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T 24 N R 23 W

County Flathead

RECEIVED
JAN 14 1968

Rights

1)

Niarada
(Town)

2. The beneficial use on which the claim is based.....
Sub-irrigation and watering of livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. We have owned land and used springs since about 1947.
4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... 4 miner's inches for group, that is 1 inch per spring.
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
Sub-irrigation of parts of said Section 7
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Natural flow and processes

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

Signature of Owner *James E. Harrison*
Date *Dec 16, 1963*

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. 24 N. R. 23 W.

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 6 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

Under Chapter 257 Montana Session Laws, 1961

Date of Appropriation of Groundwater March, 1949

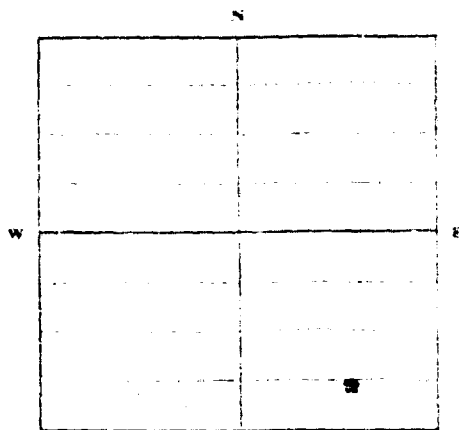
Name Thomas R. McDonald Address Mariaville, Montana

Owner of land None

Address of contractor None

Date started Date completed

Describe means of obtaining groundwater without a well "as by
circumference and other natural processes". Include depth to
water when applicable. Natural spring used for livestock
and irrigation.



& SW 1/4 SE 1/4
SE 1/4 1/4 Sec 8 24 123W
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 Runs and
used year around. Runs in a southerly direction.

Signature Thomas R. McDonald

Date December 31, 1963

This form to be prepared by contractor or appropriate owner.

The copies of this notice are to be filed with the county clerk and recorder of the county in which the
waters are located.

Three copies of this notice, if not used, will be returned.

Original copy of this notice to be filed with the State Engineer. Duplicate to the Montana
Department of Natural Resources, Division of Water.

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T. 24 R. 23W

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 8 1964

Notice of Completion of Groundwater Appropriation
Without Well

Under Chapter 207 Montana Session Laws, 1961

Date of Appropriation of Groundwater March, 1942

Owner Thomas R. McDonald Address Niarada, Montana

Character of use None

Address of contractor None

Date Started Date Completed

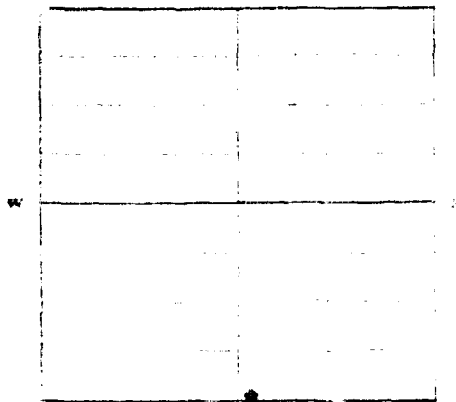
Describe means of appropriating groundwater without a well (as by
subirrigation, etc., flow natural processes). Include depth to
water when applicable

Natural spring. Largest - Used
to water livestock and irrigation. Runs a stream
and sub-irrigates.

Quantity of water diverted and used with explanation of method
of diversion, estimate of amount. If use is intermittent

Time of diversion, nature of periods of use Used year

around and runs a stream that flows in a westerly
direction about 6 inches.



SE 1/4 SW 1/4 T. 24 R. 23 W.
Indicate point of diversion
and nature of use of water

Signature Thomas R. McDonald

December 31, 1963

This form to be completed by contractor or approved by the owner

Three copies of this notice must be filed with the county clerk and the engineer of the county in which the
diversion is made

Please answer all questions. If not applicable, so indicate. Otherwise, this form will be returned

Original to the County Clerk and the County Engineer. Copy to the Montana
Department of Mineral Resources, Helena, Montana.

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File No.

