

STATE WATER CONSERVATION BOARD

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

AUG 17 1966

T. \_\_\_\_\_ R. \_\_\_\_\_ 20

DUPLICATE

County Missoula

LOG

Billie \_\_\_\_\_ McDermott \_\_\_\_\_  
 Butzerin \_\_\_\_\_ STATE OF MONTANA  
 Coyle \_\_\_\_\_ ADMINISTRATOR OF GROUNDWATER CODE  
 Darlington \_\_\_\_\_ Sullivan \_\_\_\_\_  
 Dickert \_\_\_\_\_ OFFICE OF STATE ENGINEER

Top of Ground \_\_\_\_\_  
 (Elev. above sea level 3,223)

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Marcus J. Bourke Address \_\_\_\_\_

Driller Harold K. Pickens Address 3624 30. Ave.  
Missoula, Mont.

Date of Notice of appropriation of groundwater \_\_\_\_\_

Date well started 7/28/66 Date completed 7/31/66

Type of well Driven Equipment used Cable tool  
(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)
<u>4 1/2</u>	<u>4 in. IO78 Per. Ft.</u>	<u>0 to</u>	<u>57 Ft.</u>	<u>1/8 slots</u>	<u>51 to.</u>	<u>57 ft.</u>

0 to 2 1/2 top soil

2 1/2 to 7 soil & gravel

7 to 17 gravel & sand

17 to 24 gravel sand & water

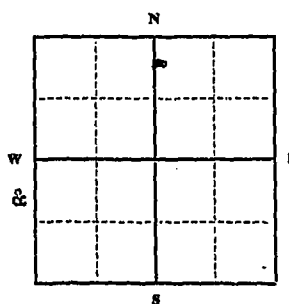
24 to 35 sand & water

35 to 46 small gravel sand & water

46 to 50 clay

50 to 57 gravel & water

Show exact depth of bottom. 57 ft.



Static Water Level for non-flowing well \_\_\_\_\_ feet.

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

Pumping Water Level 39 feet  
at 35 gal. per minute.

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

How Tested compressor

Length of Test 3 1/2 hrs.

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

NE 1/4 Sec. 22 T. 13 R. 19  
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

71

Driller's License Number

Harold K. Pickens  
Driller's Signature

41,314  
412316

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.

1638  
1916

INDEXED

252988

I received and filed this instrument for record on the 12 day of Aug. 1916 at 11:30 o'clock A.M., permanent files of Missoula County, State of Montana  
Witness my hand  
Veronique R. Ciguse, County Recorder  
By *Norothy A. Head* Deputy  
Fee \$ *7.00* Paid *cash*

MISSOULA COUNTY RECORDS STATE

NOV 11 1916

MISSOULA COUNTY RECORDS STATE  
RECORDED IN BOOK 11 PAGE 11  
INDEXED IN BOOK 11 PAGE 11


Deposited in car for safekeeping  
by \_\_\_\_\_  
J. H. \_\_\_\_\_  
Special Agent in Charge

ADDENDUM

Form:  Declaration of Vested Groundwater Rights

Notice of Completion of Groundwater Appropriation by Means of Well

Name of owner:

Annie + George Bukovatz

Corrected land description:

1/2 SE SE NE  
Sec. 20 T13N R 19W

Initials:

CS

Riverside Addition

GW

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

T. 13<sup>N</sup> R. 19 W. 20

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECORDED  
JAN 3 1962  
STATE ENGINEER

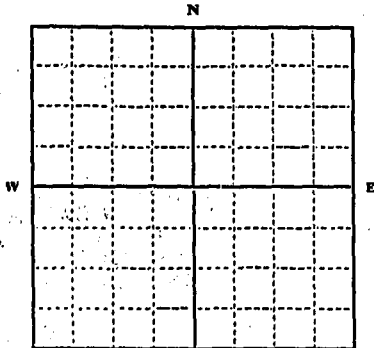
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Annie Bukovatz & George A. Bukovatz, of 162C Idaho St., Missoula, 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:



*BLP #2 Lots #2 Section*  
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 household use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been sometime in 1910

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

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 if needed for lawn use

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well on property when purchased

8. The depth of water table unknown

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater unable to determine

10. The estimated amount of groundwater withdrawn each year unknown

11. The log of formations encountered in the drilling of each well if available Book 109, of deeds page 430

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

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

Date 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.

20264

1144

I received and filed this instrument for  
record on the 21 day of Dec 1969  
at S. H. O'Leary, permanent files  
of Helena County, State of Montana.  
Witness my hand:  
By *M. S. O'Leary* County Recorder  
Fee \$ 2.00 Paid

ADDENDUM

Form:  Declaration of Vested Groundwater Rights

Notice of Completion of Groundwater  
Appropriation by Means of Well

Name of  
owner: William + Jean Burlingame

Corrected  
land description: 1/4 NW 1/4 NW 1/4  
Sec. 20 T 13N R 19W

Initials: CS

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

T 13N R 19W 20

DUPLICATE

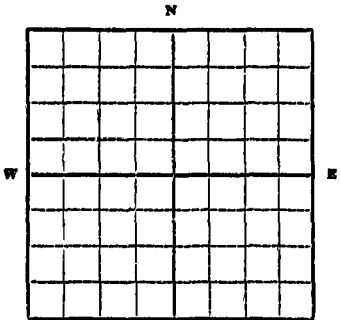
County \_\_\_\_\_

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)

*and Jean*  
Wm. BURLINGAME of 2400 RIVER ROAD 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:



E 263.2' Gobley + Danmore  
Orchard Homes  
1/4 Sec 32 T R

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 irrigation and backyard use
- Date or approximate date of earliest beneficial use; and how continuous the use has been  
1 well 12 years - 1951  
1 well 60 years - 1903 - (approximate) constant use
- The amount of groundwater claimed (in miner's inches or gallons per minute) 100 gal. per minute from each well
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof lawn and garden 3/4 acres  
Burlingame pasture
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
2 pumps
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater not available
- The depth of water table 13 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  
1. 80 feet deep - 6" casing  
1. 25 feet deep - 6" casing
- The estimated amount of groundwater withdrawn each year 25 foot well - 1,700,000 gal  
80 foot well - 400,000 gal
- The log of formations encountered in the drilling of each well if available not available
- 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 available

Jean Burlingame  
Wm. Burlingame  
Signature of Owner  
Date Dec 23, 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.

15175

0573

214825

*Copy*  
I received and filed this instrument for  
record on the 21 day of Dec 1968  
at 10:30 o'clock A.M., permanent files  
of Missoula County, State of Montana  
Witness my hand:  
MARTIN S. BEYNER, County Recorder  
By Albert S. Cook Deputy  
Fee \$ 2.00 Paid

C



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

T. 13<sup>N</sup> R. 19<sup>W</sup>

DUPLICATE

County MISSOULA

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

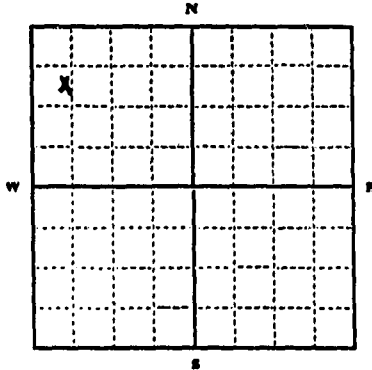
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. JOSEPH R. + BARBARA J. BUSH, of 2431 RIVER ROAD, 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:



NW 1/4 NW Sec. 20 T. 13 R. 19  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based HOUSEHOLD AND IRRIGATION

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955 through 1963

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 1/2 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  
1 1/2 ACRE IRRIGATION + DOMESTIC

