

## GROUNDWATER INDEX

Page 1 of 1

County Franklin Twp. 237 Rge. 234

[illegible]

**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.

**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 Ellen M. Learn

Ref. - 2

Address .....  
Kalispell, Montana 59901

1906

1906

completed

Du:7

Type of well ..... (Dig, driven, bored or drilled)

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

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

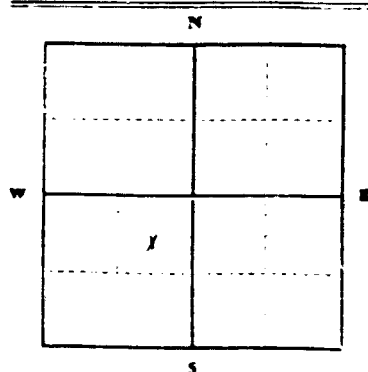
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

- 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)
12 feet deep	circumference of 2ft.			1 inch galvanized	



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 ..... Pump..... HP

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

175 1/2" 1/2" 1/2"

T. 26. NR. 23 ...  $\frac{E}{W}$

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

Driller's Signature ....

Griller's Address

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

Show exact depth of bottom.

52, 511

14,622

FILED IN 14,622 SS  
Filed on the 26 day of Feb  
A. D. 1973 at 2 o'clock P. M.  
MT  
County Clerk and Recorder  
By 226 Deputy

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

T. 22 R. 23 W.

TRIPLICATE

County FLATHEAD

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1968

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

(Under Chapter 237 Montana Session Laws, 1961)

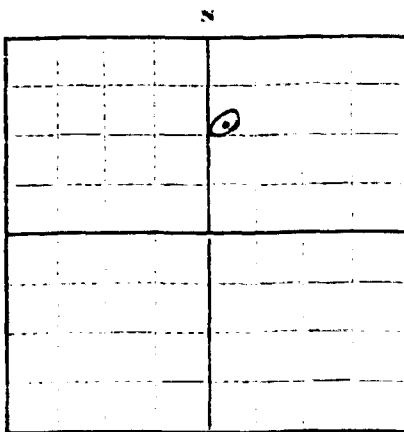
Date of Appropriation of Groundwater 1910Percy L. CottetOwner Harriet L. Cottet Address Hot Springs, MontanaContractor (if any) None.Address of Contractor None.Date Started 1910 Date Completed 1910

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This is a natural spring flow, and no development was necessary.

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

estimate approximate lengths of periods of use Quantity of

water—2,000 gallons per day. Requirements of stock using watering facilities.

1/4 NE Sec. 22 T22 R23 W

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

Signature of Owner [Signature]Date 11/19/68

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

10030

17 Dec  
25 P  
D.M.  
S.W.

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

T. \_\_\_\_\_ R. \_\_\_\_\_

TRIPLICATE

County FARMING

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 30 1968  
STATE ENGINEER

## Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

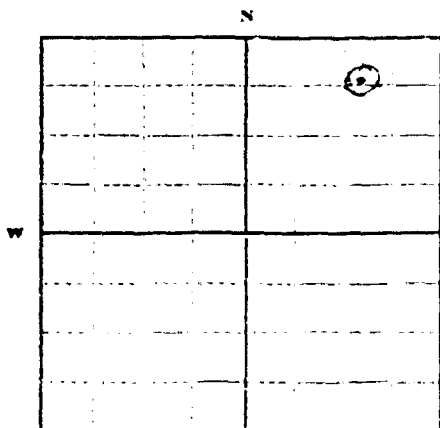
Date of Appropriation of Groundwater 1910  
Owner L. Barriet L. Cottet Address Hot Springs, Montana

Contractor (if any) None

Address of Contractor None

Date Started 1910 Date Completed 1910

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This a natural spring flow, and no development was necessary.



NE 1/4 Sec. 1, T. 1, R. 1

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

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

estimate approximate lengths of periods of use. Quantity of water—2,000 gallons per day. Requirements of stock using watering facilities.

Signature of Owner L. Barriet L. Cottet

Date Jan 30 1968

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

10,109

RECEIVED  
COUNTY CLERK  
JAN 23 1963  
BY *GBM*  
COUNTY CLERK AND RECORDS  
By *MT* Deputy

## GROUNDWATER INDEX

Page / of /

County Flint Twp. 26-77 Rge. 23-10

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
16	Bennett, Virginia & Hubert	GW3	12600	
7	Stensland, Hazel	GW3	14545	
7	Stensland, Hazel	GW3	14545	
16	Kraus, Keith	GW3	10559	T. 27N - R. 23W
96	Stensland, Hazel	GW3	14544	T. 27N - R. 23W
36	Stensland, Hazel	GW3	14546	T. 27N - R. 23W
7	Stensland, Hazel	GW3	14544	SEE ORIGINAL IN: T. 27N - R. 23W - SEC. 36
7	" "	GW3	14545	



GW 3

STATE WATER CONSERVATION BOARD

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

JAN 10 1967

T 26 R 22

Section \_\_\_\_\_

Block \_\_\_\_\_

County Flathead

City/Town \_\_\_\_\_

State STATE OF MONTANADepartment ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

## Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Sept 1963Owner Virginia A. Bennett Address Box 87, Kila, Mont.

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

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

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

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

Natural spring with  
1' x 2' concrete casing

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

estimate approximate lengths of periods of use Piped  
with 1 1/2" pipe 150' with a  
constant flow

Signature of Owner Virginia A. Bennett  
Virginia A. BennettDate Oct. 20, 1966

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

41641

12,600

STATE OF MONTANA } ss  
COUNTY OF FLATHEAD  
Filed on the 20 day of Oct  
A. D. 1966 at 2:30 o'clock P.M  
26m  
County Clerk and Recorder  
By M. J.  
Deputy

GW 3

File No. ....

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

County. ....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

App. No. 14,545  
County ...  
Sec. 30 T. 22 R. 22  
A. 72 S. 101  
P. ...

Date of Appropriation of Groundwater. ....

Owner. .... Address. ....

Contractor (if any) ....

Address of Contractor. ....

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

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

.....

.....

.....

.....

.....

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

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

.....

.....

.....

.....

Signature of Owner. ....

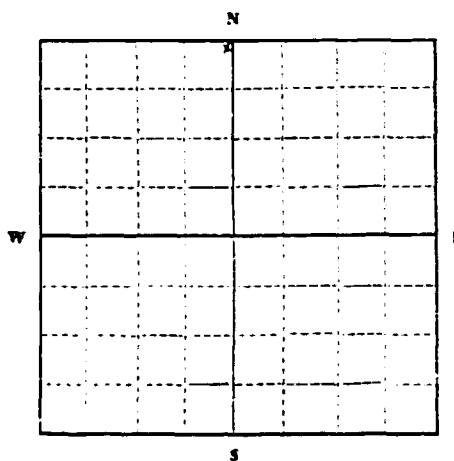
Date. ....

