

#2243 31539D

I received and filed this instrument for  
records on the 18<sup>th</sup> day of Apr 1928  
at 2:00 o'clock P. M. permanent files  
of Missoula County State of Montana  
Witness my hand  
Ernest H. Cross, County Recorder  
By Thos. J. ... Deputy  
Fee \$ 2.00 Paid

File No. ....

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

DUPLICATE

County Missoula

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 4-18-72

Owner Robert H. ... Address P.O. ...

Contractor (if any) .....

Address of Contractor .....

Date Started 4-18-72 Date Completed 4-18-72

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

Natural spring  
How developed?  
Recessed lined & ditched to use + pipe.

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

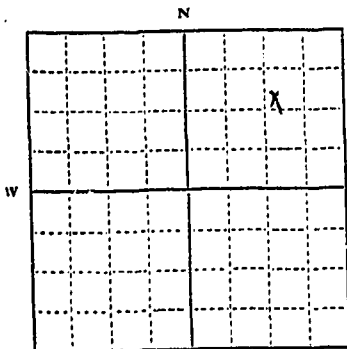
estimate approximate lengths of periods of use.....

Small pipe lines  
12 mos.

Gallons Per minute claimed?  
Use? 6 Meters inches Domestic & irrigation.

Signature of Owner .....

Date 4-18-72



N.E. 1/4 of Sec. 7 T. 14 N. R. 11 W.

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

Doc. No. #2263, 315398  
Filed in  
this 18th April  
A. D. 19 72 2:00  
o'clock P.

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. 112 R. 17

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1963

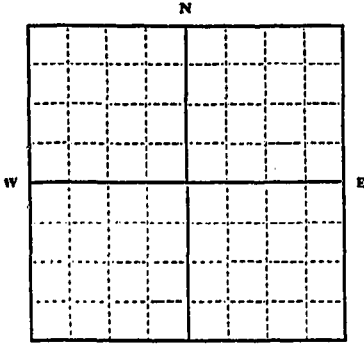
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Donald V. Roth, of Clinton Montana  
(Name of Appropriator) (Address) (Town)

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



Sets 4, 5, Part Set 6  
Sets 1, 9 SW 1/4 NW 1/4 SW 1/4  
1/4 Sec. 3 T. 112 R. 17  
34-15

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

part sets 4, 5, 8 & 2 SE

2. The beneficial use on which the claim is based home held irrigating and stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been at all times starting in 1919 for stock

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 lawns and garden plot about one acre

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump on corner electric house hold electric pump under house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1919 stock well - 1920 household well

8. The depth of water table about 30 feet to 35 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 aug about 15 feet drilled 15 ft. 5 in casing 2 in pipe

10. The estimated amount of groundwater withdrawn each year 500,000 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 not known

Signature of Owner Jeannie A. Roth

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.

1022

215496

This instrument for  
to and of this instrument for  
3:27 PM Dec 1963  
M. permanent file  
of Montana State of Montana  
County Recorder  
MARTIN S. BELNEED  
200

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

T. 11W R. 17W

DUPLICATE

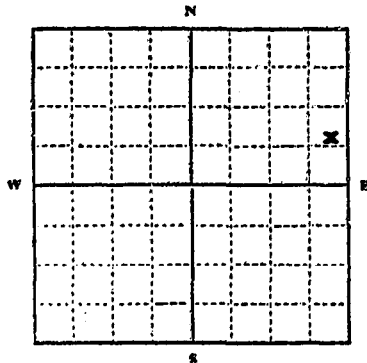
County. Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JU JAN 3 1963

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

I, Lee Elliott, of Clinton  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



2. The beneficial use on which the claim is based. Domestic and business. Dwelling, cafe, lounge, motel

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1948 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 50 gallons 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. Lawn, plunge and shrubbery

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. 1 1/2 h.p. electric motor and pump

SM 1/2 NE 1/4 Sec. 12, T. 11 R. 17

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1948 commenced and completed

8. The depth of water table. 4 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. 6 inch casing, 12 feet deep

10. The estimated amount of groundwater withdrawn each year. 500,000 gallons annually

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

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. Lee Elliott

Date. December 31, 1963

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

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

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

20330

1211

I received <sup>copy</sup> of the instrument for  
 record 77023127 Dec. 1963  
 at \_\_\_\_\_ permanent files  
 of Missoula County, State of Montana  
 Witness my hand  
 By Martin S. Baker County Recorder  
Richard Deputy  
 Paid

MISSOULA COUNTY RECORDS DEPARTMENT  
 1000 N. 1ST ST. MISSOULA, MONTANA 59701  
 PHONE 544-1111

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 227 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 Mr. & Mrs. Bruce Elliot  
Rocky Creek Lodge  
 Address Clinton, Mont.  
 Date well started 7/2/72  
 completed 9/26/72

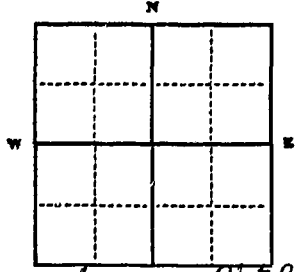
For Administrator's Use  
 File 2424, 328406  
Feb. 26, 1973  
 GW 1. 12.02. P. M.

Type of well Rotary  
 (Aug. driven, bored or drilled)  
 Equipment used Rotary with ball bearing drive  
 (Churn drill, rotary or other)  
 Water Use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other  Garden/Lawn

\*Describe Motel & Lodge  
 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 80 gal per min

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind	From (Foot)	To (Foot)
<u>7 3/8"</u>	<u>6" 10</u>	<u>18"</u>	<u>72'</u>	<u>none</u>		
<u>to 72'</u>	<u>6 5/8"</u>	<u>about</u>	<u>below</u>			
<u>5" to 78'</u>	<u>8 25</u>	<u>ground</u>	<u>surface</u>			
	<u>17 1/2</u>	<u>per ft.</u>				



Lot 8 Plot B-2  
7th 8 1/4 Sec 12  
 T. 17N R. 5E  
11N 5 17R Ww

Static water level 7' ft.\*  
 Pumping water level 20 ft.\*  
 at 6.00 gallons per minute,  
 measured 4.0 minutes after pumping  
 began.  
 \*Measured from ground level.  
 Well developed by air  
 for 1 hours.  
 Power Electric Pump 250 HP  
 Remarks: (Gravel packing, cementing,  
 packers, type of shutoff)  
casing 72'

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

Driller's Signature Howard Sander  
 Driller's Address RT 1, Box 1182  
Hamilton, Mont 59840  
 LICENSE NO. 236

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) 3600

From (Foot)	To (Foot)	
<u>0</u>	<u>3</u>	<u>top soil</u>
<u>3</u>	<u>7</u>	<u>clay</u>
<u>7</u>	<u>31</u>	<u>fine sandstone</u>
<u>31</u>	<u>72</u>	<u>coarse gravel</u>
<u>72</u>	<u>78</u>	<u>water</u>
<u>78</u>	<u>78</u>	<u>with aquifer</u>
		<u>and not to be</u>
		<u>used</u>