JOSEPH R. and BARBARA J. BUSH

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

2431 RIVER ROAD

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. UNKNOWN WHEN COMMENCED COMPLETED 1955

8. The depth of water table 64  
25 FEET

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 INCH PIPE 60 FEET

10. The estimated amount of groundwater withdrawn each year 350,000  
200,000 GALLONS 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  
BOOK 177 PAGE 538

Signature of Owner Joseph R. Bush  
Barbara J. Bush

Date 11-26-63

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

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

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

15284

413

215-122

I received and filed this instrument for  
 record on the 30 day of Dec 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

RECORDED & INDEXED

37 MAY 2007

2007 APR 25 10:21 AM

20

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

T. 13N R. 11W

DUPLICATE

County Missoula

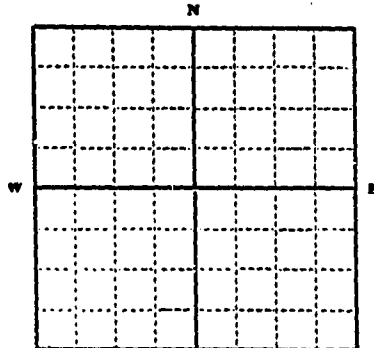
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 227, Montana Session Laws, 1961)

1. Fred Chaudoin and Ella Chaudoin of Route 2, Missoula, 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:



Lots 1, 2, 3, 18, 19 & 20 in  
Blk 14 of Riverside Addition  
1/4 Sec. 1

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 use

3. Date or approximate date of earliest beneficial use; and how continu-  
ous the use has been 1942

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

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

6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal  
Electric pump located on Lot 19

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater 1942

8. The depth of water table 32'

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 N/A

10. The estimated amount of groundwater withdrawn each year 6,000 gal.

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

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 N/A

Signature of Owner Fred A Chaudoin

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.

566

314869

*Copy*

I received and filed this instrument in  
record on the 26 day of Dec 1963  
at 10:42 o'clock A.M., permanent files  
of Miscoula County, State of Montana  
Witness my hand:  
MARTIN S. BISHOP, County Recorder  
By Martin S. Bishop Deputy  
Fee \$ 2.00 Paid

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

T. 13 R. 19

DUPLICATE

County \_\_\_\_\_

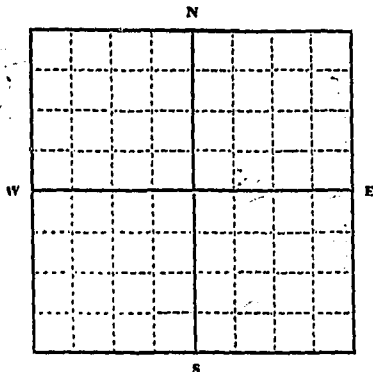
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1963

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Annie Chaussee, of 1914 Montana St. 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:



1/2 of NW 1/4 Sec. 20 T. 13 R. 19

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, Stock, Irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Around 1900 & to present  
Date 1963
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 inches 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 All of Block Five (S) And all of Block Eight (S) in Riverside Addition, to the City of Missoula  
5 Acres Annie Chaussee
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal A 2 hp motor on pump location 20 ft West of House

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater First Around 1900 - Hand Dug Drilled by Machine 1935
- 8. The depth of water table First water 25 ft Second Water 58 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 to date a drilled well 5 inch casing Approx 58 ft.
- 10. The estimated amount of groundwater withdrawn each year Approx 1,000,000 Gals per yr.
- 11. The log of formations encountered in the drilling of each well if available Dirt - Sand - Clay  
Rock - Gravel

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Volume 199 Deed Records County of Missoula, State of Mont page 179

Annie Chaussee, By  
Signature of Owner George J. Chaussee,  
Son  
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.

1154

I received and filed this instrument for  
 record on the 31 day of Dec, 1942  
 at \_\_\_\_\_ o'clock \_\_\_\_\_ PM, permanent files  
 of Micoona County, State of Alabama  
 Witness my hand:  
 By Mark A. Pugh Recorder  
170 Deputy  
 Fee \$ \_\_\_\_\_ Paid

*[Faint, illegible handwritten text, possibly a signature or note.]*

GW1

File No. ....

T. 13<sup>N</sup> R. 19<sup>W</sup> 20

DUPLICATE

County.....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1963

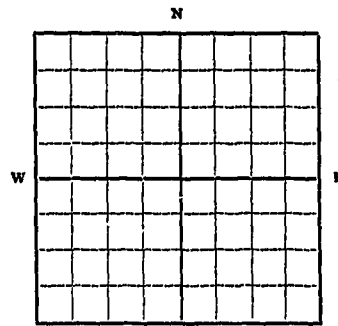
Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

- I, Annie Chaussee, of 1914 Montana St., Missoula  
(Name of Appropriator) (Address) (Town)  
County of Missoula, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
- The beneficial use to which water is to be applied is Household, Stock, Irrigation, -  
Lawns, Gardens, Fields 5 Acres  
(describe lands to be benefited, if for irrigation)
- The rate of use in gallons per minute or miner's inches of groundwater claimed 100 inches  
per minute
- The annual period (inclusive dates) of intended use Yearly (For example, Dec. 31, 1963  
to Jan. 1, 1964)
- The probable or intended date of first beneficial use Near future (maybe 3/6/10 years
- The probable or intended date of commencement and completion of the well\* or wells\* .....  
Future use (3-6-10 etc. years)
- The location, type, size and depth of well or wells contemplated .....  
1-hundred yds. From present Well-West. 5 in. Casing, Depth 58 ft.
- The probable or estimated depth of the water table or artesian aquifer 58 ft.
- Name, address and license number of the driller engaged .....  
To be engaged

- Give such other similar information as may be useful in carrying out the policy of this act. All of  
Block Five (5) and all of Block Eight  
(8) in Riverside Addition to the City  
of Missoula (5 acres).



S $\frac{1}{2}$ NW  $\frac{1}{4}$  Sec. 20 T. 13 R. 19

Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Annie Chaussee, By George J. Chaussee, Son.  
Date December 31, 1963

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

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

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

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

20298

1219

Copy

I received and filed this instrument for  
record on the 31<sup>st</sup> day of Dec. 1963  
at 8:44 o'clock P.M., permanent files  
of Missoula County, State of Montana  
Witness my hand:  
County Recorder  
By Martin S. Hanna Deputy  
Fee \$ 2 Paid



File No. ....

T. 13<sup>N</sup> R. 19<sup>W</sup> 20

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

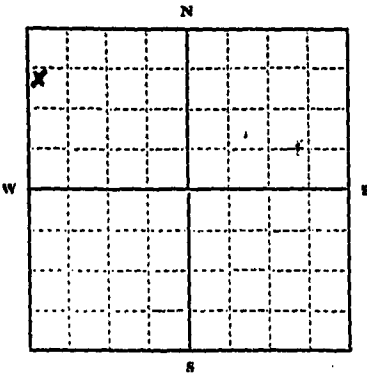
County Missoula  
RECEIVED  
DEC 30 1963

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Donald T. & Shirley M. Connick, of 2447 River Road, 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:



NW 1/4 Sec 20 T. 13. R. 19.