This form to be prepared by contractor if any, otherwise by the owner.

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

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

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



N.E. 1/4 Sec. 7 T. 22 R. 22

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

14,545

STATE OF MONTANA ( SS  
COUNTY OF FLATHEAD)

Filed on the 30 day of Oct  
A. D. 1912 at 2 o'clock P. M.

MT  
County Clerk and Recorder

By LLW  
Deputy

RECEIVED

7

GW 1

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

T. 23 R. 23

County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Dec. No. 14,544  
Filed for record  
this 30 day of Oct.  
A. D. 19 72, at 1:00  
o'clock P. M.

Date of Appropriation of Groundwater Oct 24 1972

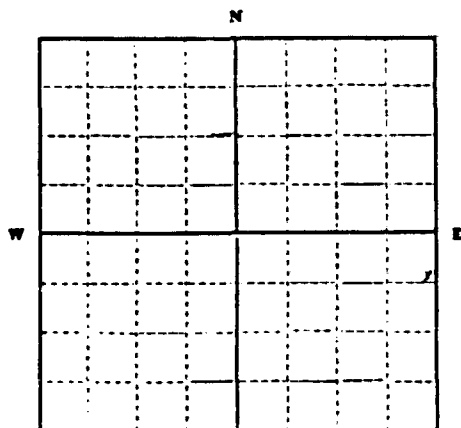
Owner Hayes Stensland Address Reed, Mont

Contractor (if any) none

Address of Contractor none

Date Started none Date Completed none

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



NE 1/4 Sec 34 T. 22 N. R. 23 E.  
Indicate point of appropriation  
and place of use, if possible.

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

estimate approximate lengths of periods of use.

11-12 inches deep enough  
for air circulation year  
around.

Signature of Owner Hayes Stensland

Date Oct 30 1972

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

51,719

RECEIVED

7

GW 3

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

DEPARTMENT OF NATURAL  
RESOURCES AND CONSERVATION

T. 22 R. 23  
County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Doc. No. 14,544  
Filed for record  
this 30 day of Oct.  
A. D. 19 72, at 1:00  
o'clock P. M.

Date of Appropriation of Groundwater Oct 24 / 1972

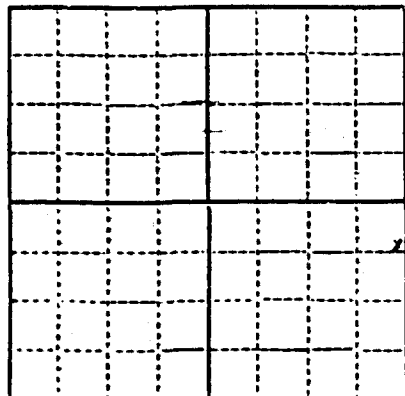
Owner Hazel Stensland Address Kila Mtn

Contractor (if any) none

Address of Contractor none

Date Started none Date Completed none

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



7 56N 22W  
N.E. 1/4 Sec. 24 T. 22 R. 23  
Indicate point of appropriation  
and place of use, if possible.

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

estimate approximate lengths of periods of use \_\_\_\_\_

Not used frequently enough  
for air livestock feed  
around.

Signature of Owner Hazel Stensland

Date Oct 30 / 1972

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

5139

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

Owner Hazel Stensland 7  
Address Kila, MT 59920  
Location T. R. Sec. 7 & 36  
Doc. No. 14544 & 14545  
T. 26 & 27 N.  
R. 22 & 23 W.

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 provide, as indicated in red on the attached forms, the dates the spring developments were started and completed. The means or method used to develop the springs; and the amount of water claimed for use in gallons per minute or other unit of measure.

Thank you.

NOTE: Please refer to the enclosed sheet, which discusses developed & undeveloped springs.

Appropriation is presently available at most large office  
supplies in Montana for use in filing on a surface water right. Most often an attorney prepares the appropriation in a form in accordance with Section 89-810 R.C.M. 1947, which sets forth the procedure for appropriating surface waters. (Section 89-811 R.C.M. 1947, which deals with diligence in appropriating should also be considered when appropriating surface waters.)

- 3.) Brief Summary: If a natural flowing spring is developed by some means at its point of extrusion to increase its flow, it is classified as groundwater. If a natural flowing spring is not developed, as noted above, it is classified as surface water. Each source - surface or groundwater - is regulated to some extent by different laws. For example water laws - forms and appropriation procedures, etc. - are different for surface water and groundwater filings.

Surface water  
about 5 gallons per minute

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

Date \_\_\_\_\_

This form to be prepared by contractor if any, otherwise by the owner.

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

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

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

DEVELOPED AND UNDEVELOPED SPRINGS

As They Relate To The

1961 GROUNDWATER CODE (Section 89-2913 R.C.M. 1947)

SURFACE WATER LAWS (Section 89-801 and 89-810 R.C.M. 1947)

- 1.) Question: When does a natural flowing spring cease to be classified as surface water?

Answer: As a general rule of thumb, if the flow of a natural flowing spring is increased by some development at its point of extrusion from the ground, it is classified as groundwater.  
If the spring is developed and the development is completed and put to a beneficial use, the groundwater right should be filed on a GW-3, Notice of Completion of Groundwater Appropriation Without Well as provided for in Section 89-2913 R.C.M. 1947 of the 1961 Groundwater Code.

- 2.) Question: How is an undeveloped spring classified and what procedure should be followed to file a right of this type?

Answer: If a spring is undeveloped, it is classified as surface water. Waters of undeveloped springs are subject to appropriation under the surface water laws, Section 89-801 and 89-810 R.C.M. 1947. A form titled Notice of Appropriation is presently available at most large office supplies in Montana for use in filing on a surface water right. Most often an attorney prepares the appropriation in a form in accordance with Section 89-810 R.C.M. 1947, which sets forth the procedure for appropriating surface waters. (Section 89-811 R.C.M. 1947, which deals with diligence in appropriating should also be considered when appropriating surface waters.)

- 3.) Brief Summary: If a natural flowing spring is developed by some means at its point of extrusion to increase its flow, it is classified as groundwater. If a natural flowing spring is not developed, as noted above, it is classified as surface water. Each source - surface or groundwater - is regulated to some extent by different laws. For example water laws - forms and appropriation procedures, etc. - are different for surface water and groundwater filings.

..... Surface water

..... About 5 gallon minute

Signature of Owner.....

Date.....

This form to be prepared by contractor if any, otherwise by the owner.

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

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

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



**T** \_\_\_\_\_ **R** \_\_\_\_\_

County \_\_\_\_\_

## Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 227 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

Owner.....Address.....

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

Address of Contractor .....

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

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

1. 1000 Superficial water

How developed? (If undeveloped, refer to attached sheet.)

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

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

Surface water

Output: about 1/2 gallon a minute

Signature of Owner.....