78' Show exact depth of bottom



20

328706

I received and filed this instrument for  
 record on the 26 day of Feb, 1922  
 at 12:30 o'clock P.M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand  
 Dorothy L. Haud, County Recorder  
 By Henry H. Halden, Deputy  
 Fee \$ Ten Cents Paid

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

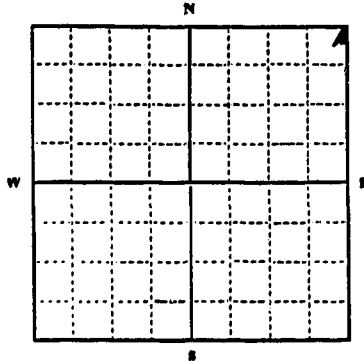
STATE WATER CONSERVATION BOARD  
OCT 26 1968

T. 11 R. 17  
County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

1 Ida Byrnes Donnelly of Clinton Montana  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE NE<sup>1</sup>/<sub>4</sub> Sec. 13 T. 11N. R. 17W

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

- 2. The beneficial use on which the claim is based household and irrigation - lawn and garden
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. June 1958
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 15 gallons per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. One and two-tenths acres on which is located a residence, 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 operated pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1958
- 8. The depth of water table. 11 feet and 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. 5 inch casing - 30 feet deep
- 10. The estimated amount of groundwater withdrawn each year. 40,000 cubic feet - or 340,000 gallons
- 11. The log of formations encountered in the drilling of each well if available. Well was drilled by John Farrell, Arlee, Montana.
- 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 Ida Byrnes Donnelly  
Date October 15, 1968

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.

1658

254931

I received and filed this Instrument for  
 record on the 20 day of Oct. 1966.  
 at 11:00 o'clock P. M. permanent files  
 of Missoula County, State of Montana  
 Witness my hand  
 Vermae R. Coura, County Recorder  
 By M. M. Croughey Deputy  
 Fee \$2.00

11  
10/20/66

MISSOULA COUNTY RECORDER

10/20/66

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

T. 12<sup>th</sup> R. 17<sup>th</sup> W

DUPLICATE

County MISSOULA

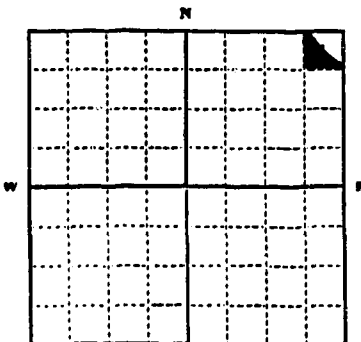
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 18 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

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



NE 1/4 NE Sec. 13 T. 12 R. 17  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based House hold Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1954  
CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 inches

5. If used for irrigation, give the acreage and description of the lands to which water has been applied, and name of the owner thereof  
5 Acres, Hay & Pasture  
JIM A. EKSTROM

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1954

8. The depth of water table: 20ft.

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: 34 ft Deep 6" casing 1 1/2 hp Jet ELECTRICAL PUMP

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

11. The log of formations encountered in the drilling of each well if available: Rock & Sand

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

Signature of Owner Jim A. Ekstrom  
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.

1356

# 216169

copy

I received and filed this instrument for record on the 9 day of Jan, 1964 at 2:10 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:  
**MARTIN S. BEHNER**, County Recorder  
 By Ethel James Deputy  
 Fee \$ 0. Paid

IN THE DISTRICT COURT OF THE STATE OF MONTANA

1964

FILE

RECORDED

1964

COMMERCIAL

2 INDEXED

JUN 11 1964  
2:10 PM  
A 150410

RECORDING - 10/11/64  
10/11/64

File No. ....

STATE WATER CONSERVATION BOARD

T. 11 R. 17

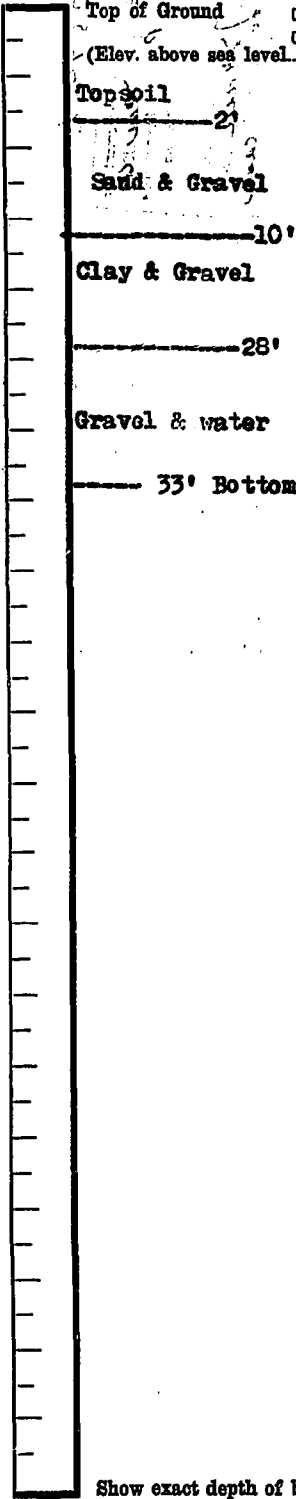
DUPLICATE

APR 4 1967

County Missoula

Billie \_\_\_\_\_ M. Donnett \_\_\_\_\_  
 Butera \_\_\_\_\_ McWhorter \_\_\_\_\_  
 Coyle \_\_\_\_\_ Meritt \_\_\_\_\_  
 Darlington \_\_\_\_\_ Sullivan \_\_\_\_\_  
 Dickert \_\_\_\_\_

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



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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Jim A. Ekstrom Address Box 71 Clinton

Driller Donald R. Beebe Address Arlee

Date of Notice of appropriation of groundwater .....

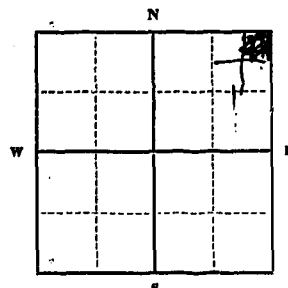
Date well started April 28 Date completed April 28

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

Water use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 17#	2' above Ground Level	33'	None		



Static Water Level for non-flowing well 18' feet.

Shut-in Pressure for Flowing Well N/A feet

Pumping Water Level 21' feet at 24 gal. per minute.

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

How Tested Ballor N/A

Length of Test One Hour

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

T. 11 Sec. 13 R. 17  
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Household

Show exact depth of bottom.