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 + Irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1940 through 1963
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 172 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. 172 acre - irrigation + domestic  
Donald T. & Shirley M. Connick
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Water pump  
2447 River Road.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1940

8. The depth of water table. 25 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 4 inch pipe - 20 feet

10. The estimated amount of groundwater withdrawn each year. 350,000 gallons 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.  
B1 - P. 137 - Line 13

Signature of Owner Donald T. Connick  
Shirley M. Connick

Date December 22, 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. 15280

SAPI dpuvrtt oppi

gtrnm 194 2ndlp-ell

Witsonob x nottdpvyi - 200 ell  
Stannod M psinde x T blonst  
2ndq ystoll

hndt psvyri filus

Pr 21 22 W W

1954 22 - 2414 dom A

1954 22

1954 22 - 2414 dom A

2414 dom A

1954 22 - 1954

709

15 118  
SAP 1954 79 DM 99

I received and filed this instrument for record on the 24th day of Aug 1954 at Missoula County, State of Montana. Witness my hand: Martin S. Brinke County Recorder. Fee \$ 2.00 Paid

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

T. 13N R. 19W

20

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

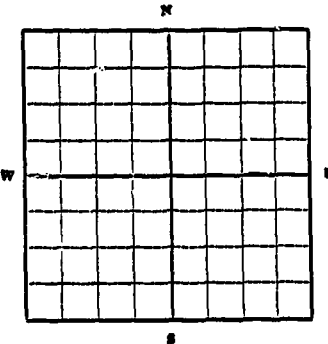
RECEIVED  
JAN 3 1964

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

STATE ENGINEER

1. Margaret M. & Kenneth A. DeVoss, of 604 Eaton St., Missoula, 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:



1/4 Sec. 20, T. 13N R. 19W

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

- 2. The beneficial use on which the claim is based Household and lawn
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1951 continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 300 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 Lot 1 Stahl Addition Missoula, Mont. Margaret M. & Kenneth A. DeVoss
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump 604 Eaton St. Missoula, Mont.

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1951
- 8. The depth of water table about 22 feet
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of other works for the withdrawal of groundwater 4 inch casing 60 foot depth
- 10. The estimated amount of groundwater withdrawn each year unknown
- 11. The log of formations encountered in the drilling of each well if available Well drilled by a Mr. Newby of Arlee, Mont.
- 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 M. A. DeVoss

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.

20102

981

2154 JS

I received and filed this instrument for  
 record on the 31<sup>st</sup> day of Dec 1957  
 at 10<sup>15</sup> o'clock P.M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 MARTIN S. BEHNER, County Recorder  
 By *Walter J. Helm* Deputy  
 Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDER & PUBLIC CLERK  
 200 N. 1<sup>st</sup> ST.  
 MISSOULA, MONTANA

20

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

T. 13N R. 19W

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1964

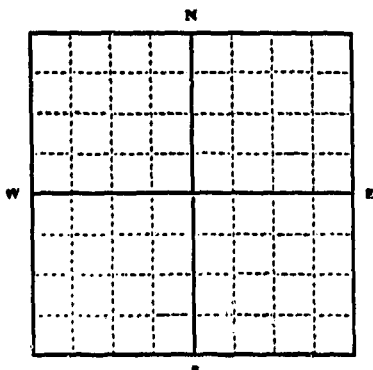
Declaration of Vested Groundwater Rights  
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Gilbert Dodgson, of 1926 River Road 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:



N1/4 Sec 2 R. 19W

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 and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1949

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 120 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 West 194' lot 6 Cobbens & Dinsmore Orchard Home #2

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1949

8. The depth of water table 22' 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 4" drilled well 50' deep from bottom of 6' pit.

10. The estimated amount of groundwater withdrawn each year 63,072,000 gals.

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

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

Signature of Owner Gilbert Dodgson

Date Dec. 27, 1963

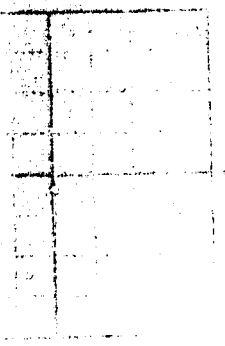
Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 17651

859 215327

I received and filed this instrument for  
recording on the 27th day of Dec 1863  
at 9 1/2 o'clock A.M. permanent filed  
of Winnebago County, State of Wisconsin  
Witness my hand  
M. S. [Signature] County Recorder  
By [Signature] Deputy  
Fee \$ [Signature] Paid



1861  
[Faint, mostly illegible text, possibly a list or index of records]

20

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

T. 13N R. 19W.

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1964

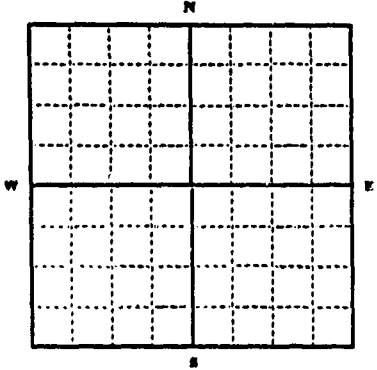
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Gilbert Dodgson, of 1926 River Road 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:



NW 1/4 NE 1/4 Sec 20 T. 13N R. 19W

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

2. The beneficial use on which the claim is based used for drinking and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept. 1956 continuous use since above date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 150 gals per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof approximately 3 acres in lot 6- west 194' ft. Cobbin & Dinsmore Orchard House #2

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 5 hp. electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater September 1956

8. The depth of water table 22 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 driven well 2 6" casing 50' deep from top of ground

10. The estimated amount of groundwater withdrawn each year 78,840,000 gals.

11. The log of formations encountered in the drilling of each well if available not available Berkley drove this well

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

Signature of Owner Gilbert Dodgson  
Date Dec. 27, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 17652

860 215328

I received and paid this instrument for  
recording on 2/16/19 at the 163  
rd clock M., permanent files  
of Missouri County, State of Missouri  
Witness my hand:  
MARTIN B. BERING, Deputy Recorder  
By *Martin B. Bering* Deputy  
Fee \$ 2.00 Paid



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

T. 13N. R. 19W. 20

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

County MISSOULA

RECEIVED  
JAN 3 1964

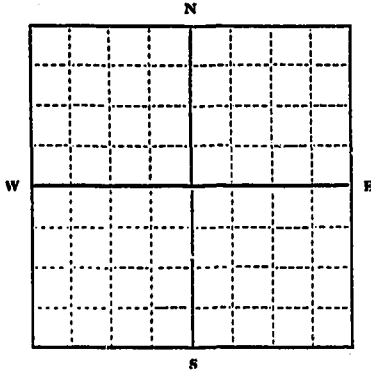
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Sess. Laws, 1961)

1. GEORGE O. DOHERTY, of 2301 RIVER RD. 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. T. R.

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

E 125' of Lot 20 of CEBBAN and DINSMORES ORCHARD HOMES IN MISSOULA COUNTY, MONTANA

- The beneficial use on which the claim is based HOME USE + Sanitation Purposes.
- Date or approximate date of earliest beneficial use; and how continuous the use has been ABOUT 1950 — Continuous EVER SINCE
- The amount of groundwater claimed (in miner's inches or gallons per minute) unknown
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof ONE ACRE HOME + GARDEN PLOT + LAWN. OWNER: G.O. DOHERTY
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ELECTRIC WELL PUMP (JACUZZI) IN BASEMENT OF HOME.

- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater ABOUT 1950.
- The depth of water table UNKNOWN
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater ABOUT 30 to 50 FEET DEEP, I BELIEVE
- The estimated amount of groundwater withdrawn each year unknown
- The log of formations encountered in the drilling of each well if available not available.
- 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 known.

Signature of Owner George O. Doherty  
Date 12/31/1963.

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.

2158

I received and filed this instrument for  
 record on the 11 day of Dec 1968  
 at 5:56 o'clock P. M., permanent files  
 of Missoula County, State of Montana

Witness my hand and seal  
 By Mrs. J. [Signature] Recorder  
[Signature] Deputy  
 Fee \$ 2.00 Paid

RECORDED  
 MISSOULA COUNTY, MONTANA  
 DECEMBER 11, 1968  
 11:58 AM  
 \$2.00 PAID

File No. ....