Date.....

This form to be prepared by contractor if any, otherwise by the owner.

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

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

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

## GROUNDWATER INDEX

Page 1 of 1

County Flathead Twp. 30N Rge. 21W

[illegible]

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

3W 4

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)

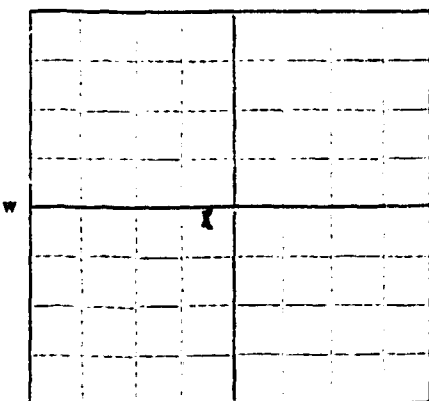
Edith Elsass

1221-6th Ave. East

Kalispell

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

Domestic



NE SW 1 26 21

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.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1933

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 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. None used for irrigation

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 1933

270 feet

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. Drilled well with 7-inch casing, 277 feet deep

At present time not in use

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

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. Nothing else available

Signature of Owner. Edith Elsass

December 31, 1963

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.

23195

11025

13/ Dec  
983502  
Stun  
2247

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

SW 1

T. N 2 R  
County \_\_\_\_\_

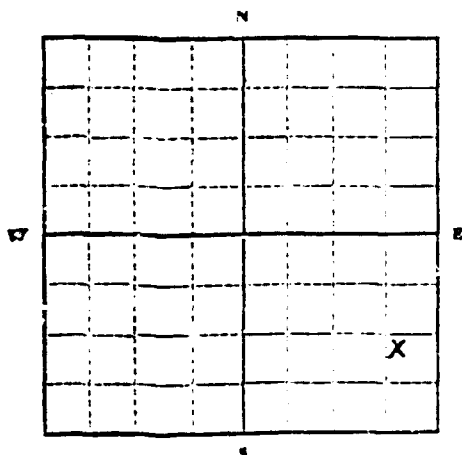
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 6 1964

1. Lora M. & Joseph F. Kubu of 116 Collier Lane, Plains, Montana  
(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:



SE 1/4 Sec 8 T 26 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 lawn and garden sprinkling
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Since Nov. 1955
4. The amount of groundwater claimed (in miner's inches or gallons per minute) About 7 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 Electric pressure pump well located about 20 feet from house
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov 1955
8. The depth of water table About 15 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 about 25 foot depth 6 in casing
10. The estimated amount of groundwater withdrawn each year Approx 20,000 to 22,000
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 About same type and depth as surrounding owners  
Lora M. Kubu

Signature of Owner Lora M. Kubu

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.

2281

1071 0

31 93

21

adit

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

T. 16N R. 21E 12

TRIPLICATE

County Flathead

## LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater  
Appropriation by Means of Well  
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Jim C. &amp;

Owner Yvonne A. Burdick Address Lakeside, MontanaDriller Liberty Drilling Co. Address Missoula, MontanaDate of Notice of appropriation of groundwater None filedDate well started 4/29/69 Date completed 5/2/69Type of well Drilled Equipment used Air Rotary Rig  
(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 2951)

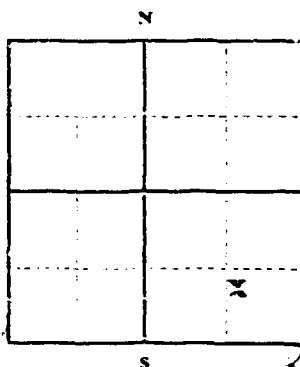
## Formations log:

0 - 14 Fine sand.  
14 - 14 Tan clay & gravel.  
14 - 15 Tan clay.  
15 - 42 Tan clay.  
42 - 57 Tan clay.  
57 - 59 Tan rock.  
59 - 77 Tan & brown rock.  
77 - 78 Tan & brown rock.  
78 - 114 Gray to green rock.  
114 - 117 Tan & brown rock.  
117 - 126 Gray rock.  
126 - 137 Tan & brown rock. 7 GPM  
137 - 146 Gray rock.  
146 - 151 Tan rock. 22 GPM  
151 - 160 Gray rock.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 11"	+2	49.4"			

Water rises in the well  
109 feet from surface.

Doc. No. 14460  
Filed for record  
this 14th day of July  
A. D. 19 72, at 11:20  
o'clock P.M.



Static Water Level for non-flowing well

109 feet.Shut-in Pressure for Flowing Well NonePumping Water Level 151 feetat 22 gal. per minute.

Discharge in gal. per min. of flowing well

Non-flowingHow Tested in lift pumpLength of Test 10 hours

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) in water enter-ing well from cracks and seamsin the rock below 127 feet.Well is to be used forirrigation and for water clearsand free water afteryear or more they are not removed, i.e., theyshould be removed at rates of 100 to 150percent of the tested capacity of the aquifer.USE—If used for irrigation, industrial, drainage or other, explain, statenumber of acres and location or other data (i.e.: Lot, Block and Addi-tion).

Show exact depth of bottom.

Bottom of well 160'

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

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

Driller's License Number 52Driller's Signature William E. Colman59,932

14,460

STATE OF MONTANA : SS  
COUNTY OF FLATHEAD

Filed on the 14 day of July  
A. D. 1922 at 11:20 o'clock A.M.

G. E. M.  
County Clerk and Recorder

By M. J.  
Deputy



File No. ....

T. 26N R. 21W

DUPLICATE

County Flathead

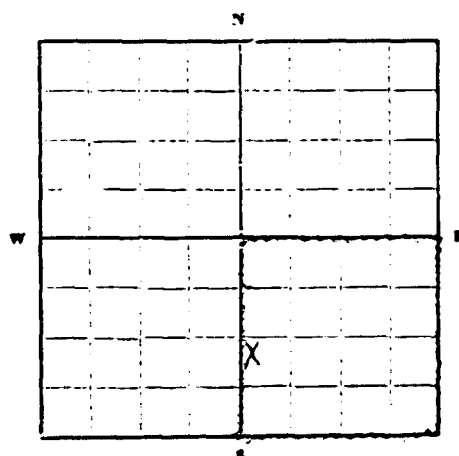
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 11 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Jim C. Burdick and Wynona Burdick of Lakeside  
(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:



SE 14 Sec 12 T. 26N R. 21W

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 and household use.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950, continuous use ever since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 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 No irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal gas motor driven pump carrying water to tank, thence by gravity to house.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March 1950; completed in September, 1950.
8. The depth of water table 3 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 Dug well, 3 foot diameter, concrete tiles, and 9 feet deep.
10. The estimated amount of groundwater withdrawn each year 73,000 gal per year
11. The log of formations encountered in the drilling of each well if available Not known
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 I know of no other pertinent information.