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

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

Driller's License Number

Donald R. Beebe

Driller's Signature

41836

1691

254401

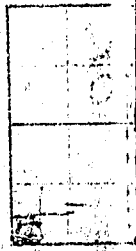
I received and filed this instrument for record on the 31 day of Decr. 1967 at 2:35 o'clock P.M., permanent files of Missoula Co., State of Montana

Witness my hand  
 Vergamoc R. Cooper, County Recorder  
 By Edna J. Paul, Deputy  
 Fee \$ 2.00 Paid cash

MISSOURI COUNTY RECORDERS OFFICE  
 MISSOULA, MONTANA

RECORDED  
 INDEXED

MISSOULA COUNTY RECORDERS OFFICE  
 MISSOULA, MONTANA



MISSOULA COUNTY RECORDERS OFFICE  
 MISSOULA, MONTANA

RECORDED  
 INDEXED

MISSOULA COUNTY RECORDERS OFFICE  
 MISSOULA, MONTANA

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13

File No. STATE WATER CONSERVATION BOARD

T. 11 R. 17W  
County MISSOULA

DUPLICATE

APR 4 1967

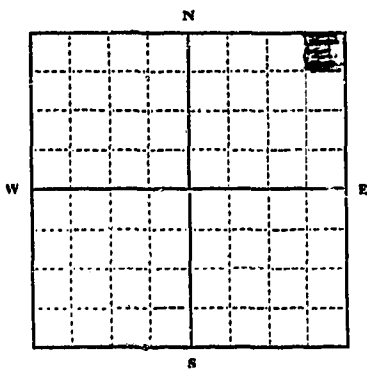
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jim A. Ekstrom, of Chinton  
(Name of Appropriator) (Address) (Town)

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



2. The beneficial use on which the claim is based. Household Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1954 CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5"

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric Pump Pressure & Other

1/4 Sec. 13, T. 11, R. 17W  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1954

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. 34  
6 1/2" casing  
1 1/2" H.P.  
Electric & Jet

10. The estimated amount of groundwater withdrawn each year.

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

100,000 Gals per year  
Rock Sand

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

Signature of Owner Jim A. Ekstrom  
Date March 31, 1967

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.

41837



1692

259402

I received and filed this Instrument for  
record on the 31 day of March 1967  
at 2:28 o'clock P.M., permanent files  
of Missoula County, State of Montana  
Witness my hand.  
Virginia R. Cope, County Recorder  
By Glen J. Mann, Deputy  
Fee \$ 2.00 Paid cash

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

T. 11N R. 17W B

DUPLICATE

RECEIVED

County Missoula

LOG

MAR 21 1971

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground Approx.  
(Elev. above sea level 3643)

### Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Formations Log:

- 0 - 8 1/2 Pit.
- 8 1/2 - 25 Boulders and cobblestones in clay.
- 25 - 34 Gravel imbedded in clay.
- 34 - 42 Water, sand, some fine gravel and clay.
- 42 - 43 Clean coarse sand and gravel.

Owner Jeffrey L. and Gale R. Govi Address Clinton, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed.

Date well started 8/27/60 Date completed 9/1/60

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

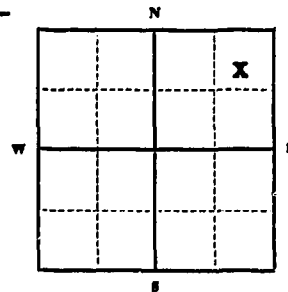
Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kid Size	From (Feet)	To (Feet)
6"	6 5/8" x 1/4"	5	43	N	O	N

Doc. No. 300587  
Filed for record this 17 day of MARCH  
A. D. 19 71 at 2:45  
o'clock P. M.

Water rises in well 25 1/2 feet to surface.



Static Water Level for non-flowing well 25 1/2 feet.

Shut-in Pressure for Flowing Well Non-f.  
Pumping Water Level 38 feet  
at 30 gal. per minute.

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

How Tested Air Lift Pump

Length of Test 2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through open bottom of six inch casing.

NE 1/4 Sec. 13, T11N R. 17W  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Approximately 9 acres.

Show exact depth of bottom.

Bottom of well 43 ft.

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

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

Driller's License Number 52

Driller's Signature William F. Osborne

48240

2101

300527

I received and filed this instrument for  
 record on the 19<sup>th</sup> day of November, 1921,  
 at 12:45 o'clock P.M., permanent file  
 of Missoula County, State of Montana  
 Witness my hand  
Veramo E. Crouse, County Recorder  
 By J. M. Carr Deputy  
 Fee \$2.00 Paid 60

Original  
 V. D. 22  
 Filed for  
 Record  
 No.         

Missoula County, Montana  
 Recorder's Office  
 Filed for Record  
 Nov 19 1921

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

T. 11N R. 17W 25

DUPLICATE

MONTANA WATER RESOURCES BOARD

RECEIVED

County Missoula

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground  
Approx.  
(Elev. above sea level 3643)

Notice of Completion of Groundwater  
Appropriation by Means of Well  
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Formations Log:

- 0 - 1 Silty sandy topsoil.
- 1 - 8 Sand and gravel with cobblestones mixed in.
- 8 - 24 Gravel and cobblestones imbedded in tan clay.
- 24 - 26 Tan sand.
- 26 - 44 Silty sand and gravel.
- 44 - 58 Fine sand and gravel.
- 58 - 72 Coarse sand and gravel.
- 72 - 79 Fine brown silty sand and gravel.

Owner Robert N. & Sonja A. Bassett Address Clinton, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 4/11/69 Date completed 6/18/69

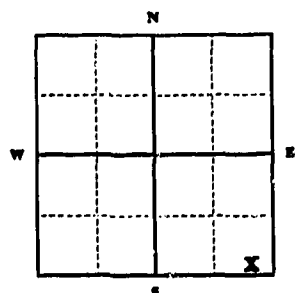
Type of well Drilled Equipment used Cable Tools  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8 5/8" OD x 1/2"	+1.6"	79'	Mills Knife	58	68

Water rises in the well 10'6" from surface.



Static Water Level for non-flowing well 1016 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 60 feet at 500 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Four hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through perforations in eight inch casing. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped i.e. they should be pumped at rates not in excess of 50 to 75 percent of the static capacity of well.

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). All of those portions of Lots 2, 3, 4 and 1/2 SW 1/4 NW 1/4, 1/2 E 1/4 SW 1/4 NW 1/4, NW 1/4 SW 1/4 and 1/2 SW 1/4 SW 1/4 lying south of the south right-of-way line of Gilbert Creek Road on both sides of that county road known as Rock Creek Road and all of that part (Continue rev. side)

Show exact depth of bottom.  
Bottom of well 79'

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

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

Driller's License Number 52  
William F. Dalme  
Driller's Signature

45,237

tion of the W $\frac{1}{2}$  E $\frac{1}{2}$  SE $\frac{1}{2}$  NW $\frac{1}{4}$  lying East of the County Road known as Rock  
Creek Road, all of said tracts lying and being in Section 30, T11N,  
R16W, P.M.M., in Granite County, Montana, and that portion of Section  
25, T11N, R17W, P.M.M., Missoula County, Montana, situated southerly  
from the south right - of - way line of Gilbert Creek Road and Easterly  
from Rock Creek, being a tract of land in the Southeast corner of said  
section.

