

File No.

T. 13 R. 18 ¹⁷

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 9 1963

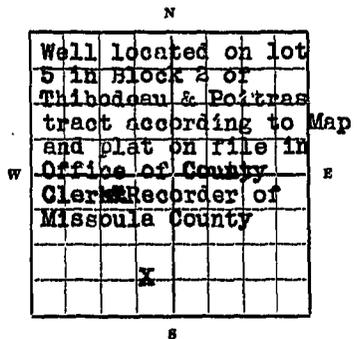
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Joe T. Downerich & Gladys A. Downerich Box 475 Bonner
(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:



SE $\frac{1}{4}$
SW $\frac{1}{4}$ Sec. 17 T13 R 18

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 Home and Yard

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 - in continuous use ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 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 used to irrigate yard - four lots 40 by 100 feet each.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Deep well pump located in basement of home

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950. Well was drilled and completed with four inch steel casing.

8. The depth of water table 53.

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 with four inch steel casing to depth of 79 feet.

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 The estimated amount of groundwater withdrawn each year 300,000 gallons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

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 Joseph T. Downerich
Gladys A. Downerich

Date 5 December 1963

5 December 1963

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

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

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

2147

263

213872

Copy

I received and filed this instrument for
 record on the 1 day of Nov, 1967
 at 9:10 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, MONTANA
 DEPARTMENT OF CLERK AND RECORDER
 MISSOULA, MONTANA
 RECEIVED FOR RECORDING
 NOV 1 1967
 MISSOULA COUNTY, MONTANA
 DEPARTMENT OF CLERK AND RECORDER
 MISSOULA, MONTANA
 RECEIVED FOR RECORDING
 NOV 1 1967

MISSOULA COUNTY, MONTANA
 DEPARTMENT OF CLERK AND RECORDER
 MISSOULA, MONTANA
 RECEIVED FOR RECORDING
 NOV 1 1967

File No.

NTA

T. 13 R. 18

DUPLICATE

County Missoula

LOG

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

- 0-1 Top soil, black
- 1-37 Tan Clay and gravel
- 37-45 Boulders & tan clay
- 45-58 Tan clay & gravel
- 58-59 Silty water & gravel
- 59-68 Tan Clay & gravel
- 68-96 Water & gravel

Owner Al Fontains Address Rt. 4, Pinegrove, Mont

Driller Glenn Camp Address 1522 S. 14th W. Missoula, Montana

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

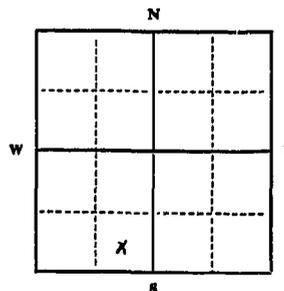
Date well started March 4, 1968 Date completed March 8, 1968

Type of well Drilled 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" I.D.	6" I.D. 17 lb per ft	15"	above 96' 11"		none	



Static Water Level for non-flowing well 65 feet.

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

Pumping Water Level 65 feet at 25 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer

Length of Test 3 hours

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

SE 1/4 SW 1/4 Sec. 17 T. 13 R. 18
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).

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.

License # 7
Driller's License Number

Glenn Camp
Driller's Signature Glenn Camp

44,062

270 265

I received and filed this Instrument for record on the 16 day of April, 1960 at 10:30 o'clock A.M. permanent files of Missoula County, State of Montana
Witness my hand:
Verance R. Crouse, County Recorder
By [Signature] Deputy
Fee \$ 2.00 Paid Cash

1960-1961
1962-1963
1964-1965
1966-1967
1968-1969
1970-1971
1972-1973
1974-1975
1976-1977
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1980-1981
1982-1983
1984-1985
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1994-1995
1996-1997
1998-1999
2000-2001
2002-2003
2004-2005
2006-2007
2008-2009
2010-2011
2012-2013
2014-2015
2016-2017
2018-2019
2020-2021
2022-2023
2024-2025

File No.....

T. 13 R. 18W

TRIPPLICATE

County Missoula

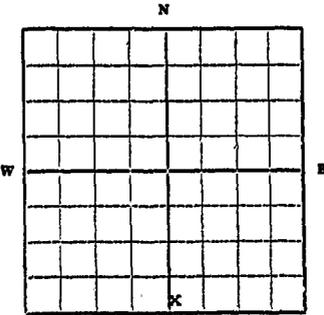
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 3 1963

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

STATE ENGINEER

1. Armand Fontaine of Route 4 Missoula
(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 acre

SE 1/4 Sec. 17, T. 13 R. 18W

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

2. The beneficial use on which the claim is based
domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
April 8, 1960 - daily
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
lawn around premises. One acre owned on which dwelling is situated
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric pump - 5 miles East of Missoula on Highway 10
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
April 5, 1960
8. The depth of water table
70 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" I.D. 19 lbs. to foot - seamless - 95 feet in depth
10. The estimated amount of groundwater withdrawn each year
100 gal. per day 3650 annually
11. The log of formations encountered in the drilling of each well if available
0 to 19' clay, gravel and boulders - 19' to 26' sand and gravel - 26' to 51' clay and gravel - 51' to 56' sand and gravel - 56' to 70' clay and gravel - 70' to 82' sand and some gravel - some water 82' to 95' gravel and good water.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
Deed to above property recorded in Book 130 of Deeds, Deed Records; at page 461 thereof; records of Missoula County, Montana.

Signature of Owner Armand G. Fontaine

Date July 1, 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.

213586

347

copy

I received and filed this instrument for
record on the 29 day of Nov 1912
at 12 o'clock P. M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By *Ernest J. Lane* Deputy
Fee \$2.50 Paid

File No. _____

T. 13¹ R. 18¹ 17

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

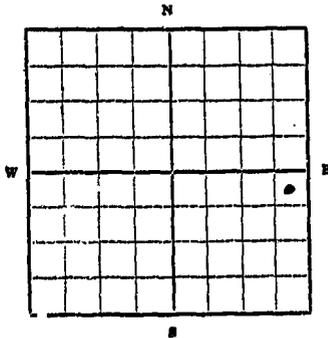
RECEIVED
DEC 30 1963

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

STATE ENGINEER

I, C. H. Fredrickson, Jr., of Rt. 4, W. Riverside, Missoula
(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 SE Sec. 17, T. 13, R. 18.

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

- The beneficial use on which the claim is based domestic
- Date or approximate date of earliest beneficial use; and how continuous the use has been September, 1959, constant use
- The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallon per minute
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof inapplicable
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal well
Sec. 17, T. 13, R. 18

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 25, 1959 started, September 3 completed

8. The depth of water table 66 feet from ground level

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, 5" pipe, depth 81 feet

- The estimated amount of groundwater withdrawn each year 7,884,000 gallons
- 0 to 8' pit, 8' to 13' loose gravel and boulders, 13' to 23' boulders and clay, 23' to 29' loose boulder sand and sand, 29' to 58' gravel and clay, 58' to 61' clean gravel with a seep of water.
- The log of formations encountered in the drilling of each well if available
59' to 61' boulders and clay, 61' to 64' fine sand, 64' to 66' boulders, 66' to 69' gravel and clay, 69' to 85' silty clay and sand, 85' to 87' silty sand, 87' to 90' light gravel, 90' to 95' running sand and water, 95' to 98' gravel and water.