MAY 26 1967

T. 13 R. 19 20

DUPLICATE

Bill: \_\_\_\_\_ County: Missoula  
 Butcher: \_\_\_\_\_  
 Coy.: \_\_\_\_\_ STATE OF MONTANA  
 Bar: \_\_\_\_\_ ADMINISTRATOR OF GROUNDWATER CODE  
 Dickert: \_\_\_\_\_ OFFICE OF STATE ENGINEER

LOG

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

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

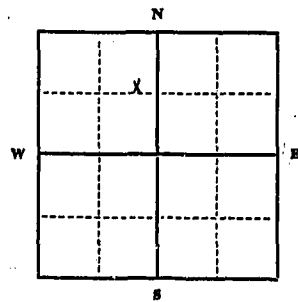
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0-6 Top soil & Gravel Owner: Bill A. Evans Address: Curtis & River Rd.  
 6-21 Rock and gravel Driller: Glenn Camp Address: 1522 S. 14th Missoula, Montana  
 21-23 Sand Date of Notice of appropriation of groundwater.....  
 23-30 Sand, rock, gravel Date well started: May 20, 1965 Date completed: May 23, 1967  
 30-41 Gravel - ~~water~~ water Type of well: Drilled Equipment used: Churn Drill  
 (Dug, driven, bored or drilled) (Churn drill, rotary or other)  
 41-49 Gravel - out of water Water use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other   
 49-58'5" Gravel & water

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	2' above G.L.	60' 5" from top of pipe	none		



Static Water Level for non-flowing well .....16.....feet.  
 Shut-in Pressure for Flowing Well.....  
 Pumping Water Level.....26.....feet  
 with 100' drawdown gal. per minute.  
 Discharge in gal. per min. of flowing well .....  
 How Tested..... compressor.....  
 Length of Test..... 1 hr. 45 min......

SE 1/4 7 E. 127 Sec. 22. T. 13. R. 19  
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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

(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

42,026 #626

260 959

I received and filed this Instrument for  
 record on the 24 day of May 19 67  
 at 11.7 o'clock P.M. permanent files  
 of Missoula County, State of Montana.  
 Witness my hand:  
 Veronae R. Crouse, County Recorder  
 By Norathy L. Reed, Deputy  
 Fee 3.00, ad. Paid cash


How to copy - Reader's file

Preparation in copy has been made of copies

of the original instrument and the same

are being made available to the public

for their use.

Very truly yours,

Veronae R. Crouse

County Recorder

Missoula, Montana

May 24, 1967

11.7 P.M.

260 959

24 May 1967

11.7 P.M.

260 959

24 May 1967

11.7 P.M.

260 959

24 May 1967

11.7 P.M.

260 959

24 May 1967

11.7 P.M.

260 959

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

T. BN 194 <sup>20</sup>

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

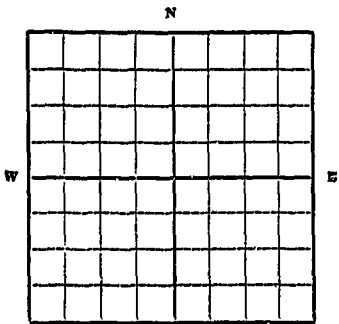
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1963) STATE ENGINEER

*Doris M. Cairclough*

1. *Arnald Cairclough* of *1801 Wyoming 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:



*Riverside Aard. r thru 5-  
Block 2. Lots 6 " 10  
1/4 Sec. 20 T. 20 N. R. 19 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 *Household irrigation & lawns*
- 3. Date of approximate date of earliest beneficial use; and how continuous the use has been *1910 approx. constant use*
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) *100 gals. 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, garden, & pasture 2 acres*
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal *pumps*

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *not available*
- 8. The depth of water table *13 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 *1 - 75 feet 6" casing*
- 10. The estimated amount of groundwater withdrawn each year *2,500,000 gals*
- 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 available*

Signature of Owner *Doris M. Cairclough*  
Date *Dec 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.

574

214876

*Copy*  
 I received and filed this instrument for  
 record on the 21 day of Dec 1965  
 at 10:52 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 RECORDS  
 100 WEST WASHINGTON  
 MISSOULA, MONTANA 59801  
 TEL. 838-2111




# 2221

312310

I received and filed this instrument for  
record on the 31 day of Jan 1972  
at 1:00 o'clock P.M. permanent files  
of Missouri County, State of Missouri  
Witness my hand  
Thomas A. Cross, County Recorder  
By *Henry J. Hurdell* Deputy  
Fee \$2.00



20

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

T. 12N R. 19W

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964  
STATE ENGINEER

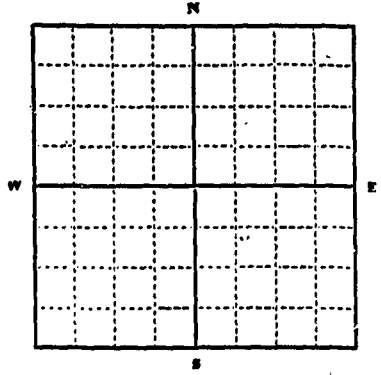
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James L. & Lois P. Futch, of 115 N. Catlin, Rt. 2, 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 20 T12N R19W

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 1945
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12-2/3 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 About 1 1/2 acres in Riverside Addition, Block 22
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump on Lot 1, south side of residence,

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1945

8. The depth of water table 50 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 8" steel casing, drilled well, 57' deep.

10. The estimated amount of groundwater withdrawn each year 8,750,000 gallons

11. The log of formations encountered in the drilling of each well if available None 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 Lois D. Futch  
James L. Futch

Date Dec. 30, 1963

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

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

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

19973

773 215181

I received and filed this instrument for record on the 22<sup>nd</sup> of 1923 at 12:00 o'clock P.M., permanent files of Missoula County, State of Montana. Witness my hand: M. S. BENNER, County Recorder. By: [Signature] Deputy. Fee \$ 2.00 Paid.

18-13 0-1. del. 1916

PLACED IN CLASS IN MISCELLANEOUS

RECORDED IN MISCELLANEOUS

RECORDED IN MISCELLANEOUS

RECORDED IN MISCELLANEOUS

RECORDED IN MISCELLANEOUS

File No.

T. R. 134 R. 19

DUPLICATE

County

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

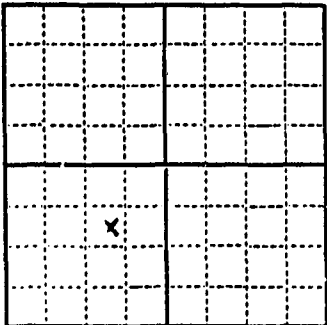
RECEIVED  
JAN 3 1963

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

1. Karl R. Gerdes of 315 So. Curtis St., 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:

Curtis & Majors, Sup Lot 7



2. The beneficial use on which the claim is based none

3. Date or approximate date of earliest beneficial use; and how continuous the use has been September, 1941 not continuous since then

4. The amount of groundwater claimed (in miner's inches or gallons per minute) our pump is capable of pumping 250 gallons per hour

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal N.E. 1/4 Sec. 12, T. 12, R. 19  
none

N.E. 1/4 Sec. 12 T. 12 R. 19

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater September, 1941

8. The depth of water table about 10 feet about 30 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled well, 4-inch pipe, about 40 feet

10. The estimated amount of groundwater withdrawn each year ordinary home use

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 none available

Signature of Owner Karl R. Gerdes  
Date Jan. 31, 1963

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

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

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

20373

DISTRICT

1254

Copy  
 I received of the instrument for  
 record of the office of Dec. 1963  
 of Montana County, State of Montana permanent files  
 Witness my hand: County Recorder  
 By Martin J. Baker Deputy  
 Paid

