

File No.

Twp. 18N. R. 1 West. S. 2 West

DUPLICATE MONTANA WATER RESOURCES BOARD
RECEIVED

County Cascade

JUL 7 1969
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

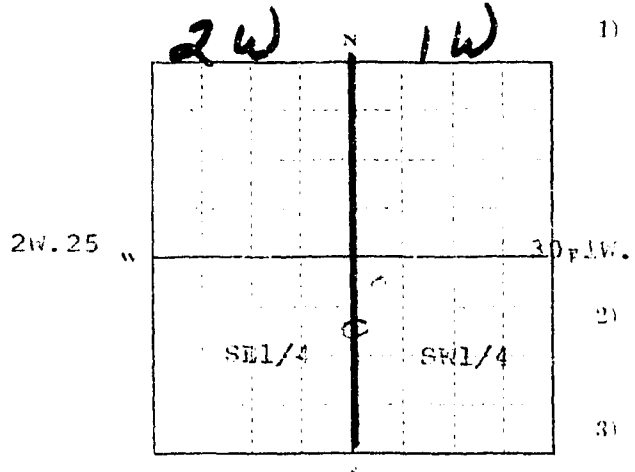
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: April 18, 1969
Owner: Albert P. & Betty L. Lorang Address: Box 361 Cascaady, Montana

Contractor (if any): none

Address of Contractor: none

Date Started: _____ Date Completed: _____



Sec. _____ Twp. _____ R. _____

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

- (1) SE 1/4 of NE 1/4 of SE 1/4 of Sec. 25, Twp. 18 N., Rg. 2 W.
- (2) NE 1/4 of NW 1/4 of SW 1/4 of Sec. 30, Twp. 18 N., Rg. 1 West.

1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.): Subirrigation and other natural processes and stockwater from channel in year around pasture

2) Means of withdrawing water (gravity, pump, canal, etc.): natural flow of springs

3) Depth of water table: unknown

4) Use of the water: stock water and subirrigation

5) Amount of groundwater claimed (in miner's inches, or gallons per minute): both combined 50 gal per minute

If used for irrigation, give number of acres and description of land: subirrigation 30 ac. Stockwater benefit 200 acres

7) Estimate amount of water used each year: subirrigation total flow 200 animal units for 12 months

Signature of Owner: Albert P. Lorang
Date: July 7, 1969

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.

[Handwritten mark]

5174

STATE OF MONTANA }
County of Cascade. }

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

JUL 1 1969

Date

at 4:40 o'clock P. M

J. L. LENNON

County Clerk and Recorder

By R. E. Balena

Deputy

MONTANA WATER RESOURCES BOARD
Groundwater Division
Mitchell Building
Helena, Montana 59601

Recently a copy of a groundwater appropriation form,

- GW 1, Notice of Appropriation of Groundwater
- GW 2, Notice of Completion of Groundwater Appropriation by means of Well
- GW 3, Notice of Completion of Groundwater Appropriation without Well
- GW 4, Declaration of Vested Groundwater Rights (This form is obsolete and was limited by law to use only through 1965)

was forwarded to this office by the County Clerk and Recorder.

This form is identified by

Owner	<u>Albert P. & Betty E. Lorang</u>	Address	<u>Box 361 Cascade, Montana</u>
Location	<u>T. 18N. R. 2W. Sec. 25 T. 18N. R. 1W. Sec. 30</u>	Document No.	<u>5174</u>

The form is complete as filed. This is to inform you your GW form has been received and no further action is necessary on your part.

The form is incomplete. Please complete the enclosed copy by providing information where indicated, or as noted here and return the corrected copy to the Montana Water Resources Board in Helena.

Please indicate the date started and completed of both springs.

Other.

County recording information is missing. Please forward this information to the Montana Water Resources Board in Helena.



Leased
Nov. 1, 1957

Bought
April 18, 1969

File No.

T. 18 N. R. 1 W

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner *Johnson Well Screen* Address *Cascade, Mont.*

Driller *Whitaker Well Drilling* Address *Augusta, Mont.*

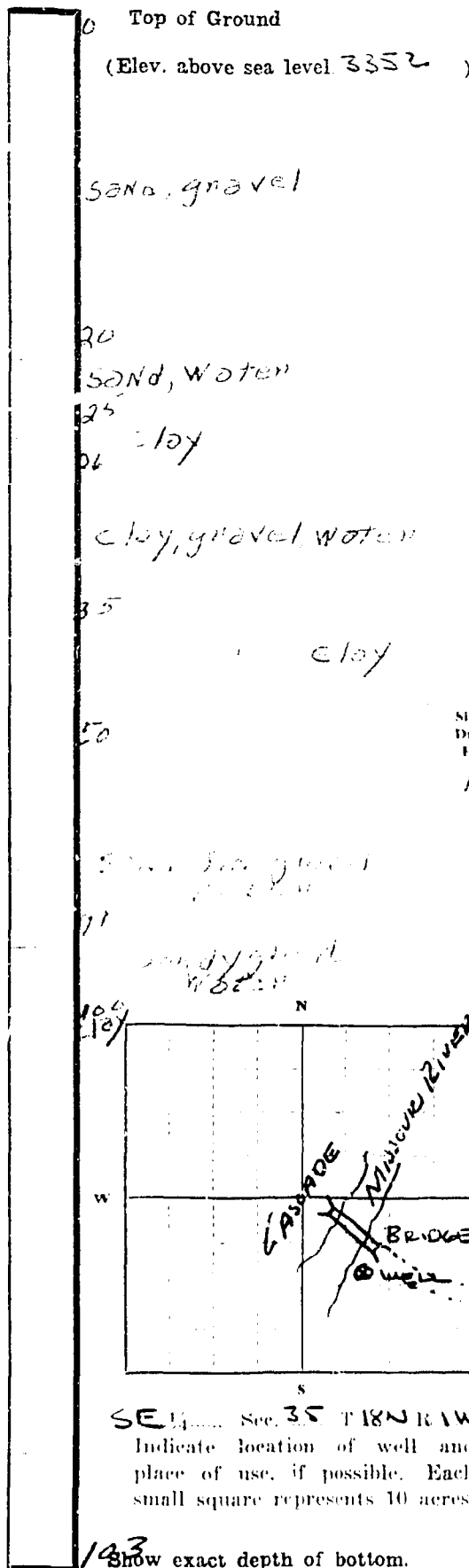
Date of Notice of Appropriation of Groundwater