Jim C. Burdick  
Signature of Owner Wynona Burdick

Date December , 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.

12416

2,028

63 17<sup>th</sup> Aug  
98m  
m.2.

File No. ....

GW 2

T. 26~ R. 21~ 12

County Butte

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

NOV 27 1964

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner L.H. Hamilton Address Lakeside  
Driller Homer McCarty Address 945 8th St. N. Billings

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

Date well started Sept 9/64 Date Completed Sept 18/64

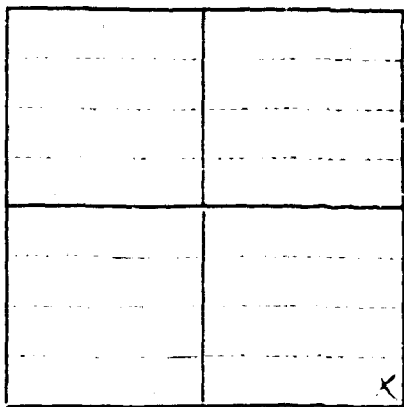
Type of well Drilled Equipment Used 2 1/2" Buryer  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7" O.D.	23#	224' 4"				

Water bearing fine gravel



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

Show exact depth of bottom.

Static Water Level for non-flowing Well 90 feet.

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

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

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

How Tested Boiler Length of Test 4 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 McCarty

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.

11,547

Oct 19  
64 11:50  
58m  
m.2

F No

RECEIVED

**QUADRUPPLICATE**

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. Fay Egge ..... Address 210 So. Excelsior  
Butte, Montana

Driller self Address.

Date of Notice of Appropriation of Groundwater Sept. 25, 1967

Date well started. 6-1-67 Date Completed. 6-3-67

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	Kind Size	PERFORATIONS	
					From (Feet)	To (Feet)
36"	36"x36"	9'	9'	1 1/2"	6'	9'

GRAVEL

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

Shut-in Pressure for Flowing Well ..

Pumping Water Level... 2 .....feet at 100 gal. per minute.

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

How Tested. estimate 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) one

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

Show exact depth of bottom.  
NINE (9'), FINE

Driller's License Number

~~Driller's~~ Signature

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

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

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

13,009

25 Sept  
67 2" 56m  
m 2.

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

## Kalispell Air Force Station

1. **United States Air Force**  
(Name of Appropriator)

**Lakeside**

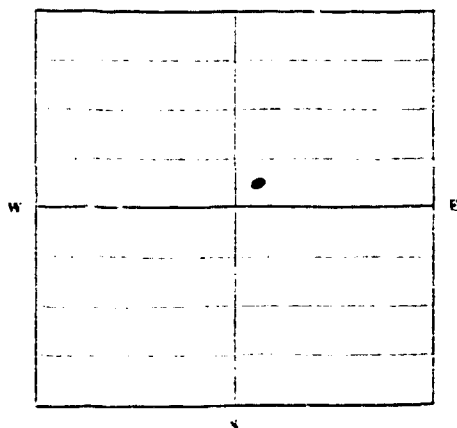
(Address)

(Town)

County of **Flathead**

State of **Montana**

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



SW 1, NE Sec. 13 T. 26 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 **Well #1 is to supply water for cantonment area of Air Force Station.**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **January 1958 (Drilled) constant use.**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **30 GPM**
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof **N/A**
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **Electrical Pump, 5 HP Motor**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **January 1958**
8. The depth of water table **45 ft. below surface.**
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 **Depth 337 ft. Casing - 8" diam, to 300'.**
10. The estimated amount of groundwater withdrawn each year **5,616,000 Gallons**
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 books and maps of any county record **N/A**

Signature of Owner **William R. Ingram, Lt. Col. USAF**  
Commander

Date **31 August 1962**

This series 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.

9421

STATE OF MONTANA  
COUNTY OF PLATEAU

Filed on the 21 day of Sept.  
A. D. 1962 at 10<sup>15</sup> o'clock M

*Le m*  
County Clerk and Recorder

By *Lt.*  
Deputy



E<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SEC 13

T 26N R 21 W

Country

## MONTANA BUREAU OF MINES AND GEOLOGY

# WATER WELL LOG

<sup>9802</sup>  
Owner J. H. Korman Co. Address Fairfield, Mass.

Driller William McElrath Address 945 8th Ave. N

Date Started Sept 6, 1961 Date Completed Sept 26, 61

Location: Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_  $\frac{1}{4}$  sec. N. & d. S. State

Type of well Artesian Equipment used 2211 Hydraulic Drill  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

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: 10.5 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)

9045

14- Nov

[illegible]

4.67m

... ..

70.5.

(over)

### Log of Well

Depth, feet		Description of Material Drilled
From	To	
		top soil
		Gravel - gravel
		- boulders
11 2/3	1	bluish clay with gravel
2 1/2	1	black rock
		1
		bluish clay
		1
		bluish clay
		1

**RECEIVED**

T. 26 R. 21

County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground \_\_\_\_\_

(Elev. above sea level 5000 \_\_\_\_\_)

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner George A. Neal Address 1301 Missouri Ave.,  
Butte, Montana

Driller Self Address \_\_\_\_\_

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

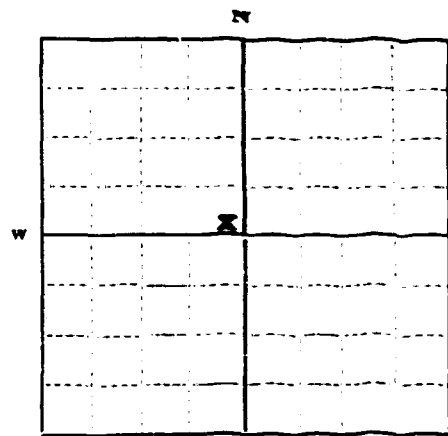
Date well started 8-15-67 Date Completed 8-20-67

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

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

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

	Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
					Kind Size	From (Feet)	To (Feet)
Gravel	36"	36" x 36"	6'	15'	1 1/2"	6'	15'



SE 1/4, R. 21 Sec. 13 T. 26 R. 21

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

Show exact depth of bottom.  
15'

Static Water Level for non-flowing Well six feet.

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

Pumping Water Level 2 feet at 100 gal. per minute.

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

How Tested estimate 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) two

Self  
Driller's License Number

Self  
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.

13,019

6<sup>th</sup> Oct  
67 12<sup>th</sup> 56m  
m.2

File No.

RECEIVED

GW 2

T

County

MONTANA DEPARTMENT OF NATURAL  
RESOURCES AND CONSERVATIONSTATE 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)

Jens A. Pedersen, Jr.