GW 4

T. 24 N. W R. 23County Flathead

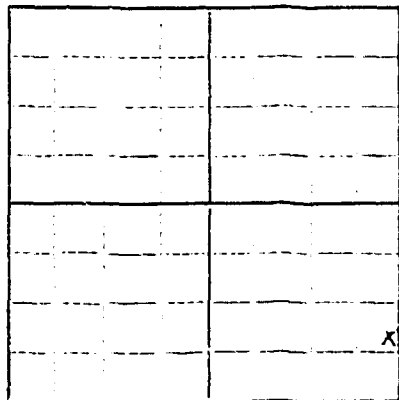
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 6 1964
STATE ENGINEER

1. Josephine A. Muller of Flathead
(Name of Appropriator) (Address) (Town)
County of Flathead State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 6 T. 24 N. R. 23

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. For irrigation
3-1956 for water and land
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. November 3, 1956
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 350 gallons
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.
for garden and yard
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pressure
pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 9-1-1956 10-1-1956
8. The depth of water table. 10 to 60 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. 7 inch D. hole
10. The estimated amount of groundwater withdrawn each year. 1,000,000 gallons
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.

Signature of Owner

Josephine A. Muller
Date December 27, 1963

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

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

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

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File No.

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T. 24N R. 23W

County Flathead

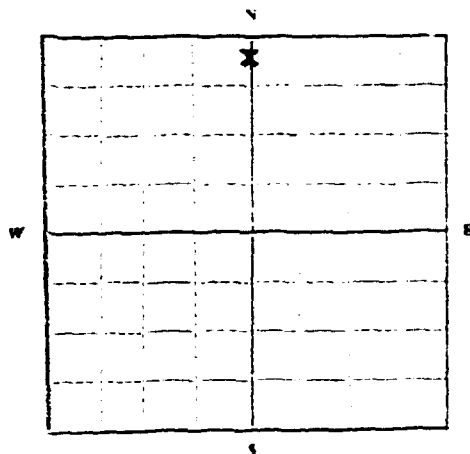
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 6 1964
STATE ENGINEER

I, Waite L. Foot, of Kaliispell (Town)
(Name of Appropriator) (Address)
County of Flathead State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 9 T. 24N R. 23W

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 Water and Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Earliest in 1940
Intermittent since 1940
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 500 Gallon per minute 4 months
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.
Section 9 (nine) T. 24N R. 23W
Waite L. Foot
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
Pump & Motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Before 1940
8. The depth of water table. 165 Ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
Drilled 8 inch casing 165 ft.
10. The estimated amount of groundwater withdrawn each year.
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.

Signature of Owner

Waite L. Foot

Date

Jan 3, 1964

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

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

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

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File No.

SW 4

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County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

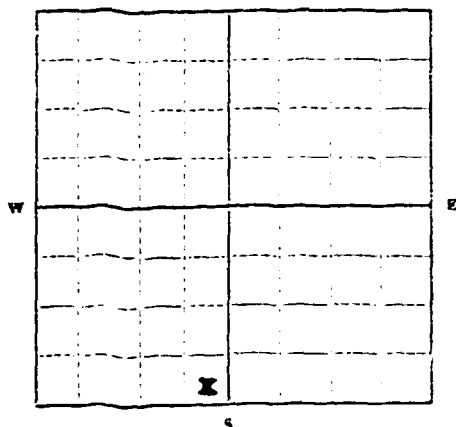
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 6 1964

STATE ENGINEER

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



SW 1/4 Sec. 9 T. 24N R. 23W

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 Stock Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
1922 Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute).
20 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.
Pump and Motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
1922
8. The depth of water table.
23 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 25 ft. deep
10. The estimated amount of groundwater withdrawn each year.
11. The log of formations encountered in the drilling of each well (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.

Signature of Owner Wait L. Foot

Date Jan 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.

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File No.

SW 4

T 24N R 23W

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

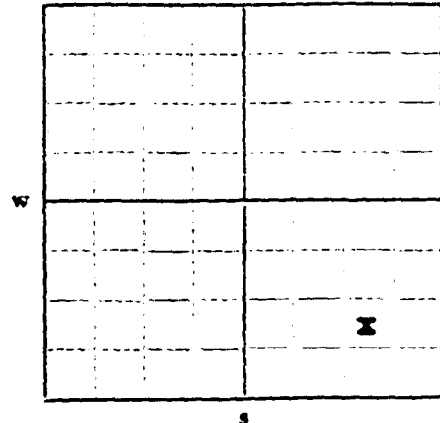
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 6 1964

STATE ENGINEER

1. Waite L. Foot of Kaliapell
(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:



S E 1/4 Sec. 17 T24N R 23W

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 Stock Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been..... **1950**
Intermittent since 1950
4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... **20 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.....
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Pump & Motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
Before 1950
8. The depth of water table..... **170 ft.**
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
Drilled 6 inch casing 170 ft.
10. The estimated amount of groundwater withdrawn each year.....
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.....