Date well started *May 29, 62* Date Completed *June 11, 1962*

Type of well *drilled* Equipment Used *chain drill*
(dug, driven, bored or drilled) (chain, 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)
10"	10" ID	0	100			

Static Water Level for non-flowing Well 10' feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 10' feet at 200 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested *pump* Length of Test *5 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)

3' Johnson well screen

No. 10
Driller's License Number

Ethel Whitaker
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.

3928

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
DEC 30 1963

Date

9:12 o'clock A.M.

J. L. LENNON
County Clerk and Recorder

By *A. B. [Signature]*
Deputy.

DUPLICATE

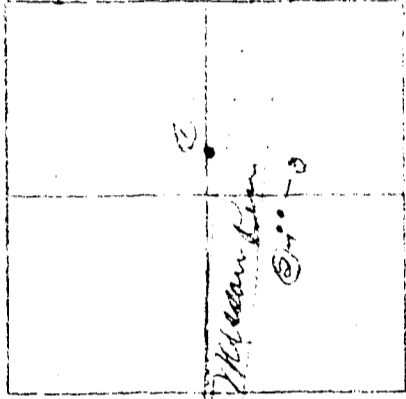
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

Chapter 17, Montana Statutes

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

That part of Sec. 35 West of Missouri River



W 1/4 Sec. 35 T18N R4E

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

2. The beneficial use on which the claim is based supply for the town of Cascade, Cascade County, Montana
3. Date or approximate date of earliest beneficial use, and how continuous the use has been: (1) early 1920's (2) April 1950 (3) June 1962
4. The amount of groundwater claimed: in miner's inches or gallons per minute: unknown, but supplies a Town of 500 including watering of gardens and lawns.
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: Only for lots in town, no commercial
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: (1) elec. pump East end of 2nd Ave. No. (2) just south of the east end of Missouri River Bridge, Elec. Pump. (3) Elec. pump and about 30-40 ft. from (2).
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: (1) early 1920's, April 1950 (2) (3) June 1962
8. The depth of water table: About 20-25ft. (1) or (2) about 15-20 ft. & (3) about 90 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: (1) dug well about 45 ft. deep, maybe 10 ft. square (2) Dug well about 10 ft. in diameter and about 20 ft. deep, (3) about 10" in diameter and about 100 ft. deep. All three have elec. pumps.
10. The estimated amount of groundwater withdrawn each year: no record, but supplies this town of 600 including the irrigation of garden and lawns, some help from springs.
11. The log of formations encountered in the drilling of each well if available: (1) have no idea. (2) Gravel from about 3 feet from service to bottom of well. (3) Various, we do not have the log, but it was filed by Whitacre Drilling of Augusta, Montana as required.
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: Several test wells were made in the Town but very little water found. One test well about 40 ft. west of Missouri River showed about 30 gal. per minute, another at east end of 3rd Ave. So. very little

Town of Cascade
Signature of Owner By C.S. Moore
C.S. Moore, Clerk
Date: Dec. 13th, 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.

RECEIVED
#3563
SEP 17 1959

9-48 6

J. Lee

4319

RECEIVED
FEB 21 1963

DEC 31 1963

1102

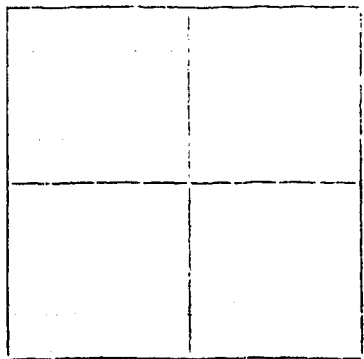
By *J L*

FD-10
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1 **Cascade School District # 3** of **Cascade**
(Name of Appropriator) (Address) (Town)
County of **Cascade** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec 35 T 18 R 1 W
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based **Irrigation for new football field and lawn.**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **October 15, 1961 to October 25 1961 - used daily when weather permitted.**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **25 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. *Handwritten: 1/2 acre football field & lawn*
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. **Means of withdrawal is a 2 1/2 H.P. submergible pump.**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **Fall of 1960**
8. The depth of water table *17 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 **77 ft. well - bottom 30 ft. has 4" casing; remainder has 6" casing.**
10. The estimated amount of groundwater withdrawn each year. *96,000 gallons*
11. The log of formations encountered in the drilling of each well if available
0 - 38' Sandy Clay & gravel 55' - 77' Black Clay with thin layers of sandstone
38 - 48' Black Clay
48' - 55' Sandstone with water
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 *Handwritten signature*

Date *Handwritten 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.

3729

M. A.

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

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

15 1962

Date

at 3:50 o'clock P. M.

J. L. LENTIN

County Clerk and Recorder

By

[Signature]

Deputy.

GW

File No.