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

Signature of Owner _____

Date _____

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

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

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

15181

577

214883

I received and filed this instrument for
 record on the 17 day of Dec 190
 at 11:15 o'clock A.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By [Signature] Deputy
 Fee \$ 2.00 Paid

NOV 28 10 10 AM

RECORDED

MISSOULA COUNTY

File No.

T. 1 S. R. 18

DUPLICATE

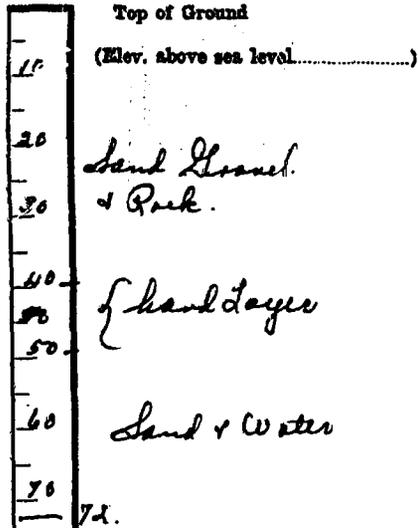
County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session 1962)

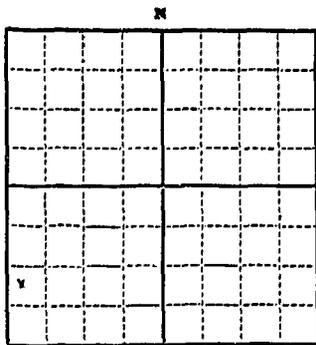
RECEIVED
AUG 30 1962
STATE ENGINEER



Owner Philip Inail Address 970 - Reserve
 Driller Edward R. O'Keefe Address Blue Lodge Mont.
 Date of Notice of Appropriation of Groundwater Aug 14 - 1962
 Date well started 8-7-62 Date Completed 8-14-62
 Type of well drilled Equipment Used Churn
 (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"	24 #	0	72	none.		



.....1/4..... Sec. 17, T. 1 S. R. 18
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..... 46.....feet.
 Shut-in Pressure for Flowing Well..... does not apply.....
 Pumping Water Level..... 4.7.....feet at 4.0.....gal. per minute.
 Discharge in gal. per min. of flowing well..... does not apply.....
 How Tested..... Packer..... Length of Test..... 2 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).....

does not apply

No. 8
 Driller's License Number
Edward R. O'Keefe
 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.

76716

I created and filed this instrument for
record on the 29 day of Aug, 1962
at 7:30 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARVIN S. BEHNER, County Recorder
By Clifford K. Karna Deputy
Fee \$ 2.00 Paid

File No. _____

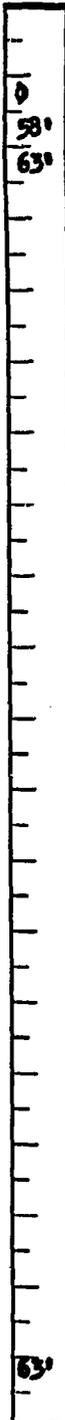
RECEIVED
MAR 30 1965

T. 13^N R. 18^W 17

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



Top of Ground **STATE ENGINEER**
(Elev. above sea level _____)

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

(Under Chapter 237, Montana Session Laws, 1961)

58' Clay Boulders

63' Boulders pea Gravel Water

Owner Philip SWEET Greil Address Route 4 Missoula

Driller John Farrell Address Axles Mont

Date of Notice of Appropriation of Groundwater _____

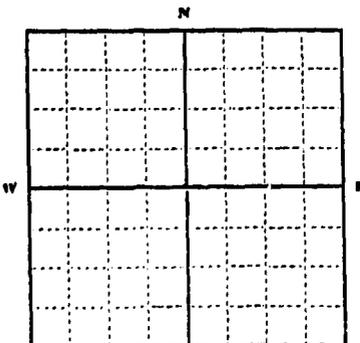
Date well started Feb 28, 1965 Date Completed March 9, 1965

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
5"	5" (14.10#)	0	63'			



1/4 Sec. 17 T. 13 R. 18
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

5/8 - SW 1/4 - Plat G
Show exact depth of bottom.

Static Water Level for non-flowing Well 70' feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 20 feet at 24 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Pump Length of Test 1 Hour

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) _____

74
Driller's License Number

John Farrell
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.

39036

F1486

234657

I received and filed this instrument for
record on the 24th day of March 1965
at 2:20 o'clock P.M., perforce, files
of Missoula County, State of Montana
Witness my hand:
Wm. H. Cross, County Recorder
By Paul Blahnik Deputy
Fees 2.00 Paid

File No.

T 13^N R 18^W

DUPLICATE

County MUSKOGEE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE 1962
OFFICE OF STATE ENGINEER Spl. 4

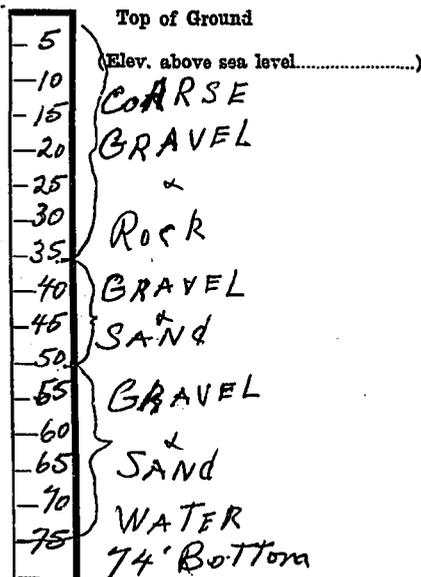
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

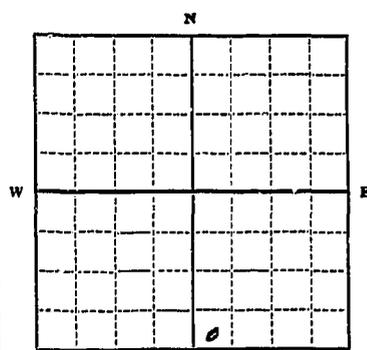
Owner Olaf E. Hallgren Address Milltown
 Driller O'KEEFE DRILLING Co. Address DEER LODGE MONT
 Date of Notice of Appropriation of Groundwater July 20, 1962
 Date well started July 17, 1962 Date Completed July 19-62
 Type of well DRILLED Equipment Used CHURN
 (dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic Municipal Other Irrigation
 Industrial Drainage Stock

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7" 24#		74'	NONE		



$\frac{1}{4}$ Sec. 12 T. 13 R. 18
 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 50 feet.
 Shut-in Pressure for Flowing Well.....
 Pumping Water Level 49 feet at 10 gal. per minute.
 Discharge in gal. per min. of flowing well NONE
 How Tested SUBMERSIBLE Length of Test 7 b.r.s.