188199  
281311

I received and filed this instrument in  
record on this 16<sup>th</sup> day of May 1909  
at 3:00 o'clock P.M. pursuant to file  
of Missoula County State of Montana  
Witness my hand:  
Virginia C. Crotts, County Recorder  
By *Rich. H. Smith*, Deputy  
Per *S. J. ...* Paid cash

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

T. 11N R. 17W

DUPLICATE

MONTANA WATER RESOURCES BOARD

County Missoula

LOG

NOV 12 1968

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

Approx. (Elev. above sea level) 3618

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

J. C. Heimes &/or

Owner Donna M. Heimes Address Great Falls, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

#### Formations Log:

- 0 - 4 Dirt.
  - 4 - 18 Gravel mixed in tan to brown silty clay.
  - 18 - 39 Red & gray rock in alternate layers.
  - 39 - 61 Dark gray rock.
  - 61 - 69 Brown rock.
  - 69 - 88 Dark gray rock.
  - 88 - 101 Brown rock.
- Water in cracks & seams.

Date of Notice of appropriation of groundwater None filed

Date well started 9/12/65 Date completed 9/28/65

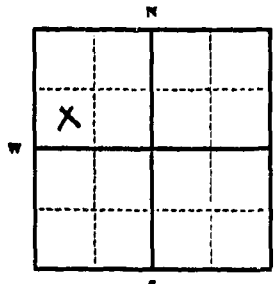
Type of well Drilled Equipment used Air Rotary  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	5 5/8" x 4"	+1	41.6"	N	O	N

Water rises in the well 29 feet from surface.



Static Water Level for non-flowing well 29 feet.

Shut-in Pressure for Flowing Well Non-f  
Pumping Water Level 30 feet  
at 221 gal. per minute.

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

How Tested Air Lift Pump  
Length of Test four hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well enters from cracks & seams in rock below 88 feet.

SW 1/4 NW 1/4 Sec. 27 T. 11N. 17W  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Domestic purposes, including watering pasture, lawns, flower and truck gardens

Show exact depth of bottom.  
Bottom of hole 101'

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

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

52  
Driller's License Number  
William S. Osborne  
Driller's Signature

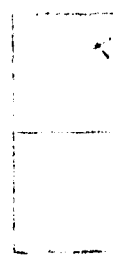
44,750

233

276068

I received and filed this instrument for  
 record on the 4 day of Nov 1968  
 at 2:10 o'clock P. M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand  
 Verance H. Crouse, County Recorder  
 By James DeBorja Deputy  
 Fee 1.00 Paid

FILED IN RECORDS AND IN



RECORDED  
 INDEXED  
 MISSOULA COUNTY, MONTANA





File No. ....

T. 11N R. 16W

DUPLICATE

County... Missoula

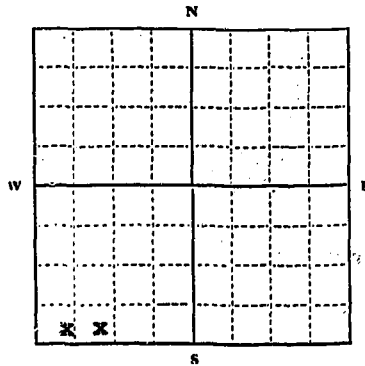
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECORDED  
JAN 3 1964  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Lee Elliott, of Clinton,  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SW 1/4 Sec. 6 T. 11 N. 16

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

- 2. The beneficial use on which the claim is based  
Well #1 Domestic - lawn and garden  
Well #2 - irrigation only
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
Well No. 1 - 1959  
Well No. 2 - 1963
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
Well No. 1 - 10 gallons minute  
Well No. 2 - 100 gallons minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
Well No. 1 - lawn and garden - 1/2 acre  
Well No. 2 - 1 acre
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Well No. 1 1/3 h.p. electric motor  
Well No. 2 3/4 h.p. electric motor

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
Well No. 1 - 1959  
Well No. 2 - 1963
- 8. The depth of water table 6 feet in Well 2 8 feet in Well No. 1
- 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 No. 1 - 4 inch casing 12 feet deep  
Well No. 2 is open - 10 feet deep
- 10. The estimated amount of groundwater withdrawn each year  
Well No. 1 - 100,000 gallons  
Well No. 2 - 250,000 gallons
- 11. The log of formations encountered in the drilling of each well if available  
gravel for both wells
- 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 Lee Elliott  
Date December 31, 1963

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

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

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

20341

*mm*

Copy instrument for  
 746 Dec 1965  
 permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 By *Martina Baker* County Recorder  
 Deputy  
 Fee \$ *2.25* Paid

MISSOULA COUNTY RECORDS DEPARTMENT  
 1001 NO. 7 - 1001003 OFFICE  
 MISSOULA, MONTANA 59801  
 PHONE 338-3333

MISSOULA COUNTY RECORDS DEPARTMENT  
 1001 NO. 7 - 1001003 OFFICE  
 MISSOULA, MONTANA 59801  
 PHONE 338-3333

D

File No. ....

T. 11 N. R. 16 W. PM

DUPLICATE

County Missoula Mont.

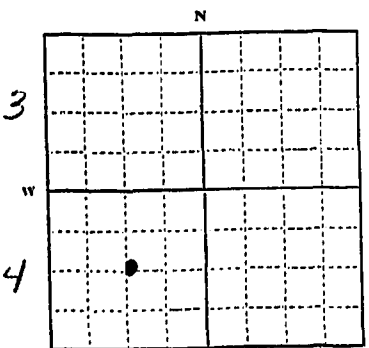
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater July 14, 1960  
Owner H. T. BROWN Address Box 22A  
Contractor (if any) NONE  
Address of Contractor NONE  
Date Started July 1960 Date Completed July 1960



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Piped in Spring To storage tank then piped to house and stock trough. WATER Depth 3 FT.

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

E 1/2 SW 1/4 Sec. 7 T. 11 N R. 16 W  
Indicate point of appropriation and place of use, if possible.

estimate approximate lengths of periods of use.....  
Flow developed 300 gal PER hr. (20 minutes to fill 100 gal tank)

Signature of Owner Harold T. Brown  
Date 12/26/63

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.

618

214973

*Copy*  
 I received and filed this instrument to  
 record on the 27 day of Nov 1963  
 at 9:45 o'clock A. M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 MARTIN S. BEHNER, County Recorder  
 By Martin S. Behner, Deputy  
 Fee \$ 2.00 Paid

MISSOULA COUNTY

1963

WILLIAM

MISSOULA COUNTY  
 DEPARTMENT OF  
 PUBLIC WORKS  
 1000 N. 1ST ST.  
 MISSOULA, MONTANA


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

T11N R16W 1P M

DUPLICATE

County Missoula Mont.