T R

DUPLICATE

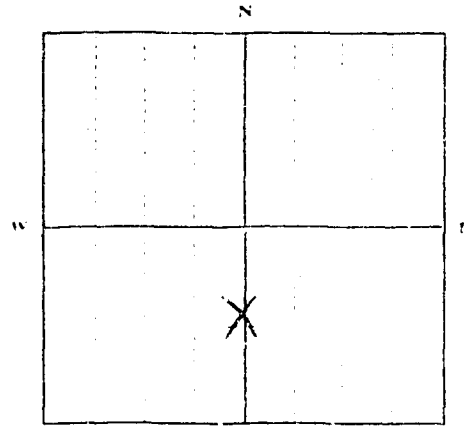
County

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **GREELY ELEVATOR CO.** of **CASCADE** (Town)
 (Name of Appropriator) (Address)
 County of **CASCADE** State of **MONTANA**
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



LOT 6
 S 1/2 Sec 35 T. 18 R. 1W
 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 **URING COMMERCIAL USE IN MANUFACT**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been **SINCE 1927 INTERMITTENT**

4. The amount of groundwater claimed (in miner's inches or gallons per minute) **600 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 **910**

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **ELECTRIC PUMP ON LOT 6 SECTION 35 TOWNSHIP 18 RANGE 1 WEST**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **1927**

8. The depth of water table **30 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 **4 FOOT SQUARE - 40 FEET DEEP**

10. The estimated amount of groundwater withdrawn each year **600,000 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 book and page of any county record **NONE**

Signature of Owner **Greely Elevator Co.**
 Date **1/23/63**

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

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

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

27715

307

808
A. J. [unclear]
[unclear]

File No.

T R

DUPLICATE

County

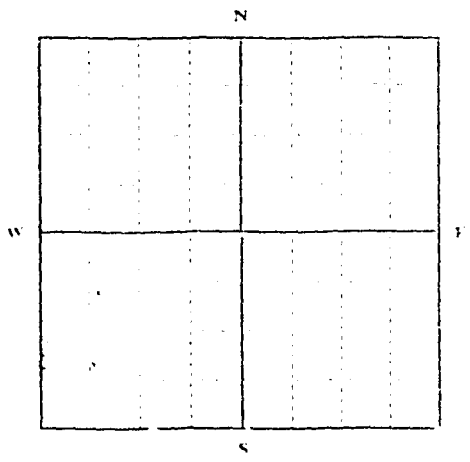
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. I, Joseph W. Kearney, of Butte, Montana,
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 36 T. 1 R. 4
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
- 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 as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Joseph W. Kearney

Signature of Owner *Margaret L. Kearney*
Date *12/21/63*

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

28439

4453

REPUBLIC OF MONTANA
County of Cascade
DEC 31 1962

114

By *[Signature]*

File No.

T. R.

DUPLICATE

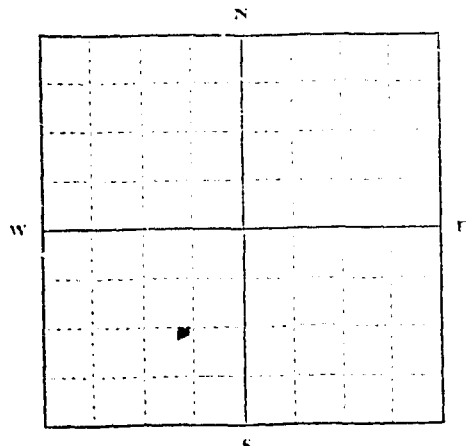
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Thomas W. Coimes of *Cascade*
(Name of Appropriator) (Address) (Town)
County of *Cascade* State of *Montana*
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. T. R.

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

2. The beneficial use on which the claim is based *Domestic Use Now Beneficial To Stock Only*
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. *1890 To 1935*
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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. *PUMP WHEN WATER IS NEEDED FOR STOCK.*
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. *1890*
8. The depth of water table. *7 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. *Dug Well 30' India 17 ft Deep*
10. The estimated amount of groundwater withdrawn each year. *Not Known*
11. The log of formations encountered in the drilling of each well if available. *Dug Well with Rocked Walls*
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

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.

47-20

1803 12

1803
1803

File No.

DUPLICATE

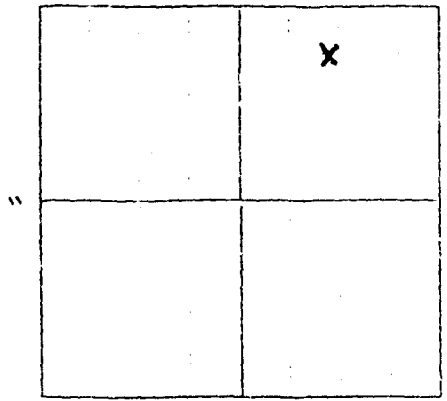
T. 18 R. 1 E.
County CASCADÉ

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. G. MARIE EVANS of SIMMS MONTANA
(Name of Appropriator) (Address) (Town)
County of CASCADÉ State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 1 T. 18 R. 1 E

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

- The beneficial use on which the claim is based DOMESTIC & STOCK WATER & IRRIGATION
- Date or approximate date of earliest beneficial use, and how continuous the use has been EARLIEST BENEFICIAL USE - NOVEMBER, 1913. CONTINUOUS UNTIL PRESENT DATE.
- The amount of groundwater claimed (in miner's inches or gallons per minute) 1/2 GAL. / MINUTE.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof G. MARIE EVANS - OWNER 1 ACRE OF GARDEN AND WIND BREAK TREES.
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal WATER WITHDRAWAL BY ELECTRIC PUMP AND OVER-FLOW PIPE CURRENTLY.
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater COMMENCEMENT AND COMPLETION OF WELL PROPER IN NOVEMBER 1913. ELECTRIC PUMP LATER.
- The depth of water table 3 FEET TO 5 FEET
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 FOOT SQUARE WELL. 20 FOOT DEEP. FITTED WITH OVER-FLOW PIPE 5 FEET BELOW GROUND LEVEL WITH ELE. PUMP WITH ORANGE PIPE AT THE 13 FOOT LEVEL. OVER-FLOW PIPE CONTINUOUSLY FILLS STOCK WATERERS.
- The estimated amount of groundwater withdrawn each year 15,768,000 GAL.
- The log of formations encountered in the drilling of each well if available NO LOG AVAILABLE BUT GROUND FORMATION IS SANDY CONT. TO ABOUT 15 FOOT LEVEL. CLAY BELOW THAT.
- 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 COUNTY RECORD.