Owner: Peggy G. Pedersen Address: Lakeside, Montana

Driller: N/A

Address

Date of Notice of Appropriation of Groundwater: June 29, 1973

On or before

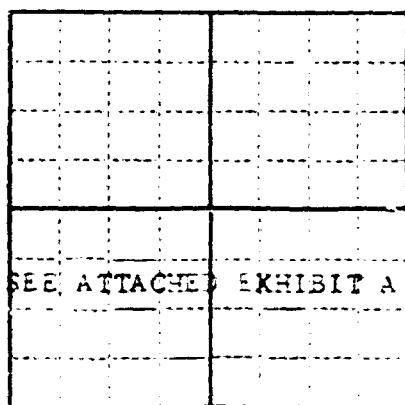
Date well started: Unknown Date Completed: June 22, 1972

Type of well: Dug  
(dug, driven, bored or  
drilled)Equipment Used: Unknown  
(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.

18' bottom

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
Dug	5" x 5"		20	NOT APPLICABLE		



NW 1/4 Sec. 13 T26N R21W

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

Show exact depth of bottom.

Static Water Level for non-flowing Well: 5 - 10 feet.

Shut-in Pressure for Flowing Well: Unknown

Pumping Water Level: 18' feet at 100 gal. per minute.

Discharge in gal. per min. of flowing well: N/A

How Tested: N/A Length of Test: N/A

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

N/A

Driller's License Number

N/A

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.

54928

"EXHIBIT A"

Tract of land in the Southeast Quarter of the Northwest Quarter of Section 13, Township 26 North, Range 21 West, P.M.M., Flathead County, Montana, more particularly described as follows:

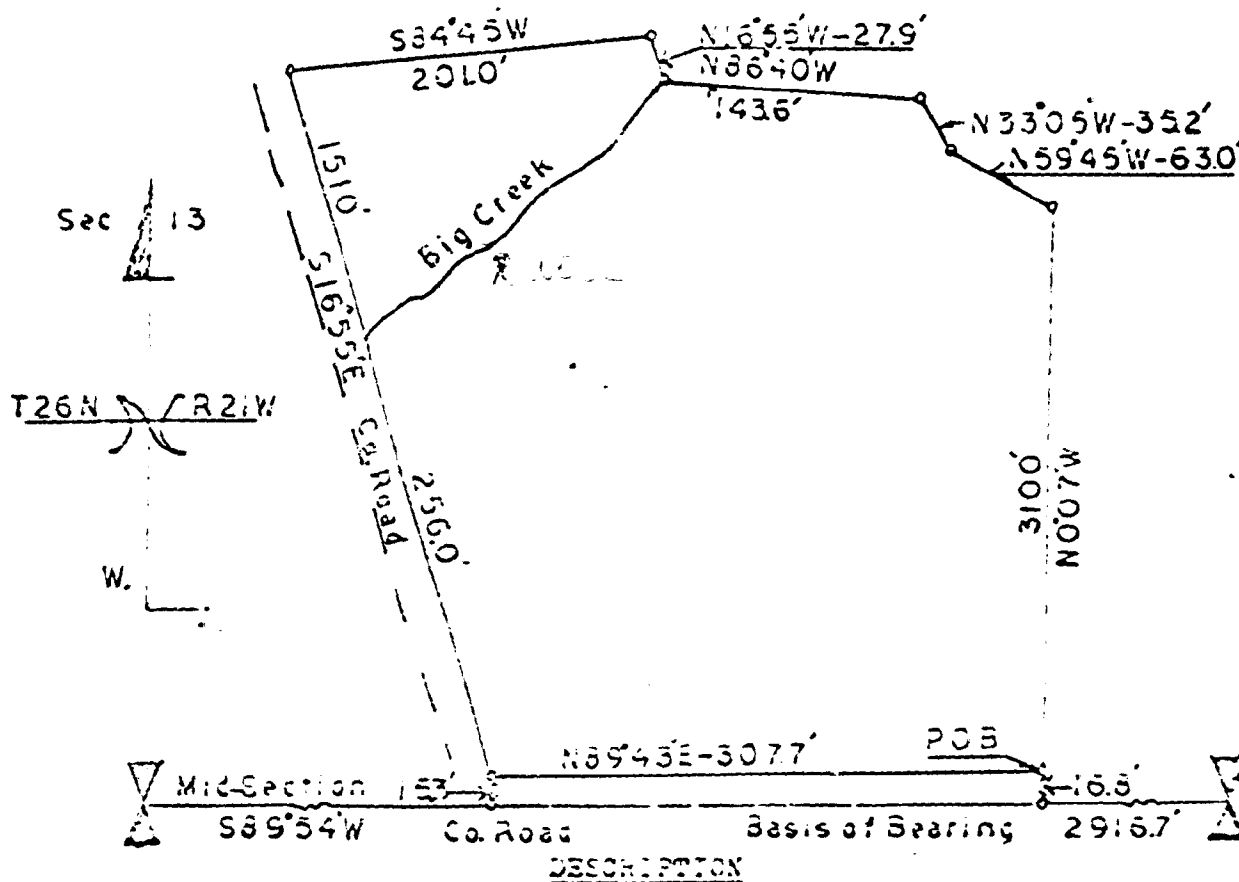
Commencing at the Quarter corner between Section 13, Township 26 North, Range 21 West and Section 18, Township 26 North, Range 20 West; thence South 89° 54' West along the mid-section line a distance of 2,916.7 feet to a point; thence North 0° 07' West a distance of 16.3 feet to the North boundary of the County Road, which point is the true point of beginning (P.O.B.) of the tract to be described; thence North 0° 07' West a distance of 310.0 feet to the centerline of Big Creek; thence North 59° 45' West a distance of 63.0 feet along the centerline of Big Creek to a point; thence North 33° 05' West a distance of 35.2 feet along the centerline of Big Creek to a point; thence North 86° 40' West a distance of 143.6 feet along the centerline of Big Creek to a point; thence North 16° 55' West a distance of 27.9 feet to a point; thence South 84° 45' West a distance of 201.0 feet to a point on the Easterly boundary of the County Road; thence South 16° 55' East a distance of 151.0 feet along the Easterly boundary of the County Road to a point on the centerline of Big Creek; thence South 16° 55' East a distance of 256.0 feet along the Easterly boundary of the County Road to a point on the Northerly boundary of the County Road; thence North 89° 45' East a distance of 307.7 feet along the Northerly boundary of the County Road to the point of beginning, containing 3.18 acres.