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).....

No. 8
 Driller's License Number
Emmett O'Keefe
 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.

#144

196845

I received and filed this instrument for
 record on the 30 day of Aug 1962
 at 12:00 o'clock A.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By Ulaitha Kasina Deputy
 Fee \$ 2.00 Paid

RECORDED
 INDEXED
 MISSOULA COUNTY, MONTANA
 AUG 30 1962
 MISSOULA, MONTANA

ADDENDUM

Form: Declaration of Vested Groundwater Rights
 Notice of Completion of Groundwater
Appropriation by Means of Well

Name of
owner: Ray Hebert

Corrected
land description: ? ? ?
Sec. 17 T 13N R 18W
 or 20

Initials: CS

(Block 2 is not identified.)

File No. _____

T. 13th R. 18th S. 27

DUPLICATE

County MISS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
DEC 26 1963

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level.....)
0
75' heavy gravel
75' sand water
85'
85' water gravel
95'

Owner Ray J. Bert Address Route 24 Piney

Driller John Farrell Address Aslee

Date of Notice of Appropriation of Groundwater 4/10/62

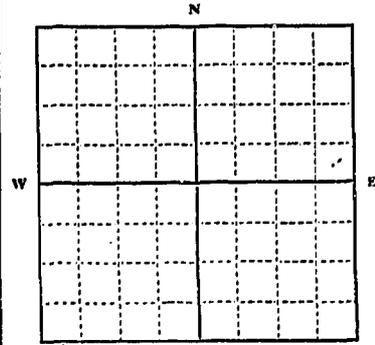
Date well started 4/14/62 Date Completed 4/17/62

Type of well driven Equipment Used Churn
(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"	6"	6'	95'			



E 1/2 Lot 8 Block 2^s
T 13ⁿ R 18^w

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 60 feet.
Shut-in Pressure for Flowing Well.....
Pumping Water Level 5 feet at 75 gal. per minute.
Discharge in gal. per min. of flowing well 75
How Tested Sniles Length of Test 6 Hours

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

14
Driller's License Number

John Farrell
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.

12330

File No. _____

T. 13N 18W

DUPLICATE

County Missoula

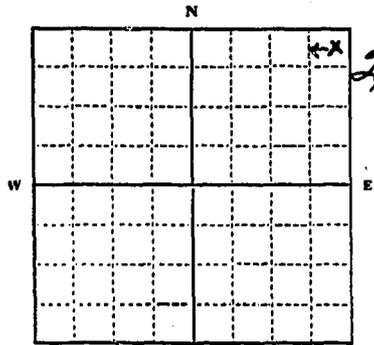
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Hellgate Civilian Shooters Association, Inc.
1. (Name of Appropriator) of Missoula, Mont.
(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:



Lot 7 - Plot A 7-13-18-12

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

2. The beneficial use on which the claim is based: Drinking Water, Toilet Facilities and Lawn Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Continuous since June 1957

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: 5 acres. Owned by The Hellgate Civilian Shooters Association, Inc.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commenced in June 1957, and completed in June 1957

8. The depth of water table: 83' 7"

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: One Well only. Depth 83' 7"

10. The estimated amount of groundwater withdrawn each year: 20,000 gals.

11. The log of formations encountered in the drilling of each well if available: 0 to 24' Sand, Gravel and Boulder. 24' to 51' Boulder and Gravel in clay binder. 51' to 66' sand and gravel. 66' to 78' Boulder and clay. 78' to 79' clay. 79' to 83' Gravel and Water.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: In Lot 7 - Plot A - 7-13-18-12

Hellgate Civilian Shooters Association, Inc.
Signature of Owner: [Signature]
Date: Dec. 31, 1962

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.

20285

1168

I received and filed this instrument for
record on the 31st day of Dec 1962
at 4:25 o'clock P.M. in permanent files
of Missoula County, State of Montana
Witness my hand:
By Edith Lane County Recorder
Fee \$ 00 Deputy
Paid

File No.

T. 13N R. 18W

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

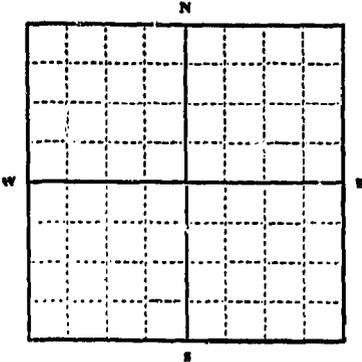
RECEIVED
JAN 3 1963

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. **HEYER, his wife,**
ROBERT E. HEYER and PHYLLIS J. /, of **Route 4, Pine Grove, Missoula,**
(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. 17, T. 13N R. 18W
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 irrigation.**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... **1959.**

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... **Not known.**

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... **Lot 3 of Heyer Addition, a platted subdivision, County of Missoula, State of Montana, Robert E. Heyer and Phyllis J. Heyer.**

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... **Drilled well. Well located along side of house toward the back of the house.**

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 Winter of 1959.**

8. The depth of water table... **Not known.**

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... **One drilled well, 5 inch casing, 77 feet deep, 1 H.P. pump.**

10. The estimated amount of groundwater withdrawn each year... **Not known.**

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

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

Signature of Owner Robert E. Heyer
Phyllis J. Heyer

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.

20168

Missoula,
ROBERT E. HEYER and PHYLLIS J. HEYER, his wife,
she is
or /

s
s
or she
s are

31st. December 63.

Missoula, Montana.

February 15, 65.

1848

215523

I received and filed this instrument
record on the 31st day of Dec. 1963
at 4:30 o'clock P.M. permanent file
of Missoula County, State of Montana
Witness my hand & seal
MAYNARD S. 229 N. 2nd St. County Recorder
By ELINE Deputy
Fee \$ 2.00

File No. _____

T. 13 N 18 E 17

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
SEP 18 1964

Count _____
RECEIVED
STATE ENGINEER



Top of Ground

(Elev. above sea level _____)

34' soil and boulder gravel
1' water and fine sand
38' soil and boulder gravel
7' boulder
15' soil and boulder gravel
1' clay and boulder gravel
30' water sand and coarse gravel

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Albert J. Alfred Hutchins Address: Milltown

Driller: Kane Water Well Drilling address: St. Regis

Date of Notice of Appropriation of Groundwater: 8/29/63

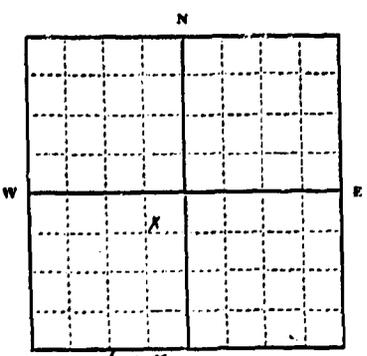
Date well started: 8/30/63 Date Completed: 9/5/63

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6"	6" x 19#	0	94 1/2	does not apply		



Lot 7 s
1/4 Sec. 17 T. 13 R. 18
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 35 feet.