Signature of Owner Waite L. FootDate 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.

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T. 24 R. 23W

County Flathead

JAN 6 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

15 ENGINEER

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

Under Chapter 247, Montana Session Laws, 1961

Date of Appropriation of Groundwater **March 1949**

Appropriator **Thomas R. McDonald** Address **Niarada, Montana**

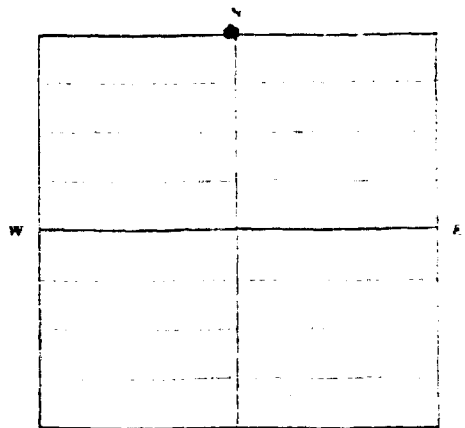
Contractor, if any **None**

Address of Contractor **None**

Date Started **-----** Date Completed **-----**

Describe means of obtaining groundwater without a well, as by
infiltration and other natural processes. Include depth to
water when applicable **Natural spring used to water**

Livestock and irrigation.



& NW-NE;

NE 1/4 NW 1/4 Sec 17 T 24 R 23 W

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 **Springs run**
and used year around. Runs a stream in a
westerly direction about 3 or 4 inches depending
on season.

Thomas R. McDonald

Date **December 31, 1963**

This form to be prepared by contractor or, if not, by the owner.

Three copies of this notice must be filed with the county clerk and recorder of the county in which the
works are located.

Please answer all questions. If not, indicate where not stated. Otherwise the form will be returned.

Original to be filed with county clerk and recorder, and duplicate to be filed with the State Engineer. Triplicate to the Montana
Department of Agriculture, Bureau of Land Management, and duplicate to the State Engineer.

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FILE NO.

T. 24 R. 23W

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

Notice of Completion of Groundwater Appropriation
Without Well

Under Chapter 107 Montana Session Laws, 1961

Date of Appropriation of Groundwater

Owner Thomas R. McDonald, Abscon, Montana

Character of Use None

Address of Contractor None

Date Started

Date Completed

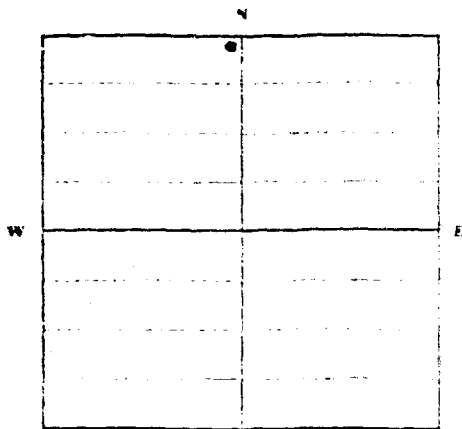
Describe means of obtaining groundwater without a well "as by streambed and other natural processes". Include depth to water when applicable. This is a natural spring from

which I pump water for domestic use in the house and garden.

Quantity of water delivered and used with explanation of method of measurement or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. Used daily

500 gallons



& NW 1/4 NE 1/4

NE 1/4 NW 1/4 Sec. 17 T. 24 R. 23 W

Indicate point of appropriation and place of use if possible.

Signature Thomas R. McDonald

Date December 31, 1963

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

Three copies of this notice are to be filed with the County Clerk and the Auditor 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 Auditor, and a copy to the State Engineer. Transmits to the Montana Bureau of Mines and Geology for registration.

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File No.

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T 24N R 23WCounty Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

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

NE $\frac{1}{4}$ Sec 20 T 24N 23W

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 Stock Water

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been
1930

4. The amount of groundwater claimed (in miner's inches or gallons
per minute)
80 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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater 1930

8. The depth of water table 279 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater.
Drilled 4 inch Casing 279 ft.

10. The estimated amount of groundwater withdrawn each year

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

Signature of Owner Naite L. Foot

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.

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File No.