Signature of Owner *[Handwritten Signature]*
Date 12/27/63

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.

22751

2303

STATE OF MONTANA }
County of Carbon }
I hereby certify that the within
statement is a true and correct copy of
DEC 27 1963

2303
J. F. [Signature]
Clerk
by [Signature]
[Signature]

File No.

DUPLICATE

T18 R1E
County CASCADIE

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

1900 (APX)

Owner G. MARIE EVANS Address

STIMMS

Contractor (if any)

NONE

Address of Contractor

Date Started

12/27/02

Date Completed

12/27/03

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

SUB-IRRIGATION OF LOWER ~~BE~~ GRADING LAND. SPRING DUG OUT AND 2" PIPE INSTALLED. USE TO WATER STOCK. RETAINER UNIT CONSTRUCTED.

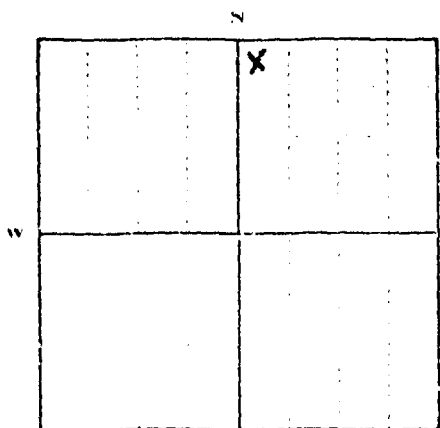
Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use... 5 GAL/MIN. DEVELOPED TO KEEP STOCK WATERERS FULL. USED CONTINUALLY AND ESTIMATED BY USE OF WATCH AND A BUCKET.

Signature of Owner

[Signature]

Date 12/27/03



NW 1/4 Sec. 1 T18 R1E

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

This form to be prepared by contractor (if any), otherwise by the owner.
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Original to the County Clerk and Recorder, duplicate to the State Engineer, Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator

3861

STATE OF MONTANA,)
County of Cascade.)

I hereby certify that the within in-
strument was filed in the office on
DEC 27 1963

at 231 of M.

J. E. HARRISON
Clerk of the Court

By J. E. Harrison
Deputy

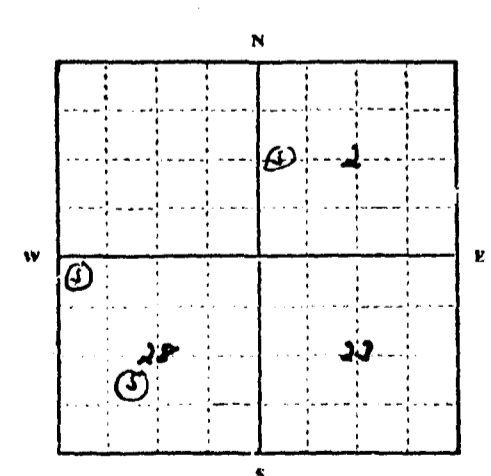
APPROPRIATION OF GROUNDWATER
 COUNTY OF CASCADE
 STATE OF MONTANA

Montana State Publishing Co., Helena, Montana—41337
 T. 18-N R. 17
 County Cascade

WATER CODE
 YEAR
RECEIVED
 DEC 20 1963
 STATE ENGINEER
 Water Appropriation

(Laws, 1961)

Date of Appropriation of Groundwater.....
 Owner Hugh G. Bent Address Cascade, Montana
 Contractor (if any)
 Address of Contractor
 Date Started..... Date Completed.....



1/4 Sec. T. R.
 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

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

Natural flowing spring, if available,
 water quantity. If not available for measuring,
 estimated to flow 110,000 gallon per year

Signature of Owner.....
 Date.....

File No.

T. R.

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



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

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

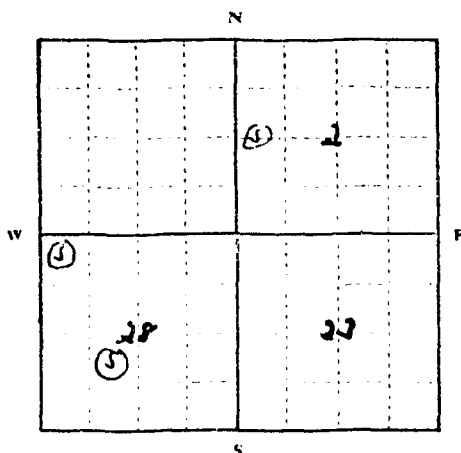
Owner..... Address.....

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.....



1/4 Sec. T. R.

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.....

.....

.....

.....

.....

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.

File No.

T. 12-4 R. 17

DUPLICATE

County...SHERIDAN

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 20 1963

Notice of Completion of Groundwater Appropriation
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

Owner...High G. Font..... Address...Cascado, Montana

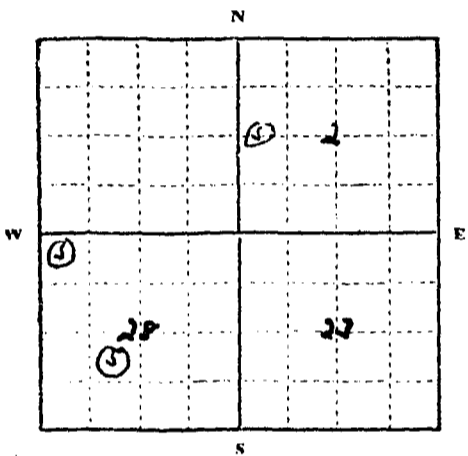
Contractor (if any)

Address of Contractor

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

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

natural spring



..... 1/4 Sec. T. R.
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.....

..... (tapel) flowing springs, use when available,

..... which is annually. No meter available for measuring.