Shut-in Pressure for Flowing Well does not apply

Pumping Water Level 30 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well does not apply

How Tested: ball and pump Length of Test: will close

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)

Show exact depth of bottom.

23
Driller's License Number

Eugene S. Kane
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.

38472

1443 226229

I received and filed this instrument for
record on the 14 day of Sept. 1960
at 10:45 o'clock A.M. permanent files
of Missouri County, State of Montana
Witness my hand:
Vernice R. Cooper, County Recorder
By Glenn J. Mason, Deputy
Fee \$ 2.00 Paid

File No. _____

DUPLICATE

T. 13 N. R. 12 W. 17

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

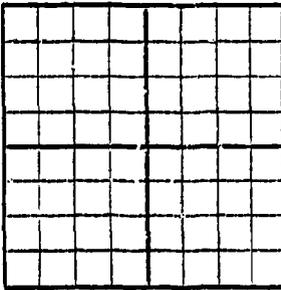
RECEIVED
DEC 26 1963

STATE ENGINEER

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

1. Arthur Lehti of St. Louis Missoula
(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:



S.E. 1/4 Sec. 17, T. 13, R. 12, W. 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 & yard water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been pump built in 1935 & used ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 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 Used for yard sprinkling size of yard 3 plots

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 3 1/2" Electric pumps 3 ft. P. in back of house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: House completed in 1937 moved in before Christmas & has been using it since

8. The depth of water table 35 ft of water

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 Deep water well 100 with 6 in casing

10. The estimated amount of groundwater withdrawn each year Don't know

11. The log of formations encountered in the drilling of each well if available Don't know

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.

Don't know

Signature of Owner Arthur Lehti
Date 12-19-63

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.

12346

File No. STATE WATER CONSERVATION BOARD

T13N R18W

DUPLICATE

SEP 21 1966

County Missoula

Billie _____ McDermott _____ STATE OF MONTANA
Butzerin _____ McNulty _____ ADMINISTRATOR OF GROUNDWATER CODE
Coyle _____ Morton _____ OFFICE OF STATE ENGINEER
Darlington _____ Sullivan _____
Dickert _____

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 Loren C. Lomax Address Rt. 4, Pinegrove, Mont
1522 S. 14

Driller Glenn Camp Address Missoula, Montana

Date of Notice of Appropriation of Groundwater _____

Date well started Aug. 23, 1966 Date Completed Aug. 30, 1966

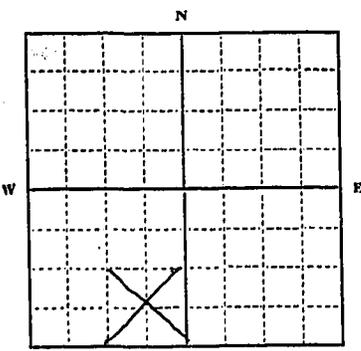
Type of well Drilled Equipment Used churn drill
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

- 0-1 Topsell
- 1-62 Boulders, gravel and clay
- 62-72 Clay and Gravel
- 72-75 Clay, gravel and water
- 75-85 Sand, gravel and water
- 85-87 Boulder
- 87-92 Sand, gravel and water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" I.D. 19 lb	2' above G.L.	92'	none		



S.E. 1/4 SW 4 Sec. 17 T. 13N R. 18W
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 60' from top of pipe feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 50 feet at 40 gal. per minute.

Discharge in gal. per min. of flowing well _____
Ball &

How Tested test 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) _____

License # 7
Driller's License Number

Glenn Camp
Driller's Signature Glenn Camp

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.

41, 42, 5

1653

INSTRUMENT

354026

I received and filed this instrument for record on the 19 day of Sept, 1946 at 2:30 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
 Veronique R. Crouse, County Recorder
 By Marjorie J. Heath, Deputy
 Fee \$ 7.00 Paid cash

MISSOULA COUNTY
 REC'D 12 9 1946

MISSOULA COUNTY
 REC'D 12 9 1946

MISSOULA COUNTY
 REC'D 12 9 1946

File No. _____

T. 13^N R. 18^W 217

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

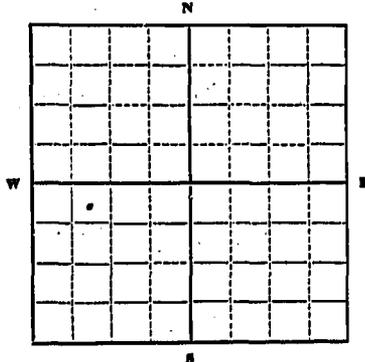
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Vernon I. McDonald of Route #4 Missoula
(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:



Lot 3
Sec. 17, T. 17 S. R. 18 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... domestic and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... Containers in since 1920

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 20 gal. per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof... Part of Lot 3, Plat B-2, Section 17, Township 13 North, Range 18 West.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... 1 well, electric pump, 6" casing, 1 1/2" intake pipe, 1 1/2 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... 1920

8. The depth of water table... 45 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 95' in depth, 6" casing, electric pump withdrawal.

10. The estimated amount of groundwater withdrawn each year... 5,000,000 gal per year.

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... nothing

Signature of Owner Vernon I. McDonald

Date... December 26, 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.

587

214891

Copy

I received and filed this instrument
 record on the 21st day of Nov 1963
 at 11:30 o'clock A.M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By [Signature] Deputy
 Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDERS OFFICE
 100 SOUTH 1ST ST. MISSOULA, MONTANA 59701
 PHONE 542-1111

File No. _____

T. 13N R. 18W 17

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAY 19 1965

Notice of Completion of Groundwater Appropriation by Megate Engineer

(Under Chapter 237, Montana Session Laws, 1951)

Well by Chateau Club

Owner George Neff Address 1310 W. _____

Driller Glenn Camp 705 Alder Address Missoula, Mont

Date of Notice of Appropriation of Groundwater _____

Date well started 4/17/65 Date Completed 4/23/65

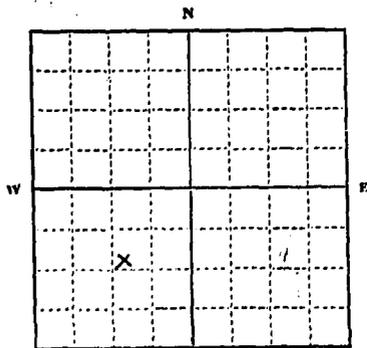
Type of well Drilled Equipment Used Churn drill
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Top of Ground
(Elev. above sea level.....)
0 to 1' Top soil
1' to 29' Tight clay & boulders & gravel
29' to 33' Boulder
33' to 62' Tight clay & gravel
62' to 88' Sand, gravel & water
88' to 92' Gravel & water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" J.D. 18.97 # to ft	10" above G.L.	to 92'-10"	None		



NE 1/4 Sec. 17 T. 13N R. 18W
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 58' from G.L. feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 58'-6" feet at 16 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Test Pump Length of Test 1 hour

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) _____

Licence # 7
Driller's License Number

Glenn 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.

