ - £ m \* Jk \_\_\_\_\_  
^nd ^e^^i8 l6jteftt ^efli \_\_\_\_\_
10. The fstimated amount of gromtdwater withdrawn each year—15:30 9 Sil&9ftiS<— \_\_\_\_\_
11. The log of formations encountered in the drilling of each well if available—5JfeO.ft ^C tQP \_\_\_\_\_  
8O& ana^Qgn gravel \_\_\_\_\_
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, inchiding reference to book and page of any county record. \_\_\_\_\_ feanjSWftCabltf. \_\_\_\_\_

SgMm of Owm-Xg4pJ-/i-^LMAJlfyA \_\_\_\_\_  
Drt ^Z, ^-^T-^<? \_\_\_\_\_

Three copies to be filed by the owner with the Connty 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 fjid Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Qasvirnplieste for the Appropriator.



File No \_\_\_\_\_ OTF <

T. ^ tt / \ V

County \_\_\_\_\_

STATE OF MONTANA  
AX>UnCBTRATOR OF GBOUHDWATER CODE

OFFICIS OF STATE EKQIHEER

n^ECEI V£fijV.

Declaration of Vested Groundwafer Rignft) ^tt \$ ft64

(Under Chapter 237, Montana Session Laws, 1961)

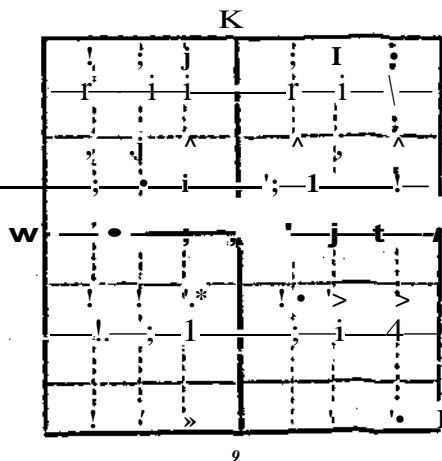
STAIL Lliui.«t.ufv

(Kpne of Appropriator)

(Address)

(Town.) ^

County \*LJ~/^^JLEAGL State otZjdZeJZ.//fW/? \_\_\_\_\_  
have appropriated groundwater according- to the Montana laws in effect prior to January 1\* 1962, aa follows:



/TgSUPA\_Sec/^L. T^iK-^SL/

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 \_\_\_\_\_  
-^^sgL^^^AAsL\_\_^Sfi^&Le\_\_&&£:\_\_\_\_\_

^ Date or approximate date of earliest beneficial use; and how conr  
tinuotts the use has been \_\_\_\_\_

4. <^ne amount of groundwater claimed (in miner's inches or gallons  
per minute) \_\_\_\_\_Z-Q&M\_\_\_\_\_J?<2 fl'^^i^jL^

5. If used for irrigation, give the acreage and description of the lands  
t& -which. water has been applied and name of the owner thereof  
.../&..£-.....<&S£:&L\_\_\_\_\_JEaf-f/Z£S<J/\*jbi:\*<<£.-

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal/yfa^C/tSS-  
Jp/JSte..\*..£\$/?..&- ^/u^£lp-\_\_\_\_\_1  
..st^A^....J&J\*S.<£MJEJ£Z.\_\_\_\_\_£Lazdj&£.\_\_\_\_\_h&J^SjE^

7. The date of commencement and completion, of the construction of the well, wells, or other works for with-  
drawal of groundwater-^T^A.\_\_\_\_/£&&\_\_\_\_\_jQff.M.pJ..^:£^cL-AJT,,-.fCjha.CLZtL.^&'L-  
ZZ/^X<

8. The depth of water table \_\_\_\_/4\_\_\_\_/^J^gofc.\_\_\_\_\_

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 th« withdrawal of groundwater.TM \_\_\_\_\_  
.- L&.^fiLJ&OL-^ U/.JE.&^\*C~~~JZ-.....3-£JZ4Z5£- QLL/LOUZ.:/OfTAZ \_\_\_\_\_  
\_\_\_\_/4C^23L&jL-kl\_\_\_\_\_

10. The estimated amount of groundwater withdrawn each year-/m.jcJLGfl ...^£ y?.\*C :-\_\_\_\_\_

11. The log of formations encountered in the drilling of each well if available... \_\_\_\_\_  
.....&/jej£.\_\_\_\_£^jCL-£IJ£A£ug2i-...:ster.oL^\_z^Le\*:\_\_\_\_\_^L&guuLJsJc

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.....

r 'Z"zziii-~izzii.zz.zziizr.r.iiZ "TM' " ZZZZZZi ZZZZZZr,

Signature of cy^zx.^ss/j.^uL&^&'ZüC-. \*\*£L J

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.