GW 4

24N R 23W

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 6 1964

STATE ENGINEER

Maite L. Foot

(Name of Appropriator)

of

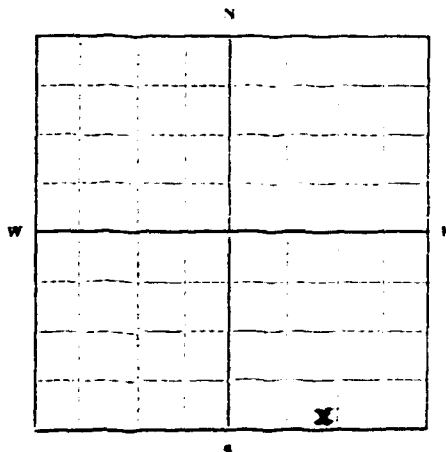
Address)

Kalispell

(Town)

County of FlatheadState of Montana

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



SE 1/4 Sec. 22 24N R 23W

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 Water

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

1913**Intermittent since 1913**

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

20 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

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

Pump and Motor

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

1922

8. The depth of water table

35 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 35 ft. 3 ft. Diameter

10. The estimated amount of groundwater withdrawn each year

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

Signature of Owner

Maite L. Foot

Date

Jan 3, 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.

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File No. _____

T. 24 N R. 23 W

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)

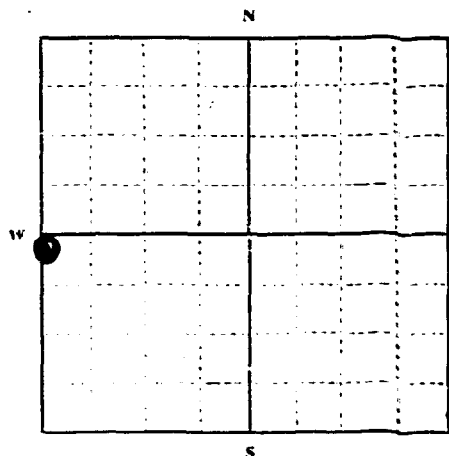
Date of Appropriation of Groundwater 1960Owner H. G. Wood Address Harada, MontanaContractor (if any) NoneAddress of Contractor NoneDate Started 1960 Date Completed 1960

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

Total of four springs. All springs are located in E 24.R 23 in sections 30, 31, and 35.

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. 1,000 gallons per hour, measured by pumping. Use is continuous.

Signature of Owner H. G. WoodDate Dec 19 1963W 1/4 Sec. 30 T24 R23

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.

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File No.

T. 24N. R. 23W

DUPLICATE

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

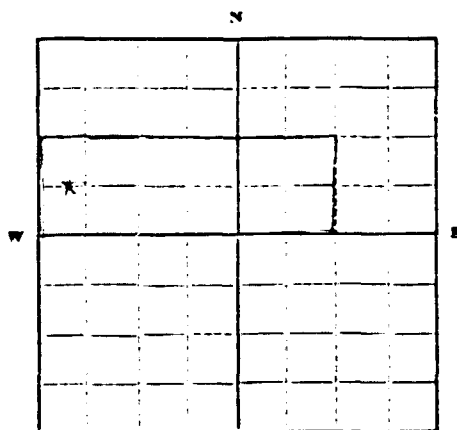
DEC 30 1963

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Louise E. Herman & Leigh Herman of Nirada
(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:



24N. 23W. Sec 31
SW 1/4 NE 1/4

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 domestic and household use, watering of livestock, yard and garden irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1948, continuous use ever since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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 Yard and garden irrigation which is at well, as indicated.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric powered pump; see chart for location of well.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1948
8. The depth of water table Water in well is about 150 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 A drilled well about 230 feet deep; about a 5 inch casing
10. The estimated amount of groundwater withdrawn each year At least 200,000 gallons.
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 The closest well to this one is about 3/4 of a mile distant. We know of no other useful information.

Signature of Owner

Leigh Herman
Louise E. Herman

Date December 10, 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.

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L. E. M.
LX.

File No. _____

T. 24 N. R. 23 E

DUPLICATE

County Flathead

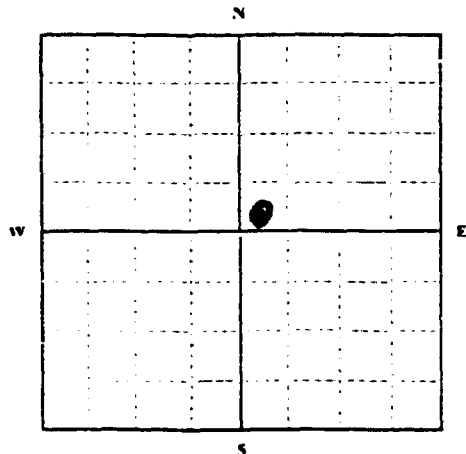
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. W. G. Wood of Marade
(Name of Appropriator) (Address) (Town)
County of Sanders State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



2. 1/4 Sec 32 T 24 R 23

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 livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Earliest beneficial use 1922, continuous since that time.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) ten gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not used for irrigation.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1922
8. The depth of water table 60 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well, 4 inch, 280 feet deep.
10. The estimated amount of groundwater withdrawn each year 300,000 gallons.
11. The log of formations encountered in the drilling of each well if available No log 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 No other information available.