#499

236635

I received and filed this instrument for
record on the 14 day of May 1965
at 2:30 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
Verama R. Couse, County Recorder
By Dorothy L. Kinnear, Deputy
Fee 2.00 Paid Cash

RECORDED

INDEXED

○

File No.

T. 13 N. R. 18 W.

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

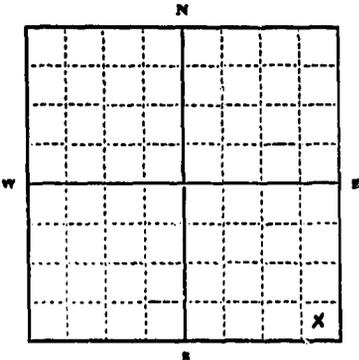
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. George W. Porter of Missoula, of Rt. 4 1/2 east Riverside, Missoula
(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:



S.E. 1/4 Sec. 17, T. 13, R. 18

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 & trailer count

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Aug. 15, 1952 and ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 115 gal. per min.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Started Aug. 1, 1952 Completed Aug. 15, 1952

8. The depth of water table. 6.7 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 6 in. casing, well 98 ft deep.

10. The estimated amount of groundwater withdrawn each year. 2,500,000 gal. per year

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

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

Signature of Owner. George W. Porter
Clay V. Hill
Date Dec. 28, 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.

15293

730

215 445

I received and filed this instrument for
record on the 21st day of Dec 1968
at 11:42 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BRINER, County Recorder
By Martin S. Briner Deputy
Fee 5.00 Paid

File No. SEP 8 1966

T. 13 R. 18

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County Missoula

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 8/12/66

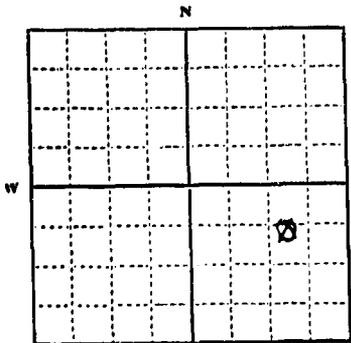
Owner Conrad Rickie Address Rt. 4 Missoula, Mont

Contractor (if any) None

Address of Contractor

Date Started 8/8/66 Date Completed 9/1/66

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. 2" plastic pipe used to bring spring water from mountain draw down to cultivated area



NE 1/4 SE Sec. 17, T. 13 R. 18. 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. Amount of water that can be carried in 2 inch pipe on year around basis

Signature of Owner Conrad J. Rickie

Date 9/3/66

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.

15
1647

253643

I received and filed this instrument for
record on the 6 day of Sept. 1966
at 9:55 o'clock AM, permanent files
of Missoula County, State of Montana
Witness my hand:
Veranda E. Cross County Recorder
By *Bonita A. King* Deputy
Fee \$ 2.00 *10/1/66*

File No. _____

T. 13 R. 15 W

DUPLICATE

County Missoula

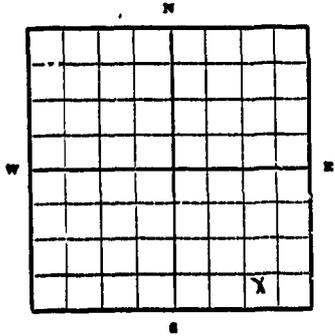
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 16 1963

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

STATE ENGINEER

1. Conrad J. Rieckle, of T. 13 R. 15 W Missoula
(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:



Sec. 7 T. 13 R. 15
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 & small amount irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Since 1961
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 13 gal per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 9 acres in T. 13 R. 15 W. Sec. 7 Missoula
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Case well S.W. corner of lot 12. 1.5' diameter. Conrad Rieckle

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Start 6/3/61 finish 9/61
- 8. The depth of water table 6.3 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 37.2 ft deep covered casing
- 10. The estimated amount of groundwater withdrawn each year 500,000 gal
- 11. The log of formations encountered in the drilling of each well if available 6'-10' gravelly boulders 12'-27' clay & gravel 27'-43' coarse & fine sand 43'-63' clay & gravel 63'-74' clay & gravel 74'-78' gravel & water 78'-80' boulders & gravel in water 80'-89' gravel & water
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Conrad Rieckle
Date 1/11/63

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.

074

201719

I received and filed this instrument for
 record on the 11th day of Jan 1913
 at 2.36 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By Lorothy Head Deputy
 Fee \$ 2.00 Paid

This instrument is hereby acknowledged to be the act and deed of the above named parties to the same, and is filed for record in accordance with the provisions of the laws of the State of Montana.

File No. _____

T. 13 N. R. 18 W. 17

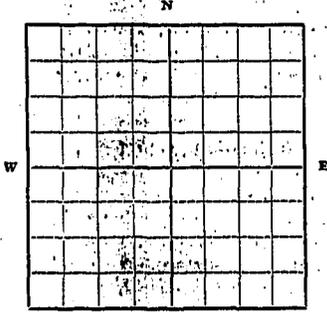
DUPLICATE

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. L. F. or Rose D. Smith of Rt. #4 Pine Grove Missoula
(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:



ST 4 sec
Sec. 17 T. 13 R. 18

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

- The beneficial use on which the claim is based Household and Lawn Irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been From 1950 - Continuous since
- The amount of groundwater claimed (in miner's inches or gallons per minute) 15 Gals.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Used to irrigate yard approximately 1 1/2 acres on lots 2 and 24 of Thibodeau and Reastra Tract
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Deep well pump located 6 ft. East of bedroom window.
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950 Machine drilled 6 inch casing (steel).
- The depth of water table 70 ft.
- 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 with six inch steel casing drilled to a depth of 96 ft.
- The estimated amount of groundwater withdrawn each year 300,000 gallons
- The log of formations encountered in the drilling of each well if available
0 - 7' pit 50 - 60 Boulders, clay, sand 85 - 96 Course Gravel
7 - 20 Fine gravel sand 60 - 67 Fine gravel, clay Some sand
20 - 40 Gravel, clay, sandy clay 67 - 70 Fine gravel, sand water
40 - 50 Clay, course gravel 70 - 80 Gravel, sand
- 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.
Well drilled by Lowrey Well Drilling Co.

Signature of Owner L. F. Smith or Rose D. Smith

Date December 13, 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.