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

•', F.-cdcr. lis^/.c>7^f..^ic^~ r^.

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**JUL 8 - 1963** ^

**ryAlurri**

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\* (Name of Applicant)-

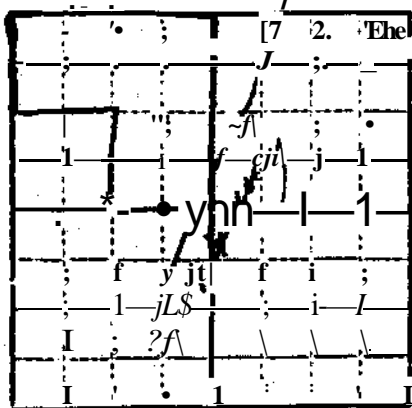
{address) <— . :

(Town)

Comity of\_jfeStC\*=SLt#rc/!

State of  $5sZCa^* \leftarrow d^* = T^* \leftarrow s =$

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



beneficialme on which the claim is based. jLUmft .\*\*^i\*~'

3. Date or approximate date of earliest beneficial use; and how continuous the use has been <sup>11/21/87</sup> 12/1/87

Z|. |Z|Z|Z|

**4.** The amount of groundwater claimed (in miner's inches or gallons — per "—" )

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

\*tef.-v4liuJ&eJ<>- T2\$. ^d  
3S' fi SS^i«^fcdU-

an~~I~~ place of ow, if possible.  
Ea~~J~~ small square represents 10  
acres;

$$t.y. \quad {}^{\wedge}I{}^{\wedge} \text{---}. \text{---},$$
$$\text{---}{}^{\wedge}\&\&\pounds J\pounds *Jif E == Z \text{---}$$

6. The means of withdrawing such water from the ground and, the location of each well or other means of withdrawal \_\_\_\_\_

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater, *ff.g.* \_\_\_\_\_

8. The depth of water table- *O.Jlf...*\_\_\_\_\_.

9. So far as it may be available, the type, size and depth of each well or other general specifications of any other works or the withdrawal of groundwater.  $\%f, \leq \& \vee Z t \sim / \cdot V^{\wedge} T - C X . M A * : \dots \sim \vee n / \Delta : T f \dots J Q^{\wedge} O c r^{\wedge}$

10. The estimated amount of ground-water withdrawn each

11. The loss of formations encountered in the ~~drilling~~ of each well if available. /3-fcf^T... 4 fcp-a/. V^y./t/. —.....

12. Such other information of c. similar nature as may be useful in carrying/ out the policy of this act, including reference to book and page of any countj \*\*\*\*\* ST<^X... rpfir ^ ^ ^ ^ T ^

**Signature of Owner /** \_\_\_\_\_

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 fond will be returned.**

Original to the Connty Clerk and Recorder; duplicate to the State Engineer; Triplette to the Montana Bureau of Min« and Geolomr. and OuadruDlicate for the Appropriator.

STATE OF MOWTAHR t s

*SEM*  
SciCiorJt aidBtaxtim:

Owtft

STATE OF MONTANA  
ADMINISTRATOR OF GBOUNDWATb CODE  
^ K T A M A W A T g ^ S O U ^ B ^

NOTICE OF COMptETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WEL

Pawfapad after January 1, 1\*\*2

Hte^CIMPI^aTJtongySwrieHUw\*, 1961, « amemtad)

**F^znTTTTSZttgrX**

wt^Tihewell is located, last copy to be retained by dnller.

Please answer all questions. If not applicaWe, so state, otherwise the  
form may be returned.

DRILLER'S LOG

Indicate the character, coto, «\*-  
ness\* ^ S ^ S ^ ^ ^  
gravel,  
depthat wh;ch water \* found and  
height Jo which water rises in well.