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

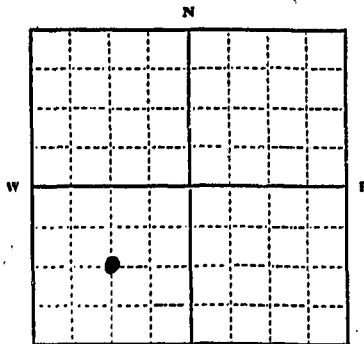
RECEIVED  
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. HAROLD T BROWN, of Box 22A Clinton  
(Name of Appropriator) (Address) (Town)  
County of MISSOULA State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



ESW 1/4 Sec. 7 T11N R. 16W  
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 RESIDENTIAL  
+ IRRIGATION
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been AUG 30 1960  
CONTINUOUS
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 GAL PER MINUTE
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and names of the owner thereof  
LOT 4 - SECT - T11 R16W  
SPTINKLERS 10 ACRES
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMP  
LOT 4

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater # 1 AUG 15 STARTED TO DRILL  
COMPLETED AUG 30 1960
- 8. The depth of water table 8 FT STATIC WATER LEVEL 14'
- 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" STEEL CASING 36 FT
- 10. The estimated amount of groundwater withdrawn each year 2 880 000 GAL
- 11. The log of formations encountered in the drilling of each well if available 0-1 TOP SOIL  
1-12 GRAVELS AND COBBLE STONES IN CLAY  
12-16 GRAVEL AND ROCK  
16-22 FINE SAND AND CLAY  
22-36 SAND AND GRAVEL
- 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 Harold T Brown  
Date 12/26/63

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.

619

214974

I received and filed this instrument for  
 record on the 27 day of Dec 1963  
 at 10:00 o'clock A.M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 MARTIN S. BEHNER, County Recorder  
 By Walt J. Collier, Deputy  
 Fee \$ 2.00 Paid

*[Faint, mostly illegible text and markings, possibly bleed-through or stamps, including a date stamp 'DEC 27 1963' and a signature 'Walt J. Collier']*

RECEIVED

County Missoula

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 RAY CEBULKI

Address Seeley Lake, mt

Date well started JAN. 1, 1973

completed JAN. 3, 1973

For Administrator's Use
File <u>2451, 330557</u>
<u>April 13, 1973</u>
GW 1 <u>10:15 AM</u>

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

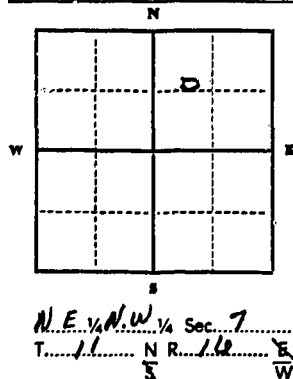
Equipment used CHURN  
(Churn drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6" I.D.	6-8/8" OD 17 lbs. 1/4" side-wall	ground level	47 ft.	none	none	none



Static water level 10 ft.\*  
Pumping water level 20 ft.\*  
at 80 gallons per minute,  
measured 80 minutes after pumping began.  
\*Measured from ground level.  
Well developed by test pump  
for 2 hours.  
Power 220 Pump 3/4 HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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 (Foot)	To (Foot)	
0L	9'	Well Pit
9'	10'	Sand and gravel
10'	22'	Surface water, sand and scattered gravel
22'	27'	tan clay, sand and gravel
27'	35'	water, sand and silt
35'	39'	tan clay, sand and gravel
39'	44'	water, sand and silt
44'	48'	water, sand and gravel

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

Driller's Signature Herold P. Williams

Driller's Address 1558 So. 5th. W. MISSOULA, MONTANA

151  
LICENSE NO.

47 ft. Show exact depth of bottom

Case 330557

I received and filed this instrument for  
record on the 13 day of Apr 1973  
at 10:15 o'clock A.M., permanent files  
of Missoula County, State of Montana  
Witness my hand:  
Dorothy L. Head, County Recorder  
By [Signature] Deputy  
Fee \$ 2.00 Paid



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

T 11W R 16W

DUPLICATE

County Missoula

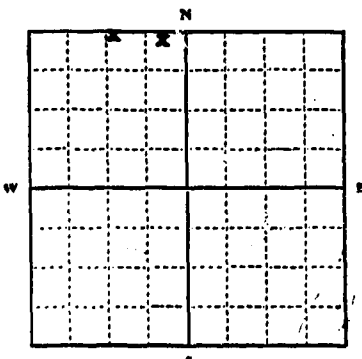
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Lee Elliott of Clinton  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NW 1/4 Sec 7 T. 11 N. R. 16 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.....

Well No. 1 - domestic and lawn  
Well No. 2 - domestic and lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Well No. 1 - 1925  
Well No. 2 - 1935

4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... Well No. 1 - 10 gallons per minute  
Well No. 2 - 10 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  
Both wells for lawn irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
1/3 h.p. electric motor and pump each well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Well No. 1 - 1925  
Well No. 2 - 1935

8. The depth of water table. 12 feet in each well

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 No. 1 - open well - 6 by 6,  
12-foot deep. Well No. 2 - 6 inch casing - 20 feet  
deep

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

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

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 Lee Elliott

Date December 31, 1963

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

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

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

20414

1295

Copy  
 845 219 Dec 1867  
 (1) This is the only State of Michigan  
 Witness my hand:  
 By White County Register  
 Fee \$ 2.00 Paid

RECEIVED  
 DEPARTMENT OF STATE  
 JAN 10 1868

GW 2

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

DUPLICATE

RECEIVED  
OCT 18 1962

T 11N R 16W

County Missoula

STATE ENGINEER 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 U.S. Forest Service  
Bozita Ranger Station Address Glendon, Mont

Driller Glen Camp 705 Alder Address Missoula, Mont

Date of Notice of Appropriation of Groundwater 7/24/62

Date well started 7/23/62 Date Completed 7/23/62

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

Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock   
U.S.F.S. Campground

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.....)

0 to 1' top soil  
1' to 14' Sand, clay and gravel  
14' to 22' Sand, gravel some water  
22' to 29' Sand, gravel and water.

NE 1/4 NE Sec. 7 T 11N R. 16W  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6" I.D.	6" I.D. 191 lb Seamless	2' above G.L.	to 31'-4"	None		

Static Water Level for non-flowing Well..... 8 feet.

Shut-in Pressure for Flowing Well..... Not flowing

Pumping Water Level..... 12 feet at..... 200 gal. per minute.

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

How Tested..... Pump Length of Test..... 3 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)..... None

License # 7

Driller's License Number

Glen Camp  
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.

#156

198544

I received and filed this instrument for  
record on the 16 day of Oct 1967  
at 2:05 o'clock P.M., permanent files  
of Missouri County, State of Missouri  
Witness my hand.  
MARTIN S. BEHNER, County Recorder  
By *Charity Head* Deputy  
Fee \$ *70.00* Paid

COPY

T. 11N R. 16W

County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 20 1961

WATER WELL LOG

STATE ENGINEER

		X
7		

Owner U.S. Forest Service Address Clinton, Montana

Driller Unknown Address

Date Started Date Completed 1937

Location: Sec. 7 T. 11N R. 16W 1/4 sec. NENE

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other:

Casing: top ft. to 38' ft. Type Steel Size 8"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. Unknown 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 20 feet at 50 gal. per min.