20

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

T. 13<sup>N</sup> R. 19<sup>W</sup>

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

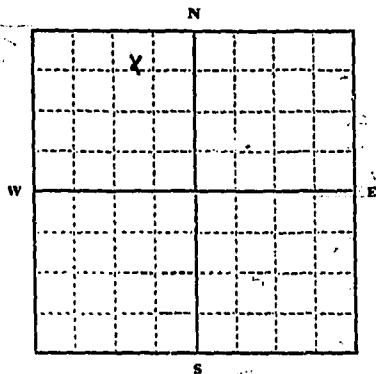
RECEIVED  
JAN 3 1963

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. John George Betty, of 2204 River Road 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 NW Sec. 20 T. 13 R. 19

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 local stock watering irrigating

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1900, constant

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 inch per acre or 50 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  
5 acres  
C. W. Orchard Home Sec 27

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal gump  
cellar  
NE 1/4 NW Sec 20 T 13 R 19

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater about 1900

8. The depth of water table 40 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 5 in casing - 40 ft drilled well

10. The estimated amount of groundwater withdrawn each year 500,000 gallons 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 none to my

Signature of Owner John George Betty  
Date 12/31/63

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

Please answer all questions. If not applicable, so state, otherwise this 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.

20248

1128

I received and filed this instrument for  
record on the 19 day of Dec 1963  
at 5:24 o'clock PM, permanent files  
of Missoula County, State of Montana  
Witness my hand:  
By Marta J. Fisher Deputy Recorder  
Fee \$ 2.00 Paid

MISSOULA COUNTY CLERK'S OFFICE  
MISSOULA, MONTANA

20

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

T. 13 N. R. 19 W

DUPLICATE

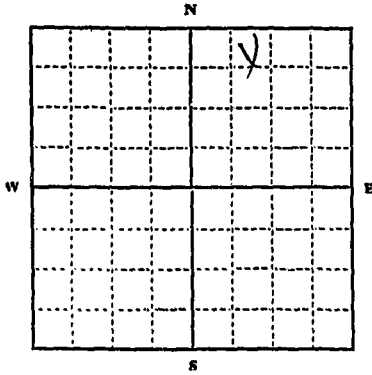
County MISSOULA

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECORDED  
JAN 3 1963  
STATE ENGINEER

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

1. Edman J. Idait of 1657 Remier Road 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:



West half NE 1/4 Sec. 20, T. 13 N. R. 19 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 pasture & garden
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous for last 16 years
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 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 approx. 1/4 of acre around house of Edman J. Idait
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal one electric pump on E. side of house

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June - 1947
- 8. The depth of water table 18 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, 42 feet deep, withdrawn through 4 inch pipe.
- 10. The estimated amount of groundwater withdrawn each year 251,375
- 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 Abstract of Title, Vol. Book 16 of deeds at page 35, records of Missoula county.

Signature of Owner Edman J. Idait  
Date 12.3.63

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. 20426

1707

*copy*  
I received and filed this instrument for  
recording on the 27<sup>th</sup> day of *Dec* 19*33*  
at *Butte* Clerk's Office, permanent files  
of Missoula County, State of Montana  
Witness my hand:  
By *[Signature]* County Recorder  
*[Signature]* Deputy  
Fee \$ *2.00* Paid



ADDENDUM

Form:  Declaration of Vested Groundwater Rights

Notice of Completion of Groundwater  
Appropriation by Means of Well

Name of  
owner: Norman + Helen Hait

Corrected  
land description: 1/4 NW 1/4 NW 1/4 SE  
Sec. 20 T. 13 N. R. 19 W

Initials: CS

File No. ....

DUPLICATE

T. 13 N R. 14 W 20  
County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

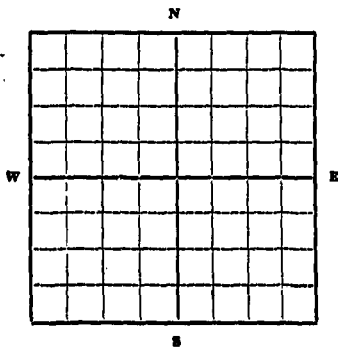
RECEIVED  
JAN 3 1964

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

STATE ENGINEER

1. Norman & Helen J. Hatt of 320 South Davis St. 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. T. 13 N R. 14 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 household use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 1946 and every day & night since

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 none  
C.D. No. Plat 15-1 pt. 6 of 11  
Dunes, Norman & Helen J. Hatt

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 1946

8. The depth of water table 16+ 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 40 foot deep well

10. The estimated amount of groundwater withdrawn each year 725,000 gallons

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Location of lands recorded in Book 140 of Deeds on page 172 of the Records of the County of Missoula State of Montana

Signature of Owner Norman Hatt  
Helen J. Hatt

Date Dec. 31, 1963

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

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

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

1225

DEPARTMENT  
MAY 20

RECORDS SECTION  
COUNTY RECORDER  
MONTANA

*Copy*  
I received and filed this instrument for  
record on the 31st day of Dec. 1962  
at Helena, Mont., permanent files  
of Missoula County, State of Montana  
Witness my hand  
By *Walter S. Belner* County Recorder  
Per *S. B.* Deputy Paid

Notarially certified by the County Recorder of Missoula County, Montana, on this 31st day of December, 1962.

20

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

T. 13<sup>N</sup> R. 19<sup>W</sup>

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964

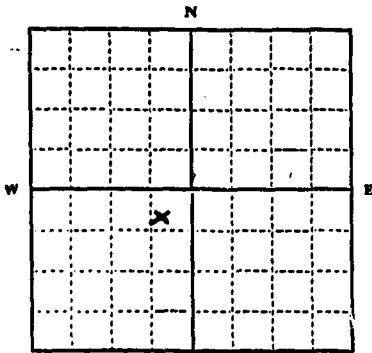
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. HARRY HANSEN, of 2045 CURTIS 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 SW Sec 20 T. 13 R. 19

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 use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1958 ever since

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. LAWN 50 x 100 HARRY HANSEN

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Well on 2045 Curtis NE 1/4 SW 1/4 Sec 20 T. 13 R. 19

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1958

8. The depth of water table. 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. 6" pipe 75 ft deep Camp well drilled

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 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 Harry Hansen

Date Dec 31, 1963

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

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

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

20308

1189

DISTRICT

*Copy*  
 This is a copy of the permanent file  
 of the *710-314* of *Nov. 1963*  
 of the *State of Georgia*  
*RECORDED*  
 By: *M. Baker* County Recorder  
 Fee *2.00* Paid

Department of Archives  
 State of Georgia  
 100 North Decatur Street  
 Atlanta, Georgia 30303

20

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

T. 13<sup>N</sup> R. 19<sup>W</sup>

DUPLICATE

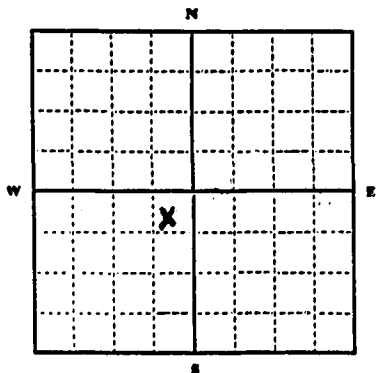
County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964

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

1. HARRY HANSEN of 218 S. CURTIS 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 SW Sec. 20 T. 13 R. 19

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

- 2. The beneficial use on which the claim is based. House hold lawn
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1939 ever since
- 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. lawn 50' x 50' HARRY HANSEN
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. well No. 7 SW Sec. 20 T. 13 R. 19
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1939
- 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. monitoring well 6 ft deep, 6 pipe, etc.
- 10. The estimated amount of groundwater withdrawn each year. unknown
- 11. The log of formations encountered in the drilling of each well if available. unknown
- 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 Harry Hansen  
Date Dec 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 20309

1190

I received a <sup>copy</sup> of this instrument for  
record on the 31<sup>st</sup> day of Dec. 1906  
at Allouez, Wis., permanent files  
of Lincoln County, State of Montana  
Witness my hand:  
By Maxwell S. Behr County Recorder  
Fee \$2.00 Paid

ADDENDUM

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

Name of  
owner: Dennis F. Harrington

Corrected  
land description: 1/4 SE 1/4 NE 1/4 NW  
Sec. 20 T13N R19W

Initials: CS



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

T 13<sup>N</sup> R 19<sup>W</sup> 20<sup>E</sup>

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RF  
JAN 3 1964  
STA.