Top of Ground	fB u * b o u u > i C T < P
Press (Feet)	fj

'ol «^! i«d Afefjgfa!SN

Eqipmrt used -^\*i--i\*"-^\*1\*\*^^S^rt5

Water Use= Domestic ^ Municipal Q Stock D \*\*\*>« D L U I ^ b Z J - 1 PjJIII^r  
mdustri-IO Dn«r-geD Other Q\* Garden/Uwn &

\*Describe

and Addition).

gnMATED ANNUAL WITHDRAWAL

Site of Bate	Site and Wadat - * C I * t	From Ofwat	To Ofwat	PERFORATIONS
				U n « B 1 *

	Static water level	-J&-M
	Pumping ^»ter level	5^2-^ft
	S^J...g^a^o^o^ p" m^mrte^	
	measured.....minutes aiter pumping	
	began-	
	'Measured from ground lev*k	
	Well developed by l-f e i * ; * * * * ^	
	for ^fe-f. hours.	
	Power Pump H.p	
	Remarks: {Gravel packing, cementing,	
	packers, type of shutoff)	

.5.4...VA^LJJA Sec/ZL.....Z^Z^

irZA/-N \*-f-f-3. -T\*^1 "2 " " " " \*

NOICATE LOCATION OF WHX AND Ptace OF USE IF POSSIBLE  
EACH SMALL SQUARE ^RESENTS 40 A.CREI f / y

Driller's StgnahW LJ.

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ytV^ . . . ~ ^ T " si . . . . 7 " JC " ^ Z ^ H o w ex ^ t depth of bottom



T<sup>,,</sup>-AJ W,O  
County

STATE 0\* MOHTAHA  
ADMIHIBTaATOR 07 OROTJHDWATER CODE  
OFFXOE OF STATE SHCOSSEB

JAN. 6 10ftl

# Declaration of Vested Groundwater Rights in California

(Under Chapter 237, Montana Session Laws, 1961)

L-r-^A A^rJJU^ of II-J fviJLft«/\*jt&'  
(Name of Appropriator) (Address) (Town)

County - of r-y-\*AX^L^A\*\_\_\_\_\_ State - J/2-L-^g\_\_\_\_\_  
have appropriated groundwater according to the Montana lam in effect prior to January % 1962, as foHows:

7-1-j-j-j-L-[-j-j-«

The beneficial me on which the »I<sup>TM</sup> it \*—I—AiI—<^0—ai—A—^—f^—  
 $\frac{X \cup \Delta}{X \cup \Delta} \frac{V^*}{V^*} = \frac{\wedge}{\wedge} \frac{\mu}{\mu} \frac{J}{J} \frac{L}{L} \frac{V}{V}$

3. Date or approximate date of earliest beneficial use; and how continued in the area has been. 2/2/20 (SJK/L)

4. The amount of groundwater claimed (in mineral inches or  $W_m$  per minute) IS & & >>

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

Λ. i%<sup>ε</sup> tai Y<sup>^</sup> MJL T£ZRaz.

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

6. The mean, of withdrawing such water from the ground and the location of each well or other means of withdrawal, will be as follows:

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater—<sup>^</sup>2. fSfc\*L. ^ 9-..../\$Et.2.....

8. The depth of water Uble  $\leq k \cdot \langle \cdot \rangle$   $\wedge dsfc$  ..... —————

9. So far as h may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of ground water & ^ i 4 \* T - . - ^ ^ ^ L , 7 " C o n c r e t e = 1 2 "

~~E<Jl^EilD«\*r(^\*)=>\*^-fu^<j?-^~~ ~~Lff.'^\_j+^sU\_rA^s-.~~ ~~•.:::~::~~^J.~~

~~J~~  
~~^z...~~

10. The estimated amount of groundwater withdrawn each year 2,600,000 gal & rd!

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.S^!T\_—^JC\_\_\_Z~—\_\_\_\_\_,  
/£>S&C^UL^O A<^L~~~\*~^ -<= -^--V

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.**

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By—JkS32—~"SS^"

Coitaty-JEI\*ttffl\*«t

STATE OF MOHTANA  
ADMINISTRATOR OF GOVT. WATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Right? c M p - M c P ft

(Under Chapter 237, Montana Session Laws, 1961) O I A j L. tN U 11\*'- tK '

I T>fin G. KilBimkm of Botaf 1 Pāli «pell  
(Name of Appropriator) (Address) (Town.)

County of \_\_\_\_\_ I & K L I M L, \_\_\_\_\_ State of \_\_\_\_\_ i O n t a U M L, \_\_\_\_\_  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

**8»c. 3      \* Sec. 2**

Figure 1 shows a 4x4 grid of points. The grid is divided into four quadrants by a vertical line between the second and third columns and a horizontal line between the second and third rows. The labels are placed at the intersections of the grid lines. The top row has labels '1' and '1'. The second row has labels '1' and '1'. The third row has labels 'i' and 'i'. The bottom row has labels 'i' and 'i'. The grid is labeled with '1' and 'i' at the intersections of the grid lines.