..... estimated to flow 110,000 gallons per year

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.

3586

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

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

DEC 17 1963

at 3:48 ^{PM} of clock P M.

J. L. LANNON
County Clerk and Recorder

By BKies Deputy

File No.

T. R.

DUPLICATE

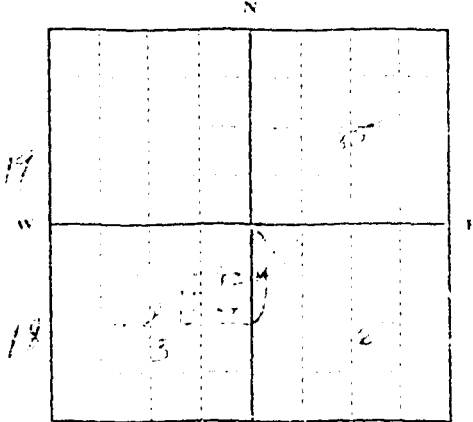
County

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Frank J. ... of *...* (Town)
 County of *...* State of *...*
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T₁₀ R₁₀

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

2. The beneficial use on which the claim is based *Stock raising*
3. Date or approximate date of earliest beneficial use, and how continuous the use has been *1905*
4. The amount of groundwater claimed (in miner's inches or gallons per minute) *500 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 *27.25 27.25 27.25 27.25*
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal *Piston pumps*
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 *18 to 25 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. 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 *...*
 Date *12-31-63*

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

23441

4145 1/2

STATE OF MONTANA, Sec.
County of Cascade
I hereby certify that the within is
correctly was filed in this office on
DEC 3 3 1906
1906
C. L. LEMMON
County Clerk
C. L. L.

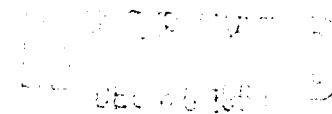
File No.

T 18 N R 1 E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater August, 1954

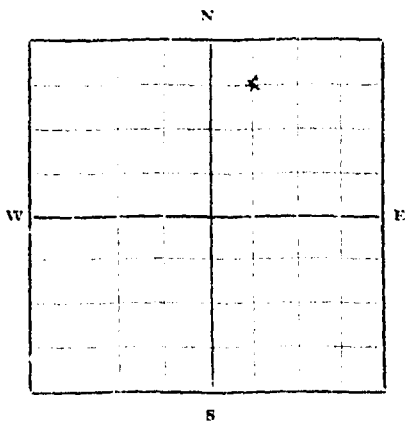
Owner Severt Maki Address Cascade, Montana

Contractor (if any) none

Address of Contractor

Date Started August 1, 1954 Date Completed August 2, 1954

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



Dug out and cleaned spring which flows into the creek bed of Muddy Creek.

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

tent estimate approximate lengths of periods of use

Dug out and cleaned spring which flows into the creek bed of Muddy Creek. Spring flows steadily throughout year and is used for watering cattle.

Signature of Owner Severt Maki

Date December 11, 1963

N 1/4 NE Sec. 4 T18N R. 1E

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

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

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

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

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

3598

RECEIVED
FEDERAL BUREAU OF INVESTIGATION
U. S. DEPARTMENT OF JUSTICE
APR 10 1953

10122 - 9

A. C. Richards

GW

File No.

T. 18 N. R. 1 E.

DUPLICATE

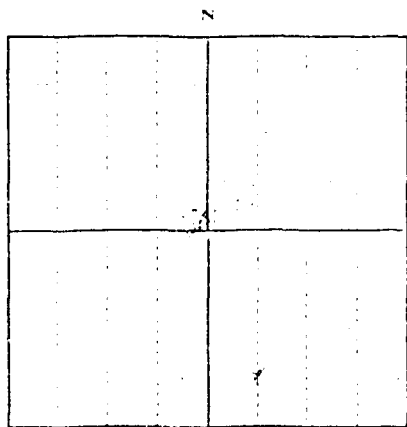
County. Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

Under Chapter 247, Montana Session Laws, 1961. STATE ENGINEER

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



SE 1/4 NW Sec. 5 T. 18N R. 1 E.

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

2. The beneficial use on which the claim is based... Used since 1953 for watering stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1953

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... Well is 90 feet deep and water is within 15 feet of the surface.

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... Used only for watering stock.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... Water is withdrawn by pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... 1953

8. The depth of water table... 90 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... well is 90 feet deep and has 6 inch casing.

10. The estimated amount of groundwater withdrawn each year... 1000 gallons per day.

11. The log of formations encountered in the drilling of each well if available... This is state leased land owned by the State of Montana and leased by the undersigned.

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

Signature of Owner Severt Kaki

Date December 11, 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.

3588

10:20
10:20
10:20

10:20

H. C. ...

GW

File No.

DUPLICATE

1870
County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

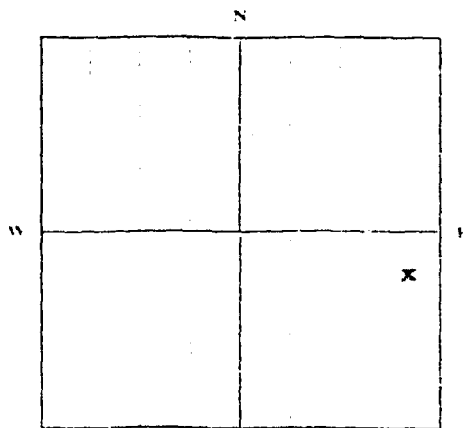
1. **Charles E. Standley**
(Name of Appropriator)

Box 265 Cascade, Montana
(Address) (Town)

County of Cascade

State of Montana 59421

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



NE1/4SE1/4

1/4 Sec. 11 T.18N R.1E

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 **Dwelling and to water stock.**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been **about Spring of 1951**

4. The amount of groundwater claimed (in miner's inches or gallons per minute) **about 1000 gal. per hour**

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 **lawn and garden**

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 **1951 drilled well**

8. The depth of water table **well is about 97 feet deep.**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater **about a 7 inch casing**

10. The estimated amount of groundwater withdrawn each year **no idea, enough for family of 4 + lawn + garden + watering about 30 head of cattle.**

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 **artesian to some extent**

Signature of Owner

Charles E. Standley
Date **Dec. 27th, 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.