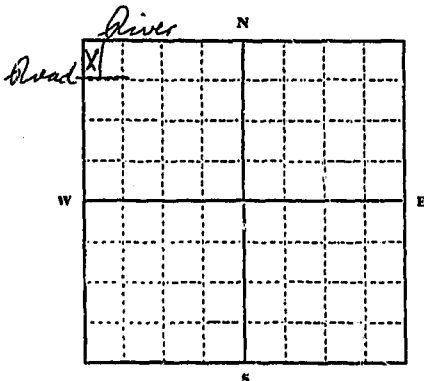
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1 Dennis Frank Harrington, of 2010 River Rd. 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. 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 For household use only

3. Date or approximate date of earliest beneficial use; and how continuous the use has been I don't know when well was drilled, have used it continuously since I came here.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) I don't know

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used for irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well located near house, use 1/2 hp pump for withdrawing water

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater I don't know

8. The depth of water table I don't know

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 I own well with 8" casing approximately 40 ft deep

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

11. The log of formations encountered in the drilling of each well if available Have no idea

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.

771 Deeds, page 375  
75 Const. & Agr. page 213

Signature of Owner Dennis Frank Harrington

Date Dec 23, 1963

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

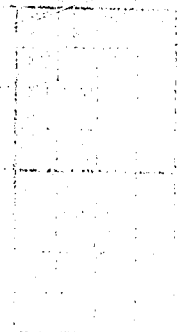
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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.

20004

865 215213

I received and filed this instrument for  
record on the 20 day of Dec 1923  
at 7:30 o'clock P.M., permanent files  
of Helena County, State of Montana  
Witness my hand:  
S. BEVIER, County Recorder  
By *Matt & Behr* Deputy  
Fee \$... Paid



*[Faint, illegible handwritten text]*

*[Faint, illegible handwritten text]*

*[Faint, illegible handwritten text]*

*[Faint, illegible handwritten text]*

*[Faint, illegible handwritten text]*

20

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

T 15 N R 19 W

DUPLICATE

County \_\_\_\_\_

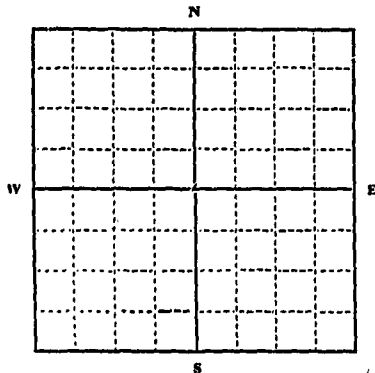
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Clarence W Hawker of 1629 Idaho Missoula, 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:



1/4 Sec. 20 T. 13 N. R. 19 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 Household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been No well at present time

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approximately 4 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 None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Don't know when will be needed

8. The depth of water table probably around 50 or 60 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Probably 4 to 6 inch casing

10. The estimated amount of groundwater withdrawn each year probably about 700 to 500 thousand gallon

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 Abstract # 5128

Signature of Owner Clarence W Hawker

Date Dec. 31, 1963

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

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

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

20435

1315

I received and filed this instrument for  
record on the 11<sup>th</sup> of Dec 1967  
at 905 o'clock P, permanent files  
of Missoula County, State of Montana  
Witness my hand:  
By [Signature] County Recorder  
[Signature] Deputy  
Fee \$ 1.00 Paid

20

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

T. 13<sup>N</sup> R. 19-West

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964

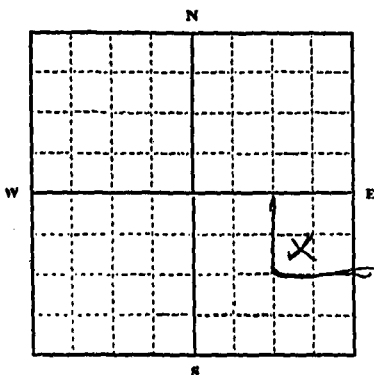
Declaration of Vested Groundwater Rights  
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Ray A. Hawley, of 235 Cathin St. - 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. 20 T. 13 R. 19 W

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

N 1/2 SE 1/4  
400' x 100'  
PLAT 8

2. The beneficial use on which the claim is based.  
Domestic and lawns

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.  
Drilled in Sept. 1955  
Used continuously after Nov

4. The amount of groundwater claimed (in miner's inches or gallons per minute).  
10 gallons 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.  
One half acre of lawns  
Ray A. Hawley

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
Jet Pump  
by the Right Rear Side of  
house

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

8. The depth of water table.  
20 to 40 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 - 4 inch - 42 feet

10. The estimated amount of groundwater withdrawn each year.  
1 million gallons

11. The log of formations encountered in the drilling of each well if available.  
0'-20' Sand Gravel & Cobblestones - Mixed with Clay  
20'-40' Sand Gravel & Water  
40'-45' coarse Gravel, Rocks & Boulders with water

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

Signature of Owner Ray A. Hawley

Date Dec. 31, 1963

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

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

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

20295

276

I received and filed this instrument for  
record on the 21 day of Dec 1963  
at 6:15 o'clock P. M., permanent files  
of Missoula County, State of Montana  
Witness my hand:  
By: Edith Lane County Recorder  
Fee \$ 2.00 Deputy Paid

20

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

T. 13<sup>N</sup> R. 19<sup>W</sup>

DUPLICATE

County \_\_\_\_\_

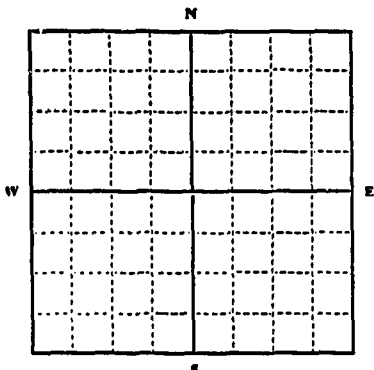
STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

RECEIVED  
 JAN 3 1963

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

1. Lee E. & Evelyn Heits, of 1700 Wyoming St., Missoula, Mont.  
 (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. 20, T. 13, R. 19

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... May 10, 1951, as replacement for earlier well. In continuous use since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 16 2/3 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... About 21 acres in Riverside Addition Block 18 owned by Lee E. & Evelyn Heits

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... Electric pump, lot 16 or 17, west side of residence.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... May 10, 1951

8. The depth of water table... 22 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... 4" steel casing in drilled well, 49' depth

10. The estimated amount of groundwater withdrawn each year... 1,000,000 gals.

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

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

Signature of Owner... Evelyn Heits

Date... Dec 30 1963

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

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

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

19947.