Signature of Owner

W. G. WoodDate Dec 19 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.

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GROUNDWATER INDEX

County Johnson Twp. 1 Rge. 1

[illegible]

County Franklin Twp. 7 Rge. 1

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
No.	K. Miller, Emma C.	GW4	10315	
	Kropf, Jennie	GW2	13993	
	Keller, Charles	GW2	13169	
	Smith, Henry	GW2	10421	
	Smalley, Earl S.	GW2	14742	
	Amos, Dan	GW2	13930	
	Arnall, Paul O.	GW4	11084	
	Steppe, David A.	GW2	110	
	Toddick, Robert H.	GW2	110	
	Ward, Carl L.	GW4	9350	
	Welsh, Richard P.	GW4	10794	
	Wilson, B. C.	GW2	9340	
	Wright, George E. & Ruth R.	GW4	11081	
	Williams, D. R.	GW2	9857	
	McKinley, Raymond C.	GW2	9467	
	Radcliffe, George L.	GW4	10745	
	Reiger, Frank	GW2	9432	
9	Carter, Douglas B.	GW4	10485	
33	Mittelstadt, Walter D. & Della L.	well log		
27	Schrade, John	GW2	14289	
	Lindsay	GW2	9823	
10	Bernard, Louis L.	GW2	11928	
22	Koenig, Wanda	well log	9066	
21	Davis, William & Dorothy Ann	GW2	198702	
	Stebbins, Bernard			
2	Pritchard, William + Emma	GW2	192176	
21	Porter, Leo	GW2	14035	
	Jordan, Leo	GW2	210253	
-	Fisher, Virgil	GW4	11106	

File No.

GW 4

T. 22 N. 22 W. 12

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

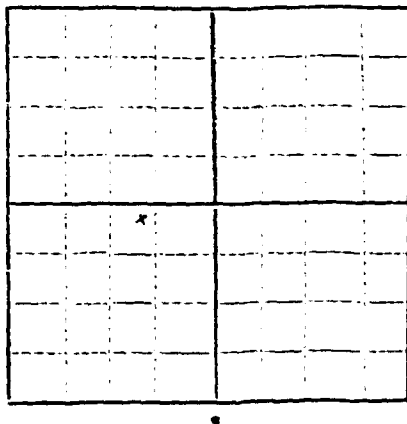
(Under Chapter 237, Montana Session Laws, 1961)

JAN 6 1964

STATE ENGINEER

I, Louis T. Phillips
Carol B. Phillips of Rt 3 2 Mile Dr. Kalispell
(Name of Appropriator) (Address) (Town)

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



NE 1/4 Sec. 12 T. 22 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 & commercial

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been Sept. 1950
continuous

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

5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
5 acres
Louis T. Phillips
Carol B. Phillips

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater Sept 1950

8. The depth of water table 20'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater 7" steel cased well
216' deep

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

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

Louis T. Phillips
Carol B. Phillips
Date Dec 30, 1963

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

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

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

109/9

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File No. _____

GW 1

T. _____ R. _____

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 1 1965

Notice of Completion of Groundwater
Appropriation by Means of Well ENGINEER
(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level 2980)

2 ft Top soil
to

30 ft Boulders
to

Clay
+ Bluish
fill

56 ft

90 ft Hard
to

128 ft Dry
to

gravel
with cobble

202 ft little
water

rock

Owner E. L. McCulloch Address Merion Stage

Driller Homer McClintock Address 745 - 8th Ave. N.

Date of Notice of Appropriation of Groundwater _____

Date well started Mar 4, 1965 Date Completed Apr. 15/65

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

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)
	<u>2 3/4"</u>		<u>128 ft</u>			

Static Water Level for non-flowing Well 75 feet.