18420

4437

CLERK AND RECORDER
OF FARM COUNTY, MONTANA
HEREBY CERTIFY THAT THE FORE-
GOING INSTRUMENT WAS FILED FOR RECORD
IN THIS OFFICE ON

BY 1105 P.M.
AND DULY RECORDED AS DOCUMENT

NO. _____
J. C. LINNON
CLERK AND RECORDER
BY J. C. Linnon
CLERK

File No.

T. R. County

DUPLICATE

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 Address

Driller Address

Date of Notice of Appropriation of Groundwater

Date well started Date Completed

Type of well Equipment Used (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.



Top of Ground (Elev. above sea level)

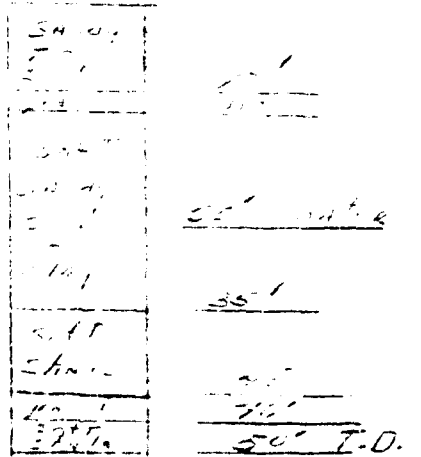
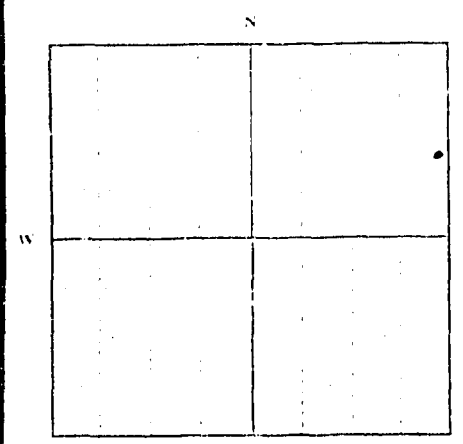


Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet))



Sec. 14 NE 1/4 Sec. 13 T. 25 N. R. 11 W. 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

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested Length of Test

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

Driller's License Number

Driller's Signature

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

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

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

Handwritten number 5117

4754

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
JUN 8 - 1964

Date

at 3:00 o'clock P.M.

J. L. LENNON

County Clerk and Recorder.

By  Deputy.

File No.

T18N R1E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater about 1933

Owner Charles E. Standley Address PO Box 266 Cascade, Montana

Contractor (if any)

Address of Contractor

Date Started Date Completed

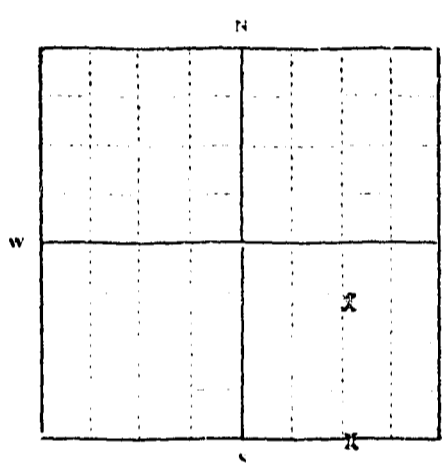
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. have two springs on my land and if

this is what you have ref. to the following is the best I can do. They were running when my father purchased the land. Have dug the springs to a depth of about 6 feet.

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. 12 months a year

for water for cattle.



SE 1/4 Sec. 14 T18N R1E

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

Signature of Owner Charles E. Standley

Date December 27th, 1963

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

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

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

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

28422

4436

104 P

H. O. Field

DUPLICATE

18 N 1 E
County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

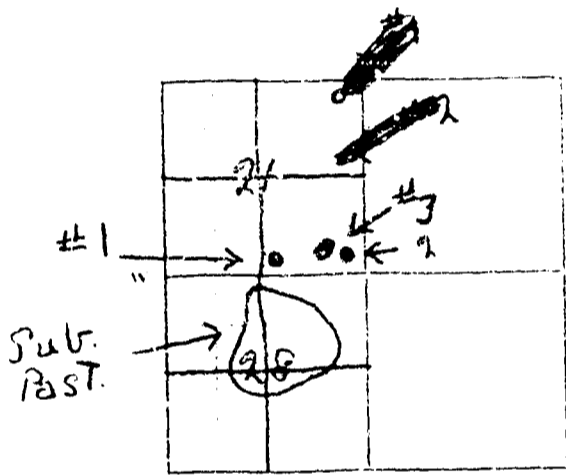
Under Chapter 237 Montana Session Laws, 1961

Date of Appropriation of Groundwater *Nov. 20, 1963*
Owner *R. H. Jones* Address *Cascade, 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.

Springs are natural
Depth to water in sub-pact is 0 to 2 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. *Continuous*



#1 SW 1/4 Sec. 21 T18N R1E
Indicate point of appropriation and place of use, if possible.