947

215 155

*Copy*

I received and filed this instrument for record on the 30 day of Dec 1900 at 1:30 o'clock P.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

RECORDED IN DISTRICT COURT

IN THE YEAR 1900

TO THE PUBLIC RECORDS

TO THE PUBLIC RECORDS



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

T. 13 R. 19 20

DUPLICATE

STATE WATER CONSERVATION BOARD

County Missoula

LOG

FEB 20 1967

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 8' Sand & Gravel

8' to 14' Gravel, cobble stones & Clay

14' to 16' Sand, gravel & water

16' to 22' Clay & cobblestones

22' to 31' Gravel & water

31' to 43' Clay & gravel

43' to 54' Sand, gravel

& silty water

54' to 59' Gravel & water.

Owner Stanley Hendrickson Address R. IVER Road

Driller Glenn Camp 205 Alder Address Missoula, Mont

Date of Notice of appropriation of groundwater \_\_\_\_\_

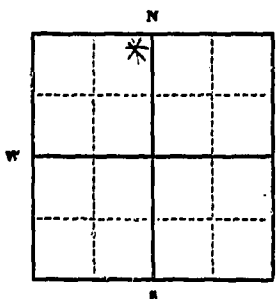
Date well started 10/18/65 Date completed 10/27/65

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 Size	From (Feet)	To (Feet)
6"	6" I.D.	1'10" above				
	17#	G.L. to 58'-7"		none		



Static Water Level for non-flowing well 19' feet.

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

Pumping Water Level 21' feet at 36 gal. per minute.

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

How Tested Compressor 40 G.P.M.

Length of Test 1 hour

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

N E 1/4 NW 1/4 Sec 20 T. 13. R. 19  
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

#1683

258048

I received and filed this instrument for  
 record on the 16 day of Feb. 1967  
 at 1:20 o'clock P.M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand.  
 Veramoc D. C. Cass County Recorder  
 By Debra W. Manning Deputy  
 Fee \$ 2.00 Paid


Disposition of copy not made in Bureau of  
 Land Management  
 Date of Disposition  
 Name of Disposition

File No. ....

T. 13N R. 19W

DUPLICATE

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

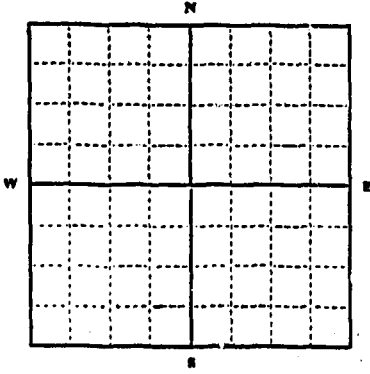
RECEIVED  
JAN 3 1965  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. WARREN K. HEYER and ESTHER HEYER, of 2401 S. 3rd Street 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:



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 domestic and irrigation.
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been since 1948 continuously.
- 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 A tract of land situated in Lot 3 of Fraehelmer's Addition, a platted subdivision in Missoula County, Montana, according to the (Description continued on back)
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Drilled well located in house.

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

WARREN K. HEYER and ESTHER HEYER  
Signature of Owner by  
Their Attorney and Agent  
Date December 30, 1965.

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.

20038

(Continuation of description)

official recorded plat thereof, which is particularly described as:

Beginning at the northeast corner of said Lot 3 and running thence south along the east line of said Lot a distance of 140 feet; thence running west and parallel with the north line of said Lot a distance of 120 feet; thence running north and parallel with the east line of said Lot a distance of 140 feet to a point on the north line of said Lot 3; thence running east along the north line of said Lot 3 a distance of 120 feet to the northeast corner thereof and place of beginning.

Recorded	9/10/20	Document No.	1246
Record of Title	1246	Book	1246
of Missouri		Page	1246
of Missouri		City	St. Louis
of Missouri		County	St. Louis
of Missouri		State	Missouri
of Missouri		Year	1920

838 215246

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner ARTHUR W. WIEDRICH  
Address 2026 South West File 327236  
Missoula, Mont. Date Jan. 23, 1973  
Date well started 10/20/72 GW 1 3:30 p.m.  
completed 10/21/72

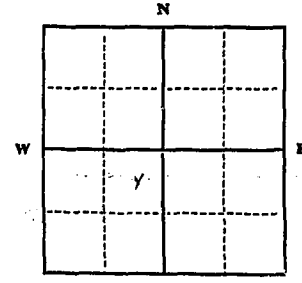
For Administrator's Use  
Date Jan. 23, 1973  
GW 1 3:30 p.m.

Type of well DRIVEN  
(Dug, driven, bored or drilled)  
Equipment used PIPE DRIVER  
(Churn drill, rotary or other)  
Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other  Garden/Lawn

\*Describe Well to supply Home & TRAILER SITS  
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 APPROX 40-45 gpm

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>5"</u>	<u>SCH 40</u>	<u>+2</u>	<u>-85'</u>	<u>1/2" LOTS</u> <u>4" LONG</u>	<u>30'</u>	<u>85'</u>



S 1/2 S E 1/4  
SE 1/4 SW 1/4 Sec. 20  
T. 13 N. R. 18 E.  
Low's Addn. Lots 17-18 BIK 18  
Benny's Addn. Lots 15-16 BIK 18

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

Driller's Signature George L. Stimpel  
Driller's Address Route 1 Big Flat  
Western Drilling & Excavating LICENSE NO. 238

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>10</u>	<u>GRAVEL &amp; SAND</u>
<u>10</u>	<u>18</u>	<u>CLAY &amp; ROCK (HARD PAN)</u>
<u>18</u>	<u>24</u>	<u>SAND &amp; GRAVEL</u>
<u>24</u>	<u>34</u>	<u>CLAY (HARD PAN)</u>
<u>34</u>		<u>WATER LEVEL</u>
<u>34</u>	<u>44</u>	<u>SAND</u>
<u>44</u>	<u>46</u>	<u>HARD PAN (CLAY)</u>
<u>46</u>	<u>49</u>	<u>SAND &amp; GRAVEL</u>
<u>49</u>	<u>51</u>	<u>CLAY</u>
<u>51</u>	<u>60</u>	<u>SAND</u>
<u>60</u>	<u>61</u>	<u>CLAY</u>
<u>61</u>	<u>63</u>	<u>SAND</u>
<u>63</u>	<u>65</u>	<u>CLAY HARD PAN</u>
<u>65</u>	<u>75</u>	<u>SAND &amp; GRAVEL</u>
<u>75</u>	<u>80</u>	<u>CLAY (HARD PAN)</u>
<u>80</u>	<u>85</u>	<u>CLEAN GRAVEL</u>

85' Show exact depth of bottom



20

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

T. 13 N. R. 19 W.

DUPLICATE

County Missoula

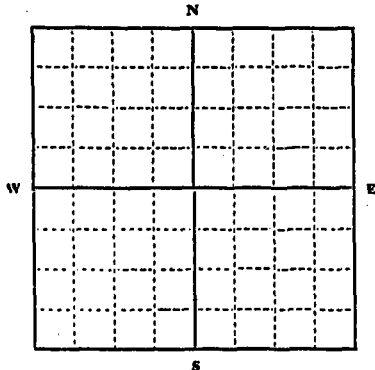
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1 Julian E. - Viola F. Hughes of 2300 Riverroad, Missoula, Mont.  
(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 20 T. 13N R. 19W

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 water, lawn irrigation, water for horses, cattle, irrigation for 5 acres.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1957, everyday, and also at night.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 100 gals. per min. or 6 inches of water

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.  
~~XXXXXX~~ SE 1/4 Section 18 or 20  
Township 13 N. Range 19W Lot 28  
Cobban Adinsmores orchard Homes No. 1  
Missoula, Montana

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1957, 1964 another well will be put in center of pasture or center of 5 acres. if not built in 1964 it will be built.