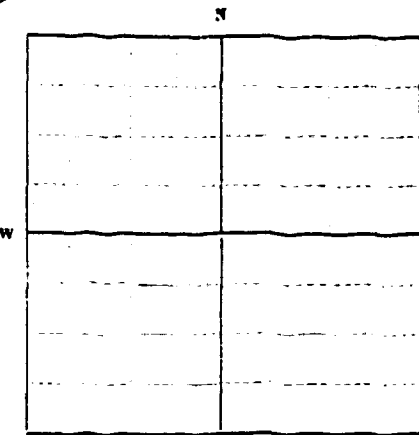
Shut-in Pressure for Flowing Well _____

Pumping Water Level from 20 feet at 13 1/2 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Bailer Length of Test 3 hrs

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



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

259 1/2 ft. Water

Show exact depth of bottom.

Driller's License Number 18

Driller's Signature Homer McClintock

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.

GW 2

T. R County Flathead

**STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER**

Top of Ground

(Elev. above sea level)

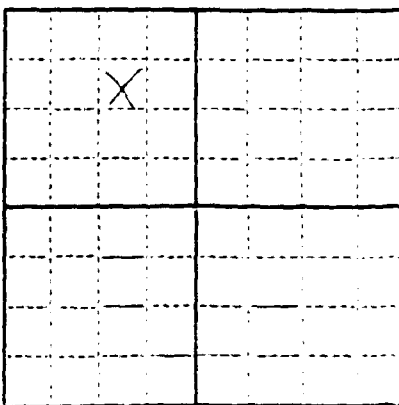
**Notice of Completion of Groundwater
Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

Owner Montana County Address Blancha Falls Mont.Driller Allen & Justin Address Blancha Falls Mont.Date of Notice of Appropriation of Groundwater now filedDate well started Feb 5 - 68 Date Completed Feb 22 68Type of well drilled Equipment Used airlift
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Stock ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 3/8"	2 3/4" 160	0	229	none		
7 1/8"	1" C.D.					



Sec 22 T20 R
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 84 feetShut-in Pressure for Flowing W non-flowingPumping Water Level 150 feet at 100 gal. per minute.Discharge in gal. per min. of flowing well non-flowingHow Tested airlift 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

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.

13317

STATE OF MONTANA }
COUNTY OF FLATHEAD } SS
Filed on the 12 day of May
A.D. 1968 at 4:35 o'clock M
County Clerk and Recorder
By Deputy

RECEIVED
JUN 27 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. _____ R. _____
County Flathead

WATER WELL LOG

Owner Mr. John D. Litten Address Big Fork Mont
Driller Homer McClarty Address 945 8th Ave N
Date Started June 10/57 Date Completed June 26/57
Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

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

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

Casing: 7.0 D. ft. to 11' 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 None

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

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

Pumping water level 85 feet at 2 gal. per min.

How tested: Bailer

Length of test: 3 hrs

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. _____ R. _____
County Glacier

WATER WELL LOG

Owner Carlson & Son Address Butte
Driller Norman McCarty Address Helena
Date Started June 10, 1958 Date Completed June 19, 58
Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

Type of well Drilled Equipment used Wix tool, 2 1/2" W
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: 7 1/2" ft. to _____ ft. Type 2 1/2" H 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: _____ feet.

Shut-in pressure, for flowing well: _____ lb. sq. in. on: 2300 A.P.H.
(date)

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

How tested: Well in running

Length of test: _____

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

(over)

Curran

Depth, feet		Description of Material Drilled
From	To	
		21 5 1/2 3 40 1 1/2 20 1 3/4 10 1 1/2 5 sand clay
		coarse sand
		9 ft gravel
		to
		103 ft

RECEIVED

T. _____ R. _____

County Deerhead

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

Owner Bill Barker Address Graston

Driller Homer McCarty Address Leipsell

Date Started _____ Date Completed 1957

Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

Type of well drilled Equipment used solid tool 2 1/4"
(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: _____ feet.

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

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

How tested: Trailer

Length of test _____

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

(over)

Log of Well

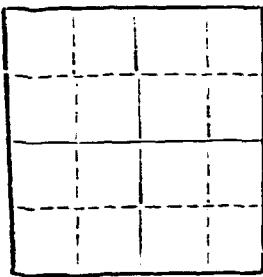
Depth, feet		Description of Material Drilled
From	To	
		Bank
14 1/2		Gravel
		Gravel
		Gravel
45 1/2		Gravel
		Gravel
65		Gravel
		Gravel
10'		Gravel
		Gravel
111 1/2		Gravel

T. _____ R. _____
County Glacier

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER W. H. H. H.