2 + 3 SE 1/4 Sec 21 - 18N1E

Signature of Owner

R. H. Jones

Date

Dec 30, 1963

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

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

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

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

28366

4376

11:55 11

A. C. Miller

File No

Y B R 1 E

DUPLICATE

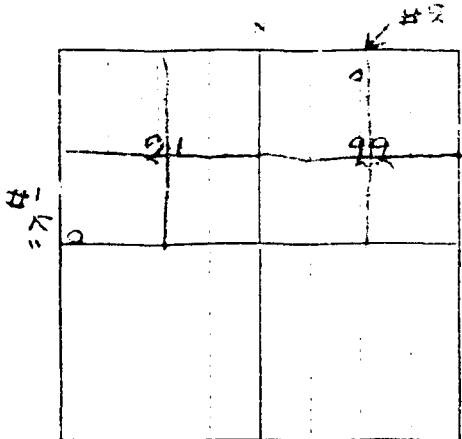
County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



1/4 Sec. 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 #1 Herb. + veg. #2 stock + hay

3. Date or approximate date of earliest beneficial use; and how continuous the use has been #1 - 1878 #2 1912 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) #1 20 gals per min. #2 10 gals per min.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Gard + gardens for bluffs at location of well.

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 withdrawal of groundwater

8. The depth of water table #1 - 9' #2 - 4'

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 #1 - Aug. - 6' dia. - 16' deep #2 - Aug. - 6' dia. - 10' deep

10. The estimated amount of groundwater withdrawn each year #1 - 300,000 gals. - #2 - 70,000 gals.

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

R H Jones

Date

Dec 31 - 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 Administrator

23361

4377

11.56 2

A. O. Nichols

File No.

T. 2 - R -

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 20 1963

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner Ed G. Roth Address Circle 1, Montana

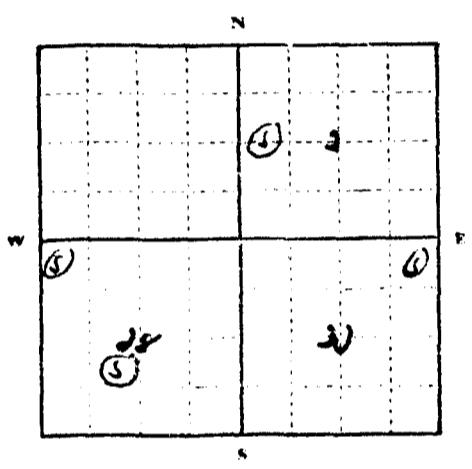
Contractor (if any)

Address of Contractor

Date Started Date Completed

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

Natural flowing springs



1/4 Sec. T. R.

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.

Natural flowing springs, used when available, which

is annually. No method available for measuring.

estimated to flow 110,000 gallons per year.

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.

3574

RECEIVED
OFFICE OF THE
SECRETARY OF THE
NAVY
WASHINGTON, D. C.

46 8

87100

File No. _____

Twp. _____

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Date of Appropriation of Groundwater _____

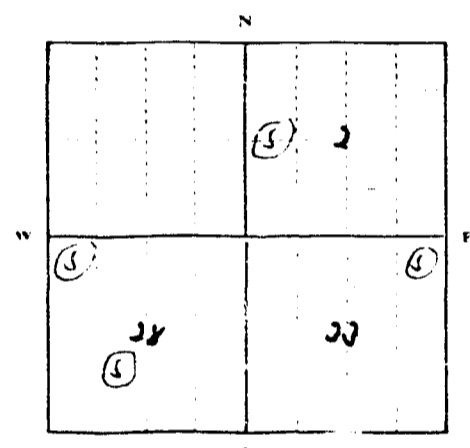
Owner _____ Address _____

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.



1/4 Sec. _____ T. _____ R. _____
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...
.....
.....
.....

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.

File No.

TITLE
County.....

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 20 1963

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

Owner..... Hugh G. Dent Address..... Cascade, Montana

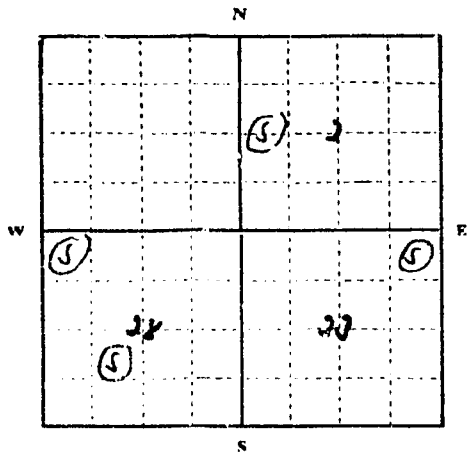
Contractor (if any)

Address of Contractor

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

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

Natural spring.....



..... 1/4 Sec. T. R.

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.....

Natural flowing springs, used when available, which is annually. No method available for measuring. Estimated to flow 110,000 gallons per year.

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.

STATE OF MONTANA,
County of Cascade.

3587

I hereby certify that the within as-
signed is a true and correct copy of the

DEC 17 1958

of 3:48 P.M.

RECORDED

By *[Signature]*

File No.

T. R.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

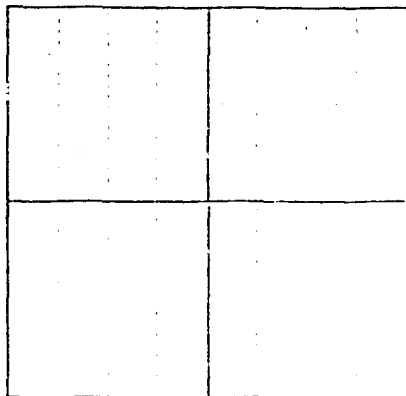


Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. _____ of _____
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 22 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 _____

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 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

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.

46

DEC 17 1963

3:47

3.505

J

B. Linn

10-1

ADMINISTRATOR OF GROUNDWATER CODE

File No.

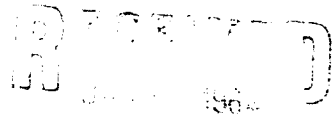
T 18 NR 1 E.

T 18 NR 2 E.

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Under Chapter 237 Montana Session Laws, 1961

All of these springs have been used for over 50 years.