"EXHIBIT B"

PLAT

A tract of land in the SE¼NW¼ of Section 13, T26N, R21W, P.M.M., Flathead County, Montana

Scale 1"=100'



19.804

OF THE  
ON the 29 day of June  
23 224 P  
MT  
22 1/2

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

GW 1

T. \_\_\_\_\_ R. \_\_\_\_\_

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

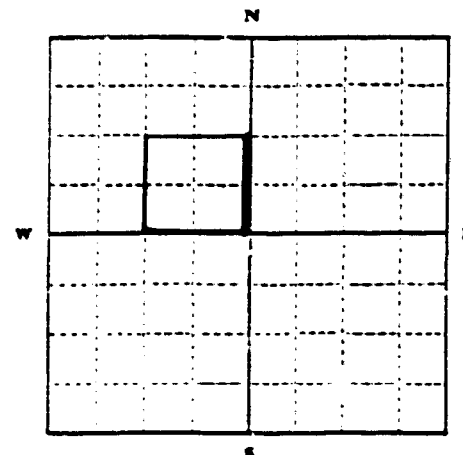
RECEIVED

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

MONTANA DEPARTMENT OF NATURAL RESOURCES

1. I, JENS A. PEDERSEN, JR. of \_\_\_\_\_ (Name of Appropriator) Lakeside (Address) \_\_\_\_\_ (Town)  
County of Flathead 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 domestic and household purposes  
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 100 gallons  
per minute
4. The annual period (inclusive dates) of intended use Jan. 1 to Dec. 31. (Year around)
5. The probable or intended date of first beneficial use June 22, 1972
6. The probable or intended date of commencement and completion of the well\* or wells\* June 22, 1972 (on or before this date by Appropriators Predecessor in Interest)
7. The location, type, size and depth of well or wells contemplated well is located on property described below and location can more exactly be seen from map attached hereto as "Exhibit B." The well is a dug well surrounded by concrete and is approximately 18 feet deep.
8. The probable or estimated depth of the water table or artesian aquifer 5 - 10 feet
9. Name, address and license number of the driller engaged not applicable since well was not drilled but hand dug.
10. Give such other similar information as may be useful in carrying out the policy of this act.  
Property Description: A tract of land in Southeast Quarter of the Northwest Quarter of Section 13, Township 26 North, Range 21 West, M.P.M., Flathead County, Montana, more particularly described in attached "Exhibit A."



N.W. 1/4, Sec. 13, T26N, R. 21W.  
Locate well or other means of development as accurately as possible on the plot.

Signature of Appropriator Jens A. Pedersen

Date \_\_\_\_\_

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

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

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

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



**"EXHIBIT A"**

A tract of land in the Southeast Quarter of the Northwest Quarter of Section 13, Township 26 North, Range 21 West, P.M.M., Flathead County, Montana, more particularly described as follows:

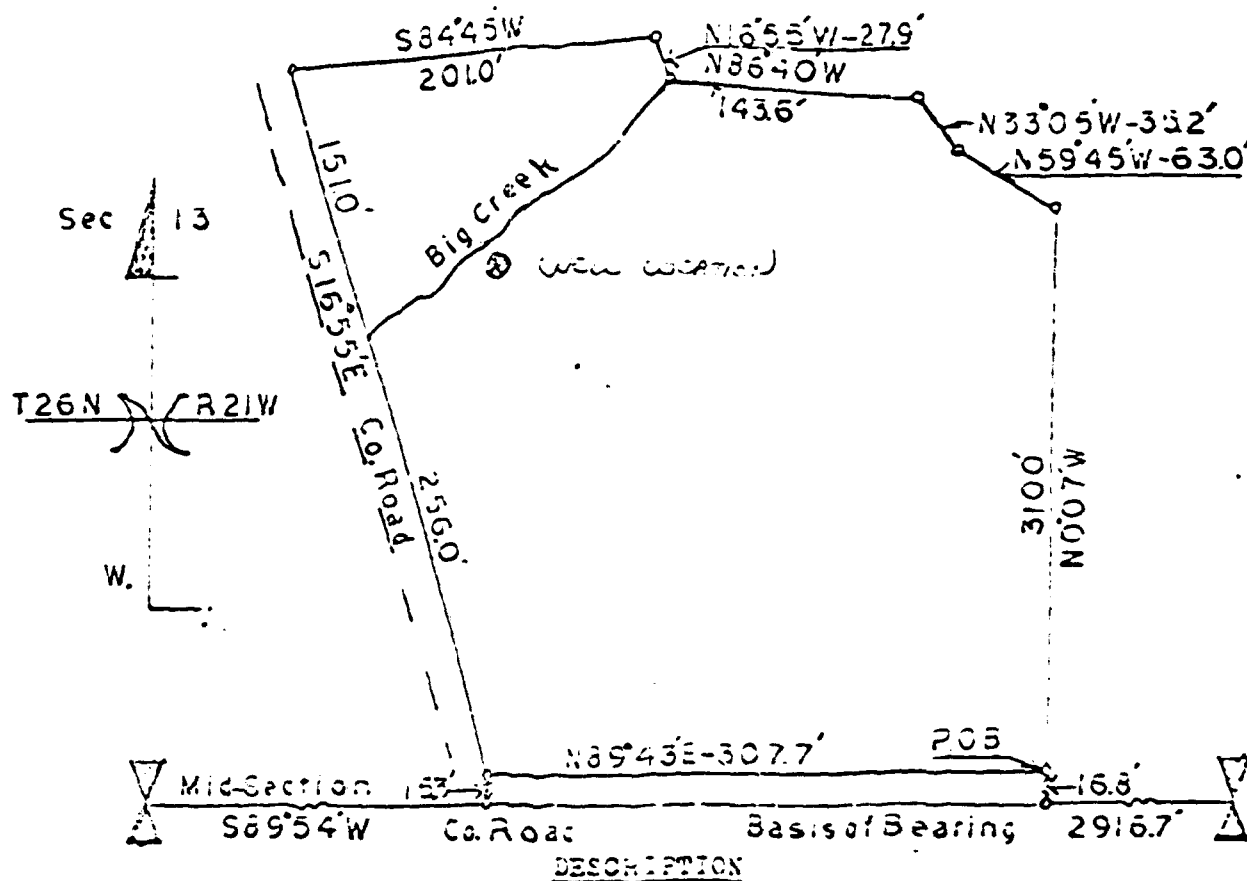
Commencing at the Quarter corner between Section 13, Township 26 North, Range 21 West and Section 18, Township 26 North, Range 20 West; thence South 89° 54' West along the mid-section line a distance of 2,916.7 feet to a point; thence North 00° 07' West a distance of 16.3 feet to the North boundary of the County Road, which point is the true point of beginning (P.O.B.) of the tract to be described; thence North 00° 07' West a distance of 310.0 feet to the centerline of Big Creek; thence North 59° 45' West a distance of 63.0 feet along the centerline of Big Creek to a point; thence North 33° 05' West a distance of 35.2 feet along the centerline of Big Creek to a point; thence North 86° 40' West a distance of 143.6 feet along the centerline of Big Creek to a point; thence North 16° 55' West a distance of 27.9 feet to a point; thence South 84° 45' West a distance of 201.0 feet to a point on the Easterly boundary of the County Road; thence South 16° 55' East a distance of 151.0 feet along the Easterly boundary of the County Road to a point on the centerline of Big Creek; thence South 16° 55' East a distance of 256.0 feet along the Easterly boundary of the County Road to a point on the Northerly boundary of the County Road; thence North 89° 45' East a distance of 307.7 feet along the Northerly boundary of the County Road to the point of beginning, containing 3.18 acres.