Owner W. H. H. H. Address W. H. H. H.

Driller W. H. H. H. Address W. H. H. H.

Date Started Aug 21, 1907 Date Completed Aug 21, 1907

Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

Type of well Drilled Equipment used 2 1/2" W. H. H. H.
(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: _____ feet.

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

Pumping water level: 17 feet at 1,200 gal. per min.

How tested: _____

Length of test: _____

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
		Top of
		Red
		X Clay
		Level
		Subst. other than
		level

T. _____ R. _____
County Flathead

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner W. E. Casper Address Lakeside, Montana
Driller Olsen & Justin 224 Address Columbia Falls, Montana
Date Started October 30, 1957 Date Completed November 6, 1957
Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

Type of well Drilled Equipment used Star 71 Cable Drill
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: 0 ft. to 198 ft. Type Steel Casing Size 7"
(Welded Joints)

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 None

Static Water level, for non-flowing well: 36' from surface feet.

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

Pumping water level: 36' feet at 1200 gal. per min. HR.

How tested: Bailer

Length of test: _____

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

0 to 64 ft. - Gray hard pan. 64' to 132' yellow clay with trace of gravel.

132' to 156' Brown clay and slide rock. 156' to 182' decomposed bedrock.

First water at 156 ft. 182' to 198' shattered bed rock - static water level

36' from surface - Total depth 198'.

(over)

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. _____ R. _____

County _____

WATER WELL LOG

Owner _____ Address _____

Driller _____ Address _____

Date Started _____ Date Completed Sept 24/58

Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

Type of well _____ Equipment Used _____
(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: 32' feet.

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

Pumping water level _____ feet at _____ gal. per min. 100

How tested: in situ

Length of test 10 min

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

(over)

RECEIVED

JAN 28 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. _____ R. _____

County _____

WATER WELL LOG

Owner Walter H. Smith Address Butte, Montana

Driller James H. Smith Address Butte, Montana

Date Started Sept 2, 1958 Date Completed Sept 24, 1958

Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other: _____

Casing: 7 1/2 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: 30' feet.

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

Pumping water level _____ feet at _____ gal. per min. 400

How tested: Bailer

Length of test 2 hrs

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

(over)

Original

21 12 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 104

RECEIVED
JUN 10 1964

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. _____ R. _____
County Stevens

WATER WELL LOG

Owner W. J. Paul Address Waple Mont

Driller W. J. Paul Address Waple Mont

Date Started 6-1-64 Date Completed June 3, 64

Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

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

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

Casing: 1 ft. to 2.5 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: _____ 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)

well sealed in - 5' - 7'

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	10	fine sand
10	20	fine sand - not pure
20	30	fine sand
30	40	fine sand, some gravel

STATE OF IOWA
 DEPARTMENT OF GEOLOGY
 I. D. JOSEPH, Director
 J. W. HARRIS, Chief Clerk
 J. H. HARRIS, Chief Clerk
 J. H. HARRIS, Chief Clerk

T. _____ R. _____
County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
10-11-60

WATER WELL LOG

STATE ENGINEER

Owner Harley Anderson Address 1041 Franklin
Driller Tommy McHenry Address 145-10-10
Date Started Nov. 4, 1960 Date Completed Nov. 10/60

Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

Type of well drilled Equipment used solid tool, 21W
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: 1 1/2" ft. to 154 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: 18 ft. feet.

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

Pumping water level: 114 feet at 200 gal. per min.

How tested: 30 min

Length of test: 30 min

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
		3 ft top
		18 ft clay + brown sand
		20 ft coarse sand very little water
		21 ft clay
		121 ft
		122 ft green fine sand
		6' 11" 30 g. sand 15' 6" 70 g. 15' 11"
		159 ft coarse sand water

T. _____ R. _____
County Flathead

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Flathead Fish Hatchery Address Creston Mont
Driller James M. Clardy Address 745-8th and W
Date Started MAY 1, 1957 Date Completed MAY 15, 1957
Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

Type of well drilled Equipment used solid tool
(Aug. driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: 12 ft. to 20 ft. Type steel water Size 12
Casing: 8 ft. to 47 ft. Type steel water Size 8
Casing: 7 ft. to 105 ft. Type steel water Size 7
Perforated or Screened: Ft. 94 to ft. 105 Ft. _____ to ft. _____

Type of screen or perforations perforated

Static Water level, for non-flowing well: 7 flowing feet.