9328

412

214291

I received and filed this instrument for
 record on the 13 day of Oct 1967
 at 4:20 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By [Signature] Deputy
 Fee \$ 2.00 Paid

13 13 18

25

13 13 18

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOV 18 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 Ross Smith
Address Pinegrove, Rt. 4
Missoula, Montana
Date well started Oct. 6, 1971
completed Oct. 11, 1971

For Administrator's Use		
File	<u>309628</u>	
	<u>November 12, 1971</u>	
	<u>12:45 PM</u>	
GW 1		

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

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

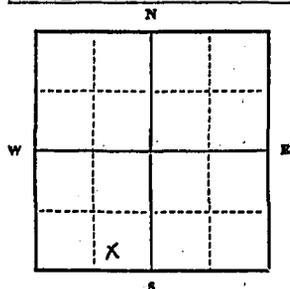
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other * Garden/Lawn

*Describe

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)
6" ID	6" ID 17 lb per ft.	1' above g.l.	93'			none



Static water level 62 ft.*
Pumping water level 63 ft.*
at 20 gallons per minute,
measured immediately after pumping
began.

*Measured from ground level.
Well developed by test pump
for 1 hours.

Power 100 Pump 1 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

SE 1/4 SW 1/4 Sec. 17
T. 13 N. R. 18 E.
S. 17

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

Driller's Signature

CAMP WELL DRILLING & PUMP SUPPLY

Driller's Address 1522 S. 14th W., Missoula, Montana 59801

Philip C. Bakke LICENSE NO. 7

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	10	Clay, Gravel
		Cobbles
10	24	Clay & Gravel
24	47	Gravel & Cobbles
47	51	Clay, Gravel, sand of water
51	69	Tight clay & gravel
69	70	Tight clay, Gravel & water
70	72	Sand Gravel & Water
72	85	Clay & Gravel
85	93	Sand Gravel & water

93' Show exact depth of bottom

49724

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOV 18 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 Ross Smith

Address Pinegrove, Rt. 4
Missoula, Montana

Date well started Oct. 6, 1971
completed Oct. 11, 1971

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

For Administrator's Use

File 309628
November 12, 1971
12:45 PM

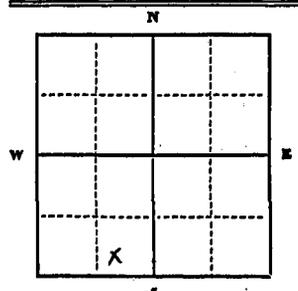
GW 1

*Describe _____

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

ESTIMATED ANNUAL WITHDRAWAL _____

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" ID	6" ID 17 lb per ft.	1' above g.l.	93'			none



Static water level 62 ft.*
Pumping water level 63 ft.*
at 20 gallons per minute,
measured immediately minutes after pumping
began.
*Measured from ground level.
Well developed by test pump
for 7 hours.
Power 5.00 Pump 1 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) _____

SE 1/4 SW 1/4 Sec. 17
T. 13 N. R. 18 E.

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

Driller's Signature _____
CAMP WELL DRILLING & PUMP SUPPLY
Driller's Address 1522 S. 14th W., Missoula, Montana 59801

Philip A. Bakke LICENSE NO. 7

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	10	Clay, Gravel
		Cobbles
10	25	Clay & Gravel
25	47	Gravel & Cobbles
47	51	Clay, Gravel, sand of water
51	69	Tight clay & gravel
69	70	Tight clay, Gravel & water
70	72	Sand Gravel & Water
72	85	Clay & Gravel
85	93	Sand Gravel & water

93' Show exact depth of bottom

49-124

42200

309629

I received and filed this instrument for
record on the 12th day of Nov 1911
at 10:45 o'clock A.M. in the files
of Missoula County State of Montana
Witness my hand
Vernon R. Greese, County Recorder
By *[Signature]*
Fee \$2.00 Paid

File No. _____

T. 13N R. 18W

DUPLICATE

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

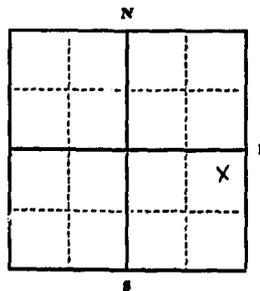
Top of Ground
(Elev. above sea level.....)

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

0-23 *Topsell & Redish Rock*
23-30 *Soft light brown clay* (Under Chapter 237, Montana Session Laws, 1961)
30-51'6" *Soft light brown clay* Owner: STIMATZ, Lloyd A. Address: W. Riverside, Missoula
51'6"-60 *Rock & light brown clay* Driller: Glenn Camp Address: 1322 S. 14th W. Missoula, Montana
60-81 *Clay* Date of Notice of appropriation of groundwater.....
 Date well started November 9, 1968 Date completed November 15, 1968
81-88'6" *Sand & few pebbles - at 81' some water* 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
88'6"-92 *Water, coarse gravel & sand* 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.
92-100 *Clay, Gravel & sand*
100-106 *Sand, Gravel & water*

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I.D.	6" I.D.	1' above G.L.	106'	None		

#1971
 Doc. No. 289809
 Filed for record this 27th day of March
 A. D. 19 70 at 2:00 o'clock P. M.



Static Water Level for non-flowing well
 with 10' of drawdown 58 feet.
 Shut-in Pressure for Flowing Well.....
 Pumping Water Level 75 feet
 at 60 gal. per minute.
 Discharge in gal. per min. of flowing well.....
 How Tested Air Compressor
 Length of Test 2 1/2 hours
 Remarks: (Gravel packing, cementing, packers, type of shutoff).....

SE 1/4 Sec. 17 T. 13N R. 18W
 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).

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.

License # 7
 Driller's License Number
 Driller's Signature: Glenn Camp

4971

289809

I received and filed this instrument for record on the 27th day of March 1970 at 3:00 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
Yvonne E. Cronse
 Yvonne E. Cronse, County Recorder
 By *William J. Ryan*, Deputy
 Fee \$1.00 Paid

MONTANA WATER RESOURCES BOARD
RECEIVED
 MAR 31 1970

Receipts - (Please Stamp in new line)
 Date: _____
 Amount: _____

File No. _____

T. 13 N. R. 18 W. 17

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

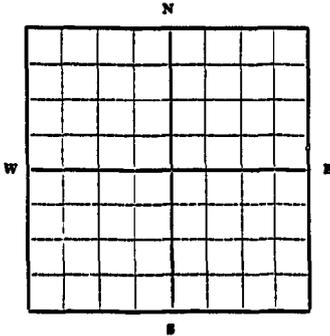
RECEIVED
DEC 9 1963

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

STATE ENGINEER

1. Albert G. and Pearl B. Chiboleau, Box 155, Milltown, 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:



SE 1/4 Sec. 17, T. 13 N. R. 18 W

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

- The beneficial use on which the claim is based for use in the home and for irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been June 1, 1945 and has been in operation continuously up to date and indefinitely
- The amount of groundwater claimed (in miner's inches or gallons per minute) two and one-half gallons per minute (may not be altogether accurate)
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Part of lot 11 and lots 12 and 13 of Block 1 of Chiboleau Tract, Town of Milltown, County of Missoula, State of Montana; Albert G. and Pearl B. Chiboleau
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal from one deep well situated on lot 14 of Block 1 of Chiboleau Tract, Town of Milltown, County of Missoula, State of Montana; Albert G. and Pearl B. Chiboleau
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater beginning in May, 1945 and completed on May 17, 1945 and is in operation June 1, 1945
- The depth of water table there is twenty-eight feet six inches of water in the well.
- 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 We have 8 1/2 ft. 6 inches of well casing with a diameter of 3 1/4 inches. It is 5.8 ft. from top of water level and has a 6 inch casing with an 82 gallon tank.
- The estimated amount of groundwater withdrawn each year 800,000 gallons and mostly used to fertilize during irrigation
- The log of formations encountered in the drilling of each well if available limestone and limestone on top, gravel and then sand for a while, and then gravel and sand mixed with some rocks.
- 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 In Missoula County, properly listed in county record as book 47, page 156, file 546.