**"EXHIBIT B"**

**PLAT**

A tract of land in the SE 1/4 NW 1/4 of Section 13, T26N, R21W, P.M.M., Flathead County, Montana

Scale 1"=100'



14,799

STATE OF MONTANA )  
COUNTY OF FERNBROOK ) ss  
Filed on the 29 day of June  
A.D. 1923 at 2:19 o'clock P.M.  
County Clerk and Recorder  
J. A.

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

RECEIVED

GW: \_\_\_\_\_

T. 26 R. 21

County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground  
(Elev. above sea level 3000)

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Stanley L. Welch Address Box 38 Lakeside, Mont

Driller Self Address \_\_\_\_\_

Date of Notice of Appropriation of Groundwater 9/27/67

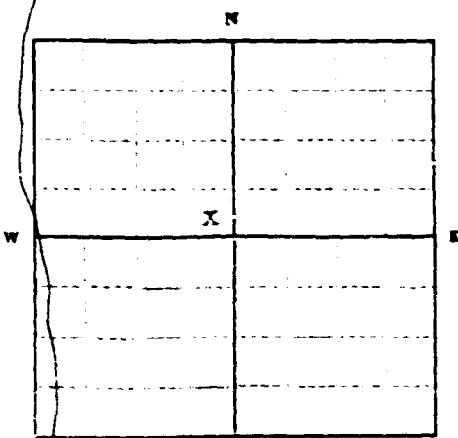
Date well started 9/20/67 Date Completed 9/26/67

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
36"	36"x36"	15'	15'	1 1/2"	0'	15'



3E1, N1, Sec. 13 T. 26 R. 21  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

15'

Static Water Level for non-flowing Well seven feet.

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

Pumping Water Level 2 feet at 100 gal. per minute.

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

How Tested estimate 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) one.

Self  
Driller's License Number

Stanley L. Welch  
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.

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

T. 26N R. 21W

QUADRUPLICATE

County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

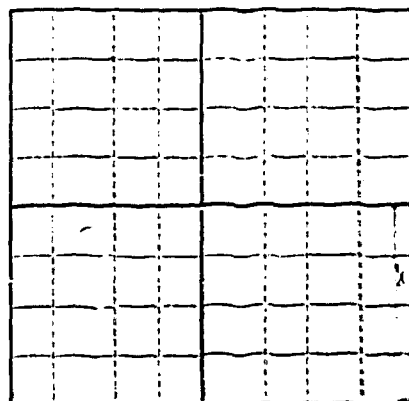
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

DEC 17 1963

STATE ENGINEER

1. Glenn McCarty of Lakeside  
(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:



E1/2E1/2E1/2 of  
SE 1/4 of Sec. 14 T. 26N R. 21W

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 domestic uses including irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1957 - continuous sub-irrigation of a portion of my land.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 miner's inch
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 Claimant is owner of chartered land, a portion of which is sub-irrigated from the group of springs as noted.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Natural processes resulting in sub-irrigations.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Natural flow and sub-irrigation from group of springs.

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. No works for withdrawal of groundwater.

10. The estimated amount of groundwater withdrawn each year. 6,307,200 gallon per year

11. The log of formations encountered in the drilling of each well if available. No logs.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. No other pertinent information.

Signature of Owner

Glenn McCarty  
Date December 16, 1963

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

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

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

10,017

STATE OF MONTANA  
COUNTY OF FLATHEAD

Filed on the 16 day of Dec  
A. D. 1993 at 3 o'clock M

J E M

County Clerk and Recorder

By

JLH

Deputy

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

DUPLICATE

T 26 N. 21 W.

County Flathead

Kalispell AFS

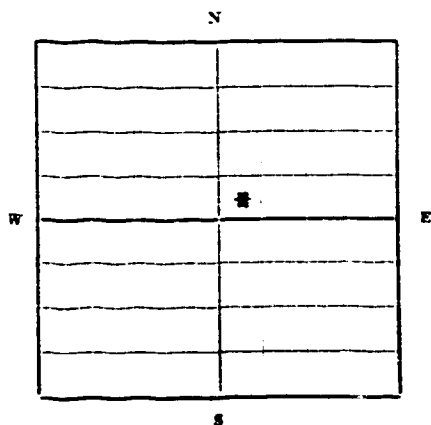
No. 2

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)  
**ALBERT F. STRAUB, Chief, Acquisition Branch, Real Estate Division,  
U.S. Army Engineer District, Seattle, for and on behalf of**

1. **THE UNITED STATES OF AMERICA** of **1519 Alaskan Way South,** **Seattle 4,**  
(Name of Appropriator) (Address) (Town)  
County of **King** State of **Washington**  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



**SW 1/4, NE 1/4 Sec. 15 T26N R. 21W**

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 **To be used by United States AF for its personnel in official duty.**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **April 1958**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **70 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 **Pumped from well as shown or described on well log.**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **Started in April 1958 - Completed April 1958**
8. The depth of water table **50 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 **8" - 278 feet**
10. The estimated amount of groundwater withdrawn each year **2,400,000 Gallons**
11. The log of formations encountered in the drilling of each well if available **See attached log and Drawing No. 71-12-02**
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 \_\_\_\_\_

For and on behalf of THE UNITED STATES OF AMERICA through U.S. ARMY ENGINEER DISTRICT, Seattle, Real Estate Division

Signature of Owner By: Albert F. Straub  
**ALBERT F. STRAUB, Chief,  
Acquisition Branch**  
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.

9379

PLANNED  
26 July  
62 at 830 Clock M  
96m  
Country Clerk and Recorder  
m. j.  
Deputy





DEPARTMENT OF THE ARMY  
DIVISION NORTH PACIFIC  
INSTALLATION SEATTLE DISTRICT  
DRILLING LOG (Continued)

KALISPELL A.F.S., MONT.  
WATER SUPPLY

SEE SHT. 1

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF WATER ALS (Description)	REMARKS (Water loss, drilling time, etc.)
2820	190			
		SW	GRAVELLY, W/CLAY TRACE OF WATER	
2805	205			
		GC- SC	COMPACT	
2782	228			
2780	230		SP- COARSE, GRAYLY, CLAY BROKEN ROCK	
2775	235			
			LINY ARGILLITE	
				217FT DYNAMIC WATER LEVEL AT RATE OF 95 GPM
				WATER BEARING 234FT. BOTTOM OF 8 INCH CASING
				BELT SERIES
2732	278		BOTTOM OF HOLE	

GW 1

STATE OF MONTANA

File No.