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

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

How tested: measured

Length of test _____

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

welded plate on top 2 ft. above ground with
4 outlet

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
75	103	and quick sand facies mud
75	103	mud with strong flow, water.

T. _____ R. _____
County Helena

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Richard Krey Address 1 Lakeside
Driller Homer McClarty Address 945 - 8th Ave N.
Date Started Mar. 13, 1959 Date Completed April 14/59
Location: Sec. Bigfork T. _____ R. _____ 1/4 sec. _____

Type of well Drilled Equipment used 22W - solid tool
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other: _____

Casing: 7" 198 ft. to 198 ft. Type _____ Size _____

Casing: 5" 244 ft. to 310 ft. Type _____ Size _____

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

Perforated or Screened: Ft. 290 to ft. 300 Ft. _____ to ft. _____

Type of screen or perforations 5" Tensar pipe

Static Water level, for non-flowing well: 17 ft feet.

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

Pumping water level 175 feet at _____ gal. per min. 400

How tested: 400 G.P.H. bailer & pump

Length of test 7 hrs - 2 hrs

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

Gravel packed from 198 ft to

310 ft.

(over)

Log of Well

[illegible]

Log of Well

Depth, feet		Description of Material Drilled
From	To	
6.00	7.00	fine sand
	8.00	fine sand
11.50	12.00	fine sand
	13.00	fine sand
	14.00	fine sand
	15.00	fine sand
	16.00	fine sand
	17.00	fine sand
	18.00	fine sand
	19.00	fine sand
	20.00	fine sand
	21.00	fine sand
	22.00	fine sand
	23.00	fine sand
	24.00	fine sand
	25.00	fine sand
	26.00	fine sand
	27.00	fine sand
	28.00	fine sand
	29.00	fine sand
	30.00	fine sand
	31.00	fine sand
	32.00	fine sand
	33.00	fine sand
	34.00	fine sand
	35.00	fine sand
	36.00	fine sand
	37.00	fine sand
	38.00	fine sand
	39.00	fine sand
	40.00	fine sand
	41.00	fine sand
	42.00	fine sand
	43.00	fine sand
	44.00	fine sand
	45.00	fine sand
	46.00	fine sand
	47.00	fine sand
	48.00	fine sand
	49.00	fine sand
	50.00	fine sand
	51.00	fine sand
	52.00	fine sand
	53.00	fine sand
	54.00	fine sand
	55.00	fine sand
	56.00	fine sand
	57.00	fine sand
	58.00	fine sand
	59.00	fine sand
	60.00	fine sand
	61.00	fine sand
	62.00	fine sand
	63.00	fine sand
	64.00	fine sand
	65.00	fine sand
	66.00	fine sand
	67.00	fine sand
	68.00	fine sand
	69.00	fine sand
	70.00	fine sand
	71.00	fine sand
	72.00	fine sand
	73.00	fine sand
	74.00	fine sand
	75.00	fine sand
	76.00	fine sand
	77.00	fine sand
	78.00	fine sand
	79.00	fine sand
	80.00	fine sand
	81.00	fine sand
	82.00	fine sand
	83.00	fine sand
	84.00	fine sand
	85.00	fine sand
	86.00	fine sand
	87.00	fine sand
	88.00	fine sand
	89.00	fine sand
	90.00	fine sand
	91.00	fine sand
	92.00	fine sand
	93.00	fine sand
	94.00	fine sand
	95.00	fine sand
	96.00	fine sand
	97.00	fine sand
	98.00	fine sand
	99.00	fine sand
	100.00	fine sand

RECEIVED
JUL 2 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. _____ R. _____

County _____

WATER WELL LOG

Owner Hartman Address Kalispell
Driller Armer M. E. Clarity Address Kalispell
Date Started April 23/58 Date Completed April 28/58
Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

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

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

Casing: 2 1/2" ft. to 14 1/2' ft. Type Threaded Size 7 C D
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____

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

Type of screen or perforations _____

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

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

Pumping water level 35' 0" PAF feet at 144 ft. gal. per min. _____

How tested: Baker

Length of test 1 hr.

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

(over)

Depth, feet		Description of Material Drilled
From	To	
Top	5'2	Clay & Sand.
5'2	103	Cement Gravel
103	133	Sand Fine Gravel yellowish brown
133	139	Changing to Brown formation some water
139	144	Water bearing Gravel

Top 52 Clay & Sand.
52 103 Cement Gravel
103 133 Sand Fine Gravel yellowish brown
133 139 Changing to Brown formation some water
139 144 water bearing Gravel