Date of Appropriation of Groundwater: **GAIL F. FRAUNHOFER & OMAR C. FRAUNHOFER**
Address: **Cascade, Montana**

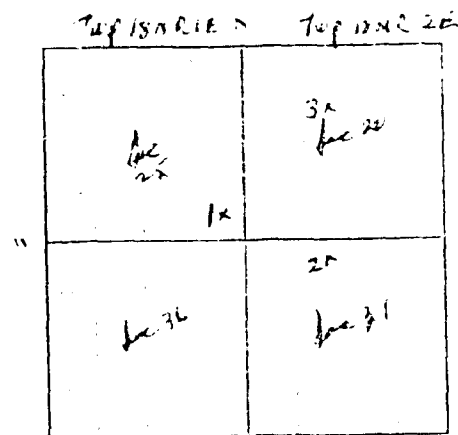
Contractor (if any): **None**

Address of Contractor

used for over 50 years.

Date Started: **Have been** ~~used for over 50 years.~~

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



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

estimate approximate lengths of periods of use. **The three springs**

- SE 1/4 Sec. 25, T18 NR 1 E.**
Indicate point of appropriation and place of use, if possible.
- NE 1/4 Sec. 31, T18 NR 2 E.**
- SE 1/4 Sec. 20, T18 NR 2 E.**

developed the following quantity of water: Spring No. 1 5 gals. per minute, Spring No. 2 15 gals. per minute, and Spring No. 3 5 gals. per minute. All flow continuously throughout the year.

Signature of Owner: *[Handwritten Signature]*

Date: **December 27, 1963**

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

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

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

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

27907

3919

STATE OF MONTANA,
County of Cascade.

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

_____ 1952
Date

at _____ o'clock
J. L. LENNON
County Clerk and Recorder

By A. C. [Signature]
Deputy

County *Cascade*

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner *Geo. P. Wolfe*

Address *Cascade*

Date well started *Oct. 10 - 61*

completed *Oct. 17 - 61*

Type of well *Drilled*

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

Water Use: Domestic Municipal Stock Irrigation

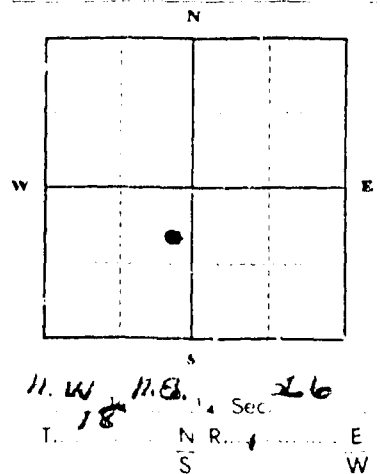
Industrial Drainage Other * Garden/Lawn

*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 *500,000 gals*

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
<i>2 1/2 inch</i>	<i>20 lb 170 lb per ft.</i>	<i>0</i>	<i>50</i>	Kind Size <i>10 x 10</i> From (Feet) <i>34</i> To (Feet) <i>36</i>



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

Driller's Signature *E. D. Rafferty*

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

LICENSE NO. *28*

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<i>0</i>	<i>2</i>	<i>Soam</i>
<i>2</i>	<i>6</i>	<i>Silt</i>
<i>6</i>	<i>9</i>	<i>Gravel</i>
<i>9</i>	<i>21</i>	<i>Silt</i>
<i>21</i>	<i>34</i>	<i>Dark shale</i>
<i>34</i>	<i>36</i>	<i>Sandy shale</i>
<i>36</i>	<i>50</i>	<i>Dark shale</i>

50 ft. Show exact depth of bottom

5354

STATE OF MONTANA,
County of Cascade.

I hereby certify that the within
document was filed in this office on
October 1973

DAVID L. LENNON

D. L. LENNON

Clerk and Ex. Sec.

J. H. ...
DEPUTY

File No.

File No.

DUPLICATE

County: _____

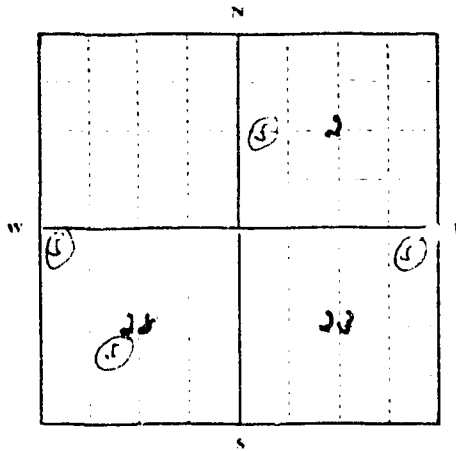
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater _____
Owner: _____ Address: _____
Contractor (if any) _____
Address of Contractor _____
Date Started _____ Date Completed _____



_____ 1/4 Sec. T. R.
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...

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.

File No. _____

T. _____ R. _____

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 20 1963

STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

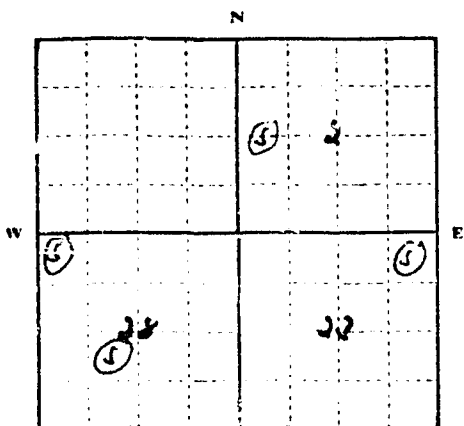
Owner..... Address..... Montana

Contractor (if any)

Address of Contractor

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

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



..... 1/4 Sec. T. R.

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

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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.....

....., when available, which

.....

.....

.....

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.

3583

STATE OF MONTANA, ss.
County of Cascade.

_____ of the within in-
scribed and verified in this office on
DEC 17 1962

at _____ o'clock _____ M

E. J. JOHNSON
County Clerk and Recorder.

By _____ Deputy.