How tested: Timed filling of 1500 gallon system

Length of test 28 Minutes

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

Unknown

(over)

#63

177858

I received and filed this instrument for record on the 18 <sup>th</sup> day of Jan 1961 at St. Louis, Mo. in the County of St. Louis of Missouri Court of the State of Missouri Witness my hand MARTIN S. BARNER County Recorder By <i>Barthelme</i> Deputy Fee \$ 70 fees Paid
--







STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOV 30 1970

**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 MONTANA STATE HWY. DEPT.  
Address Clinton - East & West  
Project # 190-2(32)12CU1  
Date well started July 22, 1970  
completed July 23, 1970

For Administrator's Use	
File	<u>297143</u>
	<u>November 24, 1970</u>
	<u>1:35 P.M.</u>
GW 1	

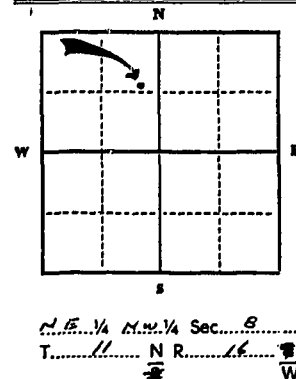
Type of well Drilled  
(Dug, driven, bored or drilled)  
Equipment used Churn Drill  
(Churn drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6" I.D.</u>	<u>6" I.D. 18 lb per ft.</u>	<u>5' above g.l.</u>	<u>51%</u>	<u>none</u>		



Static water level 13 ft.\*  
Pumping water level 18 ft.\*  
at 87 gallons per minute,  
measured 8 seconds after pumping  
began.  
\*Measured from ground level.  
Well developed by Eump  
for 8 hours.  
Power Elec Pump 5 HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff)  
to be filled within  
1 1/2' at top of casing.

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

Driller's Signature Philip A. Burke  
Driller's Address CAMP WELL DRILLING & PUMP SUPPLY  
1522 S. 14th W., Missoula, Montana

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		3558.7
(Elev. above sea level)		3558.7
From (Feet)	To (Feet)	
0	3	Black Dirt and Gravel
3	14	Sand and Gravel
14	28	Silty sand and gravel
28	51%	Sand and Gravel & Water

51% Show exact depth of bottom

417814

LICENSE NO. 7

2065

297143

I received and filed this instrument for  
 record on the 24<sup>th</sup> day of May 1900  
 at 1.55 o'clock P. M. per my files  
 of Missoula County, State of Montana  
 Witness my hand  
 Varney R. Crouse, County Recorder  
 By *[Signature]* Deputy  
 Fee \$ .  
 Paid *[Signature]*

MISSOULA COUNTY

RECORD	INDEX	FILE	DATE	TIME

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

T. 11<sup>N</sup> R. 16<sup>W</sup>

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Myrtle S. Cook of Clinton  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

N


E

MISS. Sec. 9 T. 11 R. 16

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, irrigation, and stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. continuous since 1950-1951
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 360 gallons per hour, each well
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. Wells 3 and 4, Tract in NE 1/4 of Section 9, Township 11 North, Range 16 West, N.P.M.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. By electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Wells 3 and 4, 1950-1951
8. The depth of water table. depth of each well 40'; 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. Wells 3 and 4, 6" casing; 1" to 1 1/2" pipe to withdraw, 1 horsepower electric motor
10. The estimated amount of groundwater withdrawn each year. Wells 3 and 4, 250,000 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. Myrtle S. Cook

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.

647

2/5026

I received and filed this instrument by  
 record on the 27 day of the 1863  
 at 25 o'clock P. M., permanent files  
 of Lincoln County, State of Montana  
 Witness my hand  
 M. S. REID  
 By M. S. Reid Deputy  
 Recorder

RECORDED IN BOOK NO. 10 PAGE 10  
 FILED IN BOOK NO. 10 PAGE 10

APR 11 1863

9

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

T. 11 N R. 16 W

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**RECEIVED**  
JAN 13 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Watson L. and Arlie Hancock, of Clinton  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

N	
W	E
X	
S	

2. The beneficial use on which the claim is based is household, lawn and shrub use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well was drilled in 1948 and has been in continuous use ever since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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 Approximately 1/4 acre surrounding home, owners, Watson L. and Arlie Hancock
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal water withdrawn by 3/4 H. Electric motor, well just below house.

1/4 Sec. 2 T. 11 R. 16  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started and completed in 1948.
8. The depth of water table 20 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 8-inch casing, 40 feet deep
10. The estimated amount of groundwater withdrawn each year 500,000 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 Unknown

Signature of Owner \_\_\_\_\_  
Date January 8, 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.

31424

53

216086

I received and title this instrument for  
 record on the 8 day of January 1911  
 at 11:30 o'clock A. M. per cent file  
 of Missoula County, State of Montana  
 Witness my hand:  
 MARTIN S. SMITH, County Recorder  
 By *Walter A. Taylor* Deputy  
 Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDS  
 DEPARTMENT OF RECORDS  
 MISSOULA, MONTANA

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

RECEIVED  
FEB 11 1971

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.

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner John J. and  
Lola Mae Rexer  
Address Clinton, Montana

For Administrator's Use	
File	<u>299244</u>
	<u>1119 P.M.</u>
	<u>February 5, 1971</u>
GW 1	

Date well started 10/28/70  
completed 10/30/70

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

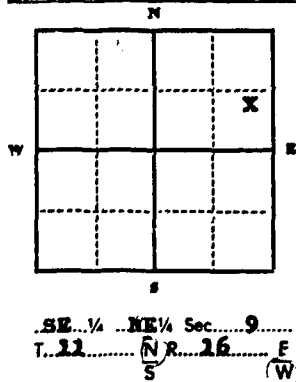
Equipment used Cable tools  
(Cable drill, rotary or other)

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

\*Describe \_\_\_\_\_  
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). Approximately 20 acres

ESTIMATED ANNUAL WITHDRAWAL 300,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" x 1/4"	+2'	65'	N	O	N



Static water level ..... 5'7" ft.\*  
Pumping water level ..... 7 ft.\*  
at ..... 60 gallons per minute,  
measured 5 1/2 hours after pumping  
began.  
\*Measured from ground level.  
Well developed by Air Lift  
for ..... 5 1/2 hours. Pump  
Power Gas Pump ..... 30 HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff) All  
water entering well  
through open bottom of  
six inch casing. Wells  
in this area can be

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

Driller's Signature William C. Cabre  
Driller's Address 2500 Reserve Street

Missoula, Montana LICENSE NO. 52

Top of Ground		Approx. (Elev. above sea level)
From (Feet)	To (Feet)	
0	1	Black topsoil.
1	8	Fine sand and gravel.
8	15	Sand and gravel with cobblestones mixed in.
15	60	Sand, gravel and cobblestones mixed in clay.
60	61	Clay with sand and gravel mixed in.
61	65	Clean coarse sand and gravel. Water.