Signature of Owners

Albert G. Chiboleau
Pearl B. Chiboleau
Date December 5, 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.

359

~~213844~~
213844

copy

I received and filed this instrument for
record on the 5 day of Dec 1967
at 2:00 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By M. S. Behner Deputy
Fee \$ 2.00 Paid

File No. STATE WATER CONSERVATION BOARD

T. 13 N R 15 W 17

DUPLICATE

JAN 21 1966

County MISSOULA

Bill: _____ McDermott _____
B: LOG _____ McNulty _____
C: _____ Morton _____
D: _____ Sullivan _____

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
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0 to 6' Pit
6' to 61' Coarse gravel
61' to 84' Gravel &
some clay
84' to 90' Gravel, sand
some water
90' to 92' Gravel &
water

Owner: Albert Thibodeau and Address: (Pine Grove) Mont
PEARL P. THIBODEAU --- Box 155 Milltown, Mont,
Driller: Glenn Camp 705 Alder Address: Missoula, Montana

Date of Notice of appropriation of groundwater _____

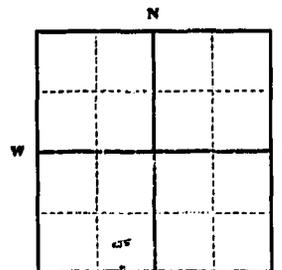
Date well started 12/16/65 Date completed 12/23/65

Type of well Drilled 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	From (Feet)	To (Feet)
6"	6" I.O. 19# to ft	9' above pit floor	to 85'-9"			none



Static Water Level for non-flowing well 64 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 64 feet
at 24 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Bailer

Length of Test 2 hours

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

PORTION OF LOT 14 & 17
S.E. 1/4 Sec. 17 T. 13 N. R. 15 W
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).

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.

licence # 7

Driller's License Number

Glenn Camp
Driller's Signature

40775

1546

246086

I received and filed this instrument for record on the 17 day of Jan. 1966 at 10:50 o'clock A.M., permanent files of Missoula County, State of Montana. Witness my hand.
 Verance R. Cross, County Recorder
 By M. M. Conroy, Deputy
 Fee \$ 2.00 Paid cash

Missoula, Montana
 1966
 Verance R. Cross
 County Recorder

BEVERLY THIBODEAU
 1966
 BEVERLY THIBODEAU
 1966

File No.

DUPLICATE

T 13 N R 18 W 17

County Missoula

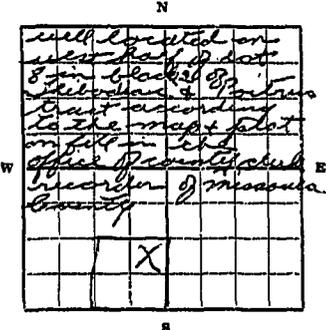
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 9 1963

STATE ENGINEER

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

Edward & Ethelene & Emily of Box 247 Milltown
(Name of Appropriator) (Address) (Town)
County of Missoula State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW 1/4 Sec. 17, T. 13, R. 18

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

- The beneficial use on which the claim is based Home and yard
- Date or approximate date of earliest beneficial use; and how continuous the use has been Oct. 1950
has been in use ever since
- The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof used to irrigate yard
approximately 200 sq
feet 40' x 10'
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Deep well pump located just
outside of basement wall of the house
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Oct. 10 - Oct. 19 - 1950
- The depth of water table 70 feet
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater well with 4" steel casing
drilled to a depth of 90 feet
- The estimated amount of groundwater withdrawn each year 300,000 gallons
- The log of formations encountered in the drilling of each well if available
0-6 small pebbles 50-60 boulders clay sand
6-20 fine gravel and sand 60-70 boulders clay
20-40 gravel clay sand clay 70-85 gravel and sand
40-50 coarse gravel 85-90 coarse gravel, sand
- 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
Well drilled by a Russell Mauerbray

Signature of Owner Edward & Ethelene
Emily Thibodeau
Date Dec 5 - 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.

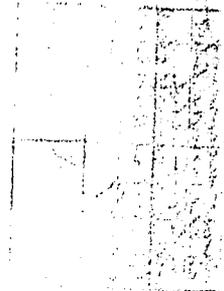
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

362

213871

Copy

I received and filed this instrument for
 record on the day of 19.....
 at o'clock M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By Deputy
 Fee \$ Paid



RECEIVED
 JUL 11 1960
 STATE ENGINEER

T. _____ R. 17
 County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY
 Butte, Montana

WATER WELL LOG

Owner Jack Thibodeau Address Milltown, Montana
 Driller Glenn Camp 705 Alder Address Missoula, Montana
 Date Started June 2, 1960 Date Completed June 7, 1960
 Location: Sec. 17 T. 13 R. 18 1/4 sec. SE 1/4 SW 1/4

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

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

Casing: 5' below ground level to 78'-2" ft. Type Seamless Size 6' I.D. 19 lbs to foot
 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: 58' feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (date)
 Pumping water level: 60' feet at 20 gal. per min.

How tested: Bailer
 Length of test: 4 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
To be filed with County Clerk and Recorder. Put in exact location of well

(over)

File No.

T. 13N R. 18W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

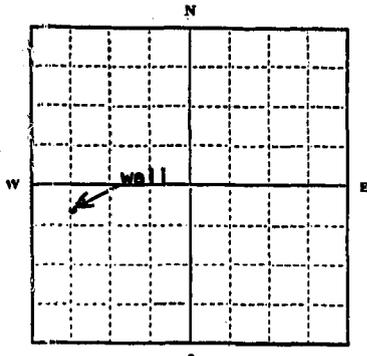
RECEIVED
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Laura Thibodeau, of Box 287, Missoula
(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. 1/4 SW Sec. 17, T. 13N R. 18W,

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

- 2. The beneficial use on which the claim is based Household, lawn and garden, human and animal
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1942, continuous use since 1942 without interruption.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gallons per minute present pump capacity, 200 miner's inches claimed.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre of lawn and garden, Owner same as appropriator
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal drilled well & pump, location shown on map.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater October 1942

8. The depth of water table 98'

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 type drilled; size 6" casing; depth 98'

10. The estimated amount of groundwater withdrawn each year 15,000 gallon

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

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.