<i>tste*</i>	tA	s ««,	n
tec.	10	Sec.	11

**S<sup>κ\*</sup> 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.—**4.1\_\_\_\_\_

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

f#IX-.,»»...i:~1^50---qpntinwpWBi-fJlaq\*-\_\_\_\_\_,\_\_\_\_\_  
W«ll Ho. 2: 19^4 - coatiauou aiac« ^

4. The amount of groundwater claimed (in miner's inches or gallons per minute) is 1,600 gallon 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

Well A : M Sec. 2: 1A«WT- Sec. 11. T 29 1.

**Bai w. well «&....» 1. 800-871-1111** **East of the wall of**

right of <sup>A</sup>, all in T 29 H., R 21 f.

$$T_m, \quad L, \quad J, \quad x, \quad |, \quad *, \quad \text{,,}, \quad \text{---}, \quad , \quad ,$$

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal\_\_\_\_\_

## Well \*? 1: 25 HP Electric Motor

Well Mo. 2: 40 ^JaecMcJiftSa\*

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....1950.....

well Ho, 2-195\* TM

8. The depth of the table. I «ll MQ... ii...l Q...t W t.....Jlflll.\*>...2l 10...l S«t.....,.....

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. \_\_\_\_\_ « \_\_\_\_\_ ^

fall 2lo.. 1.. SiBbP^.. 25i ififit in..dla<fiter\_r..LQ..ie<t..deejj.....  
 fell..Jto..^..S.u<p^..35 x.lQQ...te<t^..10 i<•t. d<•p,.....

10. The estimated amount of groundwater withdrawn each year from the well is: 1. 777\*7667000 gal. per year.

10. The estimated amount of groundwater withdrawn each year is 2.1—5.5 million gallons.

11. The log of formations encountered in the drilling of each wed if available. \_\_\_\_\_

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well fto 1: lft *vall»ble
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\*?XLM\*? Hot %T%table

12. Such other information of a similar nature may be helpful in carrying out the policy of this act, including reference to book and page of any county record. . . . None . . . . .

S-unattu-e of Owner.....4SB5S&\*~^..?<E!^\*A&h\*??.....JX

/ Date. S\*Pte»berq,y,> . 19^2.

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  
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T 29 R 21  
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# Rdice «i Compleira of G^n^alei

(Under **Chapter 237, Moattna Session l a w s, ISO**)

Die well starfe-di ^ \* ? ^ ^ Completed Dec 13, 1968

Type of well. *IS^IMJU*. Equipment Used. *^ifc>S^^-^*

drilled) othsr)

Water Use: Domestic	Municipal Discharge	Industrial Discharge	Other
Industrial Discharge	Drainage Discharge	Other	

\* I 'TM ^ i ^ - | = ^ ~ ^ r  
7 O % > ~ • \* ' \* l

Static Water Head for non-flowing Well  $h_{w,0} = \dots$

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

P-nP-8 War Level... $l^f M$  at $^{\wedge}$ -gal. P $\ll$  mat.

Discharge in gal, per min. of flowing well.....^"~j"~.....'".....

Length of Test 2.75

rs, type of shutoff, loca-  
r if not at well, and any

other similar pertinent information, including number of acres irrigated, if used for irrigation).....-.....

*S#!LYJV#S\*CJ.\$ T\*?A\*^JW.*

Indicate location of well and place of use, if possible. Each small square represents <sup>1</sup>/<sub>4</sub> acas.

**M** « **^** **fc ^ fet** **yr\_**

chnw exact depth of bott«Hn. V 7 ^ \* . \* ^ ^ \* .  
L — I Show e » c t aep

**License Number**

Homer W. Clardy  
Driller's Signature

oord«m the county to TMhich the well .s .ocMed.

pta. \_w. \*U »-««« B - •• " « \* " \_ ' " ^ \* \* , O m " • " t a " " " " ^

o \* - - ,b. Ccn., C and Become, \* ^ » . \* . »»»-, \* \* « \* \* \* - - ^ . S c ^ ^

S i l s i ^ = ^ ; " : - . . . . . t r f ? - - , •

x ; V I , p " ; v ^ \* r . A . A . r . i . i . 2

• v - 0 > " i ^ ^ ; f e ^ 1 - . . .

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