T. 26 North R. 21 West

County Flathead

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

## Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater January 29, 1965  
Henry P. Hutchinson  
 Owner Hazel M. Hutchinson Address Box 113 Lakeside, Montana.

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

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

Date Started April 1965 Date Completed May 1965

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

in concrete tile 6 Ft. deep by 3 Ft.

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

estimate approximate lengths of periods of use.

Steady flow from 2 1/2 in. pipe 300 Ft. by

gravity to pressure system.

Signature of Owner

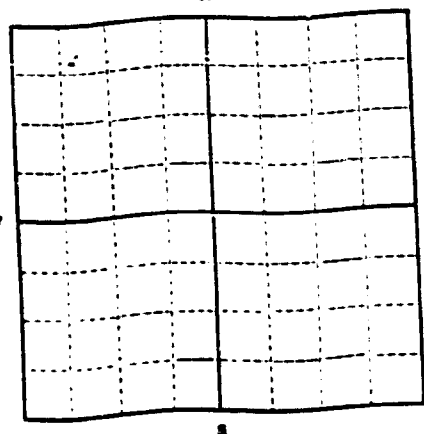
Date October 1, 1966

This form to be prepared by contractor if any, otherwise by the owner

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

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

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



N.E. 1/4 Sec. 24, T. 26, R. 21

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

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WATER RESOURCES BOARD  
File No. **RECEIVED**

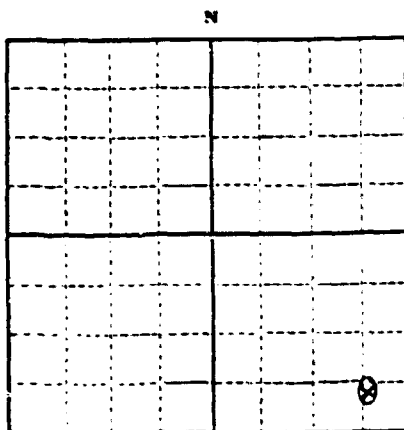
T. 21 R. 21County                     

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 10-21-67  
Owner ROYER G. WARREN Address 4711 CAFLOR AVE  
SAN DIEGO CAL 92117  
Contractor (if any) N.A.  
Address of Contractor N.A.  
Date Started N.A. Date Completed N.A.



NW 1/4 Sec. 24 T. 26N R. 21W  
Indicate point of appropriation  
and place of use, if possible.

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

SURFACE TO SUPPLY WATER TO  
PROPOSED RESIDENCE IN THE IMMEDIATE  
AREA - PUMPED FROM SPRING  
THROUGH PIPE TO HOUSE

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

estimate approximate lengths of periods of use WATER  
WILL BE USED FOR NORMAL HOUSEHOLD  
PURPOSES ONCE RESIDENCE IS  
CONSTRUCTED - (3 PERSONS TO  
OCCUPY RESIDENCE

Signature of Owner

Date

Royce G. Warren  
October 21, 1967

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

13030

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County Flathead Twp. 26-57 Rge. 20W

[illegible]



RECEIVED

County Cato

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD  
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 Robert L. Anderson

Address Box 8

Bisfork, Montana 59011

Date well started 8/10/71

completed 8/10/71

For Administrator's Use

File 14,364  
218-10-16, 1971  
9:30 AM

GW 1

Type of well Drilled

(Aug. driven, bored or drilled)

Equipment used Air Rotary

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒

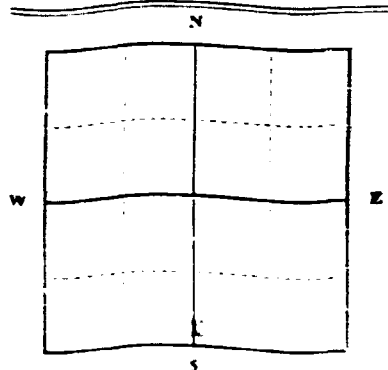
Industrial ☐ Drainage ☐ Other ☐ Garden, lawn ☒

\*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). Approx. 3 acres

ESTIMATED ANNUAL WITHDRAWAL 22,075,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
3"	6 5/8"	0	10'			
		10'	41'8"	NONE		



Static water level 42 ft.  
Pumping water level 126 ft.  
at 42 gallons per minute,  
measured 60 minutes after pumping  
began.

\*Measured from ground level.  
Well developed by 1 1/2 hours  
for 1 hours

Power 1000 Pump 100 HP

Remarks: Gravel packing, cementing,  
packers type of shutoff collar  
which is placed on bottom  
of six inch casing. Annulus  
between six inch casing  
and eight inch surface pipe

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

Driller's Signature [Signature]

Driller's Address 2500 Reserve

Bisfork, Montana 59011 LICENSE NO. 32

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) 3050'

From (Feet)	To (Feet)	
0	13	Topsoil, boulders
13	122	Blue gray rock
122	154	Broken blue gray rock
154	170	Blue gray rock
170	173	Broken blue gray rock
173	173	Blue gray rock

175' Show exact depth of bottom  
water rises in well 1' from  
surface.

49618

(Con't)

is grouted with five sacks of cement. All water entering well through cracks and seams in the rock below 133 ft.

Note: Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not over-pumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

14368  
STATE OF TEXAS }  
COUNTY OF DALLAS } ss  
Filed on May 14, 1954 by *[Signature]*  
A.D. 1954, City of Dallas, Texas  
By *[Signature]*

File No. ....

GW 4

T. \_\_\_\_\_ R. \_\_\_\_\_

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

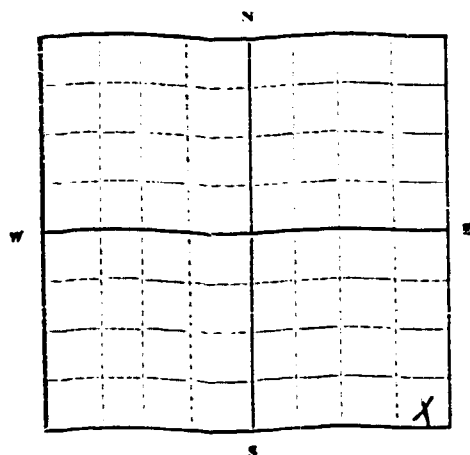
(Under Chapter 237, Montana Session Laws, 1961)

DEC 30 1963

STATE ENGINEER

I, Carl S. Jones, of Box 15, Big Horn  
(Name of Appropriator) (Address) (Town)

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



SE 1/4 Sec. 1 T. 26 R. 20

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
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955 Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gpm
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
SMALL TOWN
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 1955
8. The depth of water table 11 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 10 gpm
10. The estimated amount of groundwater withdrawn each year 10 gpm
11. The log of formations encountered in the drilling of each well if available None
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 Carl S. Jones and Helen A. Jones  
Date Dec. 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.

10, 181

26 Dec  
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56 m  
m.s.