65 ft. Show exact depth of bottom  
water rises in well 5'7" from  
surface,

48128

depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

2087 299244

I received and filed this instrument as  
recorded on the 5<sup>th</sup> day of Feb. 19 71  
at 1:18 o'clock P.M. pursuant to the  
of Missouri County, State of Missouri  
Witness my hand.  
Venetia R. Clouse, County Recorder  
By *[Signature]* Deputy  
Fee \$2.00



File No. ....

T. 11 N R. 16 W 10

DUPLICATE

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

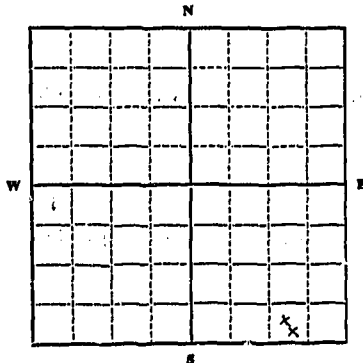
RECEIVED  
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Myrtle S. Cook, of Clinton  
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 10 T11 R. 16

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, irrigation, and stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1926, 1927, continuous since that date.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 360 gallons per hour, each well.

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. Wells 1 and 2, tract in E3SE, Section 10, Township 11 North, Range 16 West. Owner--Myrtle S. Cook

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Wells 1 and 2, 1926--27, drilled wells with 6" casing.

8. The depth of water table. depth of each well 70', depth of water table 30'

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. Wells 1 and 2, 6" casing, 1" to 1 1/2" pipe to withdraw; 1 1/2 horse power electric motor

10. The estimated amount of groundwater withdrawn each year. wells 1 and 2, 300,000 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. Myrtle S. Cook

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.

648 215027

I received and filed this instrument for record on the 10th day of Dec 1967 at 10 o'clock A.M. permanent files of Missouri County, State of Missouri  
With my hand:  
Robert S. Bennett County Recorder  
By Walter L. Kern Deputy  
Fee \$..... Paid

RECORDING FEE  
This fee is for the recording of the instrument in the public records of the county. It is not a tax and is not subject to refund. It is payable to the recorder of the county in which the instrument is recorded. The fee is based on the number of pages of the instrument and the type of instrument. The fee schedule is as follows:  
1. Original instrument, 1 page or less: \$1.00  
2. Original instrument, 2 to 5 pages: \$2.00  
3. Original instrument, 6 to 10 pages: \$3.00  
4. Original instrument, 11 to 20 pages: \$4.00  
5. Original instrument, 21 to 50 pages: \$5.00  
6. Original instrument, 51 to 100 pages: \$6.00  
7. Original instrument, 101 to 200 pages: \$7.00  
8. Original instrument, 201 to 500 pages: \$8.00  
9. Original instrument, 501 to 1000 pages: \$9.00  
10. Original instrument, 1001 to 2000 pages: \$10.00  
11. Original instrument, 2001 to 5000 pages: \$11.00  
12. Original instrument, 5001 to 10000 pages: \$12.00  
13. Original instrument, 10000 to 20000 pages: \$13.00  
14. Original instrument, 20000 to 50000 pages: \$14.00  
15. Original instrument, 50000 to 100000 pages: \$15.00  
16. Original instrument, 100000 to 200000 pages: \$16.00  
17. Original instrument, 200000 to 500000 pages: \$17.00  
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97. Original instrument, 100000000000000000000000000000000 to 200000000000000000000000000000000 pages: \$97.00  
98. Original instrument, 200000000000000000000000000000000 to 500000000000000000000000000000000 pages: \$98.00  
99. Original instrument, 500000000000000000000000000000000 to 1000000000000000000000000000000000 pages: \$99.00  
100. Original instrument, 1000000000000000000000000000000000 to 2000000000000000000000000000000000 pages: \$100.00

Subscriptions to this journal are \$5.00 per year in advance. Single copies are \$1.00. Payment should be made to the publisher, 1000 North Main Street, St. Louis, Missouri 63102.

10

File No. ....

T. 11 N. R. 16 W

DUPLICATE

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, Donald P. Farland, of Clinton  
(Name of Appropriator) (Address) (Town)

County of Missoula, State of Mont, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is irrigation - to irrigate  
parts of lot 2 + 3 of section 10, Twp 11, R. 16 - some on  
(describe lands to be benefited, if for irrigation) 2 + 3 - section 10

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

4. The annual period (inclusive dates) of intended use.....June 1st to Oct 1st

5. The probable or intended date of first beneficial use.....June 1st to 6.4

6. The probable or intended date of commencement and completion of the well\* or wells\*.....  
March 1st - 1964

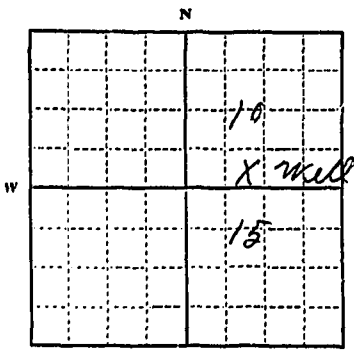
7. The location, type, size and depth of well or wells contemplated.....Aug well  
approx 5' dia - 14' deep

8. The probable or estimated depth of the water table or artesian aquifer.....4'

9. Name, address and license number of the driller engaged.....Don't know

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

Plan on using cement  
ring for side of well



S.E. 1/4 Sec. 10, T. 11, R. 16  
Locate well or other means of  
development as accurately as  
possible on the plat.

Signature of Appropriator Donald P. Farland

Date Dec 30 63

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

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

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

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

20029

829 215237

I received & filed this instrument for record on the 9th day of June 1903 at 11:15 o'clock A.M. permanent files of Missoula County, State of Montana  
Witness my hand,  
M. S. BEHRE County Recorder  
By M. S. Behre Deputy  
Fee \$ 7.00 Paid

RECEIVED

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JUL 10 1972 F D County...Missoula

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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.

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

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

Top of Ground Approx. (Elev. above sea level) 3636'

Owner: Montana Fish and Game
Address: Helena, Montana
Date well started: 5/2/72
completed: 5/15/72
GW 1

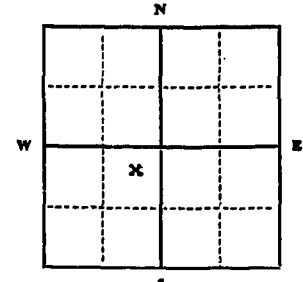
Table with 2 columns: From (Feet), To (Feet). Rows describe soil layers: 0-1 Topsoil, 1-3 Black dirt, sand and gravel, 3-6 Tan sandy soil, 6-17 Sand and gravel, 17-27 Fine dirty sand and gravel, 27-29 Sand and gravel mixed in clay, 29-33 Fine sand, some gravel, 33-42 Fine dirty sand, some coarse sand and gravel mixed in, 42-48 Sand and gravel mixed in clay, 48-50 Coarse sand and gravel Water.