20046

847

215 315

I received and filed this instrument for
 record on the 31 day of Dec 1911
 at 7:15 o'clock A.M., permanent files
 of Lincoln County, State of Missouri
 Witness my hand:
MARTIN S. BEINER, County Recorder
 By [Signature]
 Fee \$ 1.00 Paid

RECORDED IN BOOK 11, PAGE 111
 INDEXED IN BOOK 11, PAGE 111
 DECEMBER 31, 1911
 COUNTY OF LINCOLN, MISSOURI

RECORDED IN BOOK 11, PAGE 111
 INDEXED IN BOOK 11, PAGE 111
 DECEMBER 31, 1911
 COUNTY OF LINCOLN, MISSOURI

File No. _____

T. 13 R. 18

DUPLICATE

County Missoula

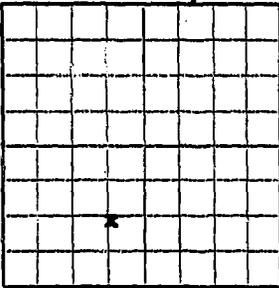
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963

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

1. Percy J. Thibodeau of Bonner
(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:



show 1/4 Sec. 17, T13 R18

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

2. The beneficial use in which the claim is based Home and Yard

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955 - in use ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 3 - 40x110' lots owned by Percy J. Thibodeau - 2 - 40x110' lots owned by Ed Granch - Thibodeau & Granch Addition - Missoula County Sec 17 T13 R18

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 20' P.S. Well Equip. Pump located on lot one Thibodeau & Granch Addition - Missoula County

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Drilled in 1955

8. The depth of water table 70 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater well with 6" steel casing drilled to a depth of 90 feet

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
0-7' Pit
7-10' Gravel, clay, sandy clay
10-60' Clay, coarse gravel, boulders
60-70' Fine gravel, silt, boulders
70 - Fine gravel, sand, water
70-85' Gravel, sand
85-90' Coarse Gravel, some 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.

Drilled by Newbray Well Drilling Co. Missoula Mont

Signature of Owner Percy J. Thibodeau

Date 12/19 - 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.

477

214600

I received and filed this instrument for
 record on the 20 day of Dec, 1963
 at 1:30 o'clock P.M., per order of
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By Martin S. Behner Deputy
 Fee \$ 2.00 Ad. 1.00 Paid

IN THE YEAR 1963

File No.

DUPLICATE

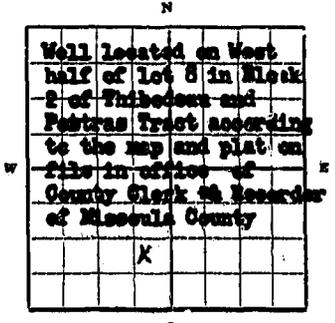
T. 13 N R 12 W 17
County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 27 1963

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

1. Wilfred V. Thibodeau & Edith May Thibodeau of Box 475 Bozeman
(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:



SE 1/4 Sec 17 T 12 R 18

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 Home & yard
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1939 - in continuous use ever since
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 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 used to irrigate yard - approximately two lots each 10' x 110'
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Deep well pump located just outside of basement wall of my home

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1939 - well hand dug and used until 1955 when we had the well drilled and a 6" casing installed.
- 8. The depth of water table 70 feet
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater well with 6" steel casing drilled to a depth of 90 feet
- 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

0 - 7 Ft	50 - 60 Boulders, clay, sand	85 - 90 Coarse Gravel
7 - 20 Fine Gravel sand	60 - 67 Fine gravel, clay	some sand
20 - 40 Gravel, clay, sandy clay	67 - 70 Boulders, clay	
40 - 50 Clay, coarse gravel	70 - Fine Gravel, sand, water	
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Well drilled by Liberty Drilling & Pump Co., Missoula, Montana

Signature of Owner Edith May Thibodeau

Date November 12, 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.

1321

213381

Copy

I received and filed this instrument for record on the 21 day of Nov, 1968 at 11:30 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNER, County Recorder
 By Martin S. Behner
 Fee \$ 2.00 Paid

MISSOULA COUNTY, MONTANA
 DEPARTMENT OF CLERK AND RECORDER
 MISSOULA, MONTANA

RECORDED

INDEXED

MISSOULA COUNTY, MONTANA
 DEPARTMENT OF CLERK AND RECORDER
 MISSOULA, MONTANA

RECORDED

INDEXED

MISSOULA COUNTY, MONTANA
 DEPARTMENT OF CLERK AND RECORDER
 MISSOULA, MONTANA

RECORDED

INDEXED

GW 2

File No. _____

DUPLICATE

0-to-71-Fit
Top of Ground

(Elev. above sea level _____)

0 to 7' Fit

7' to 15' Clay, gravel & Boulders

15 to 39' Clay, sand

and small gravel

39' to 72' ft Clay,

small gravel

72' to 206' Sand, gravel

and water.

RECEIVED
DEC 16 1963

T. 13N 18W

County Missoula

STATE ENGINEER
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER DEC 10 1963

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Art Thompson Address 1436 -S 4th W

Driller Glenn Camp 705 Alder Address Missoula, Mont

Date of Notice of Appropriation of Groundwater _____

Date well started 5/26/62 Date Completed 10/2/62

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	5" I.D.	6' below G.L.				
	14 lbs to foot	to 99' 6"		None		
	seamless					

Static Water Level for non-flowing Well 65' from G.L. feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 65 feet at 15 gal. per minute.

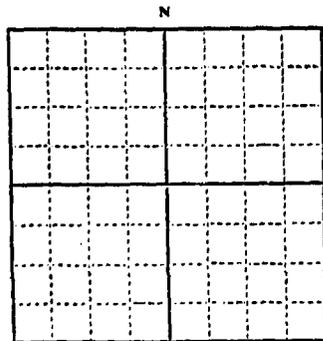
Discharge in gal. per min. of flowing well _____

How Tested Ballor Length of Test 2 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



SE 1/4 Sec. 17 T. 13 R. 18
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

License # 7
Driller's License Number

Glenn 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.

8270

370

213962

Copy

I received and paid this instrument for
 record on the 9 day of Dec 1963
 at 11:00 o'clock A. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
MARTIN S. BENNER, County Recorder
 By Martin S. Benner Deputy
 Fee 5.00 Paid

RECORDED
 INDEXED
 FILED
 MISSOULA COUNTY, MONTANA
 DECEMBER 10 1963
 COUNTY CLERK

MISSOULA COUNTY, MONTANA
 DECEMBER 10 1963
 COUNTY CLERK