Type of well: Drilled
Equipment used: Cable Tools
Water Use: Domestic, Municipal, Stock, Irrigation, Industrial, Drainage, Other, Garden/Lawn

\*Describe: Beavertail Hill Recreation Area
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 15,768,000 gallons

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)). Data: 6 inch hole, 6 5/8 inch OD casing, .280 weight, +4 to 50 feet depth, NO PERFORATIONS.



Static water level 5 ft.
Pumping water level 33 ft.
at 30 gallons per minute, measured 240 minutes after pumping began.

\*Measured from ground level.
Well developed by Air Lift Pump for Four hours.
Power Gas Pump 30 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff Casing is gravel packed from 35 to 50 feet with clean coarse gravel. All water entering well through vent'd on back

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

LIBERTY DRILLING AND PUMP COMPANY
Driller's Signature: [Signature]
Driller's Address: 2500 Reserve Street

Missoula, Montana LICENSE NO. 52
Montana Public Contractor's License No. 1592A

50 feet Show exact depth of bottom Water rises in well 5 feet from surface 50.858

REPORT NO. 1000

DATE OF REPORT

BY

TITLE

these gravels. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of the tested capacity of the aquifer.

319036

I received and filed this statement for report on the 6th day of April, 1972, at Jackson, Miss. My name is \_\_\_\_\_ of Mississippi County, State of Missouri.  
Witness my hand.  
Vernon R. Crum, County Recorder  
By \_\_\_\_\_ Paid

Montana Fish & Game Dept. Missoula  
**MONTANA**

**DEPARTMENT OF**

**FISH AND GAME**

Helena, Montana  
September 28, 1972

1  
0  
Fish Game Dept.  
Should file in the  
proper County

and Conservation

Water Resources  
Engineering Bureau  
Groundwater Section  
Mitchell Building  
Helena, Montana 59601

Gentlemen:

This will be with reference to the well drilled at  
Beavertail Hill State Recreation Area. Your reference  
as follows:

Owner: Montana Fish and Game Department  
Address: Helena, Montana 59601  
Location: T-11-N R-15-W Section 11  
Doc. No.: 2302-319036

As per your instructions we have checked the location  
of the well. The location description should be changed to  
T-11-N R-16-W which will locate it properly in Missoula  
County.

Sincerely,

*Ashley C. Roberts*

Ashley C. Roberts  
Assistant Administrator  
Recreation and Parks Division

ACR:sd

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SEP 29 1972

MONTANA DEPARTMENT OF NATURAL  
RESOURCES AND CONSERVATION

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

Owner Montana Fish & Game  
Address Helena, Montana 59601  
Location T. 11N. R. 15W. Sec. 11  
Doc. No. #2302 - 3190.36

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

Special Instructions:

Please check the well location!  
T. 11N. R. 15W. is located in <sup>as indicated</sup> Granite County  
and not Missoula County. If the well is  
located in Granite County the appropriation  
should be filed in that county.

Thank you. Sent 7/20/72

50,858







County Missoula Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
	Anderson, Eloyd	GW 2		no #
	Anderson, Stephen	GW 2	167133	
	Babbu, Clyde	GW 4	1275	
	Braun, Richard	GW 4	214771	
	Braun, Richard	GW 4	214772	
	Braun, Richard	GW 4	214773	
	Buggan, Robert	GW 2	215210	
	Bobbacia, Sam & Hazel	GW 2	311092	
	Burackhill, Frank		183011	
	Cadieux, Henry	GW 2	213895	
	Cornick, C. M.	GW 2	215968	
	Crisman, Henry & Lora	GW 4	1194	
	Crowe, William	GW 4	215234	
	Drakberg, Maud	GW 4	215208	
	Dosch, Donald	GW 4	215124	
	Eckel, Tom	GW 2	214598	
	<del>Fedonick, Jim</del>	<del>GW 2</del>	<del>39024</del>	Madison Co.
	Eybe, Richard & Betty	GW 4	38229	
	Fantier, Leo	GW 2	215562	
	Hall, H.S. & M.C.	GW 4	215335	
	Harris, Clark	GW 4	214852	
	Herkert, Joe	GW 4	1282	
	Hedeker, John	GW 4	215238	
	Hellgate School Dist.	GW 4	215117	
	Hemis, Ken	GW 2	313848	
	Hering, J.F.		770681	
	Hitekoach, Gerald & Beale	GW 4	215379	
	Hummel, John & Lillian		164505	
	<del>James, Anton</del>	<del>GW 2</del>	<del>283444</del>	13N 18W Sec 27
	Jabish, Peter	GW 4	214972	
	Johnson, Howard & Len	GW 4	1250	
	Kalkstad, Herman	GW 4	215469	
	<del>Kang, Ronald</del>	<del>GW 4</del>	<del>215721</del>	20N 16W sec 6
	<del>Kang, Ronald</del>	<del>GW 3</del>	<del>1204</del>	" " "
	<del>Kang, Ronald</del>	<del>GW 3</del>	<del>215722</del>	" " "
	<del>Kirkpatrick, Jimmie</del>	<del>GW 2</del>	<del>279249</del>	13N 20W Sec 26
	Kuney, Lawrence	GW 4	215931	
	Lake, Wm	GW 4	214938	
	Lacey, Margaret	GW 4	215895	
	League, Gordon	GW 4	215416	
	Lee, Charles	GW 2	1300	
	Mearns, Gordon	GW 2	242685	
	Mercian, Lee & Ray		179379	
	McCur, Allen	GW 2	215135	
	<del>Murphy, Carl &amp; Emily</del>			Barvelli co.
	McKinstry, W.S.	GW 2	214133	

County MISSOULA Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
	Miles, Ethel	GW2	214339	
	Murphy, Chester	GW4	1119	
	Nutson, Raymond	GW4	214995	
	Nelson, John	GW4	214839	
	Orchard Homes	GW3	215397	
	Oslo, John & Son	GW4	1162	
	Piquette, John	GW2	284194	
	Witts, C. D.	GW4	215757	
	Shannon, Dennis	GW4	214994	
	Rich, Dan	GW4	215461	
	Reimel, Wm & Agnes	GW4	1333	
	Reisman, Alvin & Helen	GW4	1334	
	Shawcross, George	GW2	268531	
	Spurlack, Ralph	GW2	213990	
	Stable, George	GW4	215131	
	Swartz, Beate Ellen	GW4	215522	
	Straight, Alvin	GW4	217886	
	Starks, Madeline & Roy	GW4	215097	
	Summerville, John	GW4	215134	
	Wood, Frank	GW2	333333	MIN RAIN SEC. 36
	W. Robinson, Clyde Marion	GW2	334140	
	W. Titken, Bud		153182	
	Widlock, Frank	GW4		
	Zander, J. R.	GW2	195455	
	Zemke, Bruce	GW2	313012	
	Zentgraf, James	GW2	214221	