8. The depth of water table. 50 to 100 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 1- 8" casing from 50 to 100 Ft deep, 1- 10" casing from 50 to 130 Ft deep.

10. The estimated amount of groundwater withdrawn each year. millions of gals.

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 available

Signature of Owner *Julian E. Hughes*  
*Viola F. Hughes*

Date 12-31-63

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

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

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

20393

1274



Copy

I received and filed this instrument for  
 record on the 1st day of Dec. 1963  
 at Butte, in permanent files  
 of Butte County, State of Montana  
 Witness my hand  
 By Walter D. Palmer Deputy  
 County Recorder  
 Fee \$2.00 Paid



This document is a copy of a document recorded in the public records of the State of Montana. It is not a certified copy.



STATE WATER CONSERVATION BOARD

T. 13 R. 19

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

JUN 1 1967

County Missoula

DUPLICATE

LOG

Billie \_\_\_\_\_ Mc Dermott \_\_\_\_\_  
 Byrdson \_\_\_\_\_ McNulty \_\_\_\_\_  
 Coyle \_\_\_\_\_ Mutton \_\_\_\_\_  
 Darlington \_\_\_\_\_ Sullivan \_\_\_\_\_  
 Dickert \_\_\_\_\_

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' Dug pit  
 6' to 12' Sand, gravel,  
 with cobblestones  
 12' to 18' Clay, gravel  
 & cobblestones  
 18' to 29' Sand, gravel  
 & water  
 29' to 38' Clay, gravel  
 & boulders  
 38' to 43' Sandy clay  
 43' to 48' Clay, gravel  
 and a little water  
 48' to 52' Gravel & water

Owner E.C. Hutton JR. Address 1824 River rd

Driller Glen Camp 705 Alder Address Missoula

Date of Notice of appropriation of groundwater \_\_\_\_\_

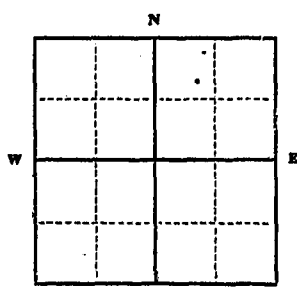
Date well started 1/6/66 Date completed 1/8/66

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 (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6"	6" I.D.	3' below G.L.	to 48'	None		
	17# to foot					



Static Water Level for non-flowing well 24 feet.

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

Pumping Water Level 24 feet at 60 gal. per minute.

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

How Tested Compressor

Length of Test 1 hour

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

*Cabban & Dinmore's # 2*

1/4 Sec. 20 T. 13 R. 19  
 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

*Glen Camp*  
Driller's Signature

42,035

171° 261095

I received and filed this instrument for record on the 27 day of May 1967 at 1:00 o'clock P.M., permanent files of Missoula County, State of Montana  
Witness my hand:  
Verance R. Ciguse, County Recorder  
By *[Signature]* Deputy  
Fee \$ 2.00 *[Signature]*

MISSOULA COUNTY, MONTANA  
RECORDED  
MAY 27 1967  
1:00 P.M.


MISSOULA COUNTY, MONTANA  
RECORDED  
MAY 27 1967  
1:00 P.M.

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

T. 13N R. 19W 20

DUPLICATE

County \_\_\_\_\_

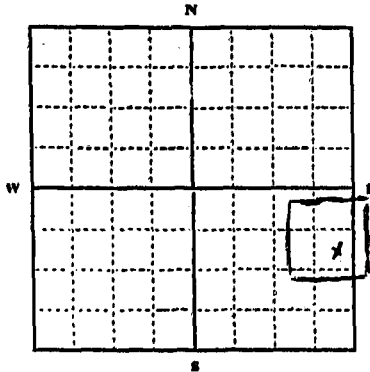
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Intermountain Lumber Company, of Box 337, 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:



Missoula, Sec. 20 T. 13N R. 19

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 Industrial  
fire protection and mfg. purposes.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1960, continuous since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1200 GPM

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal deep well,  
Missoula, Sec. 20, T 13, R 19 NW

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1960

8. The depth of water table approx. 80'

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 well, electric pump, 10" casing

10. The estimated amount of groundwater withdrawn each year 200 MM gal.

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

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

INTERMOUNTAIN LUMBER CO  
Signature of Owner Henry S. Pennington  
Date 12/31/63

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

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

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

20131

1011

215485

I received and filed this instrument for  
record on the 31 day of Nov, 1963  
at 2:22 o'clock P. M., permanent files  
of Missoula County, State of Montana  
Witness my hand:  
MARTIN S. BEHNER, County Recorder  
By Martin S. Behner Deputy  
Fee \$ 5.00 Paid

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

T. 13 N. R. 19 W

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

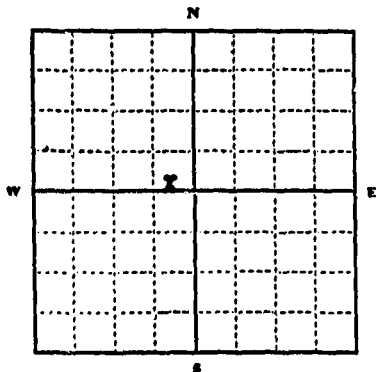
R  
JAN 3 1963

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Kenneth Iverson, of 110 North Curtis, Missoula, 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. 20 T. 13 N. R. 19 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.....

Home, stock and irrigation

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

Homesteaded in 1886  
Divided in lots in 1911, continuous since then.

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

unknown

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 16, 5 acres, Kenneth Iverson

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

1 well near house.  
Electric pump

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

Redrilled in 1941,

8. The depth of water table.....

80 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.....

Electric pump, 80-foot depth, 8" casing.

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

unknown

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

Gravel and sand

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

Signature of Owner

*Kenneth Iverson*

Date 12/31/63

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

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

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

1131

I received and filed this instrument for  
record on the 21<sup>st</sup> day of July 1965  
at 5:28 o'clock P.M., permanent files  
of Masonia County, State of Alabama  
Witness my hand  
By Maite S. [Signature] Deputy Recorder  
Fee \$ 2.00 Paid

ADDENDUM

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

Name of  
owner: Ellen H. Johnson

Corrected  
land description: 1/4 NE 1/4 SW 1/4 NW  
Sec. 20 T 13N R 19W

Initials: CS

304 N. Davis

GW 2 GW-4

Approved Book Form—State Publishing Co., Helena, Montana—405

File No. ....

T 13R 19 200

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODES  
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Ellen H. Johnson Address 304 North Davis

Driller Not Known Address \_\_\_\_\_

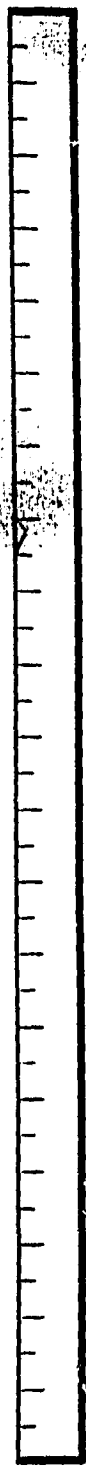
Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started Not Known Date Completed Not Known

Type of well Fluid casing Equipment Used Electric pump  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

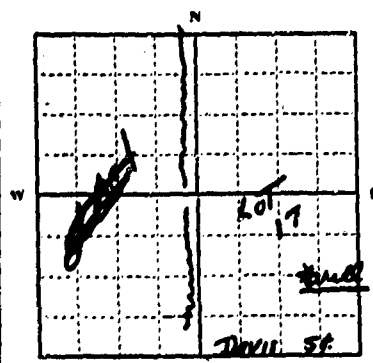
Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock

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 \_\_\_\_\_)

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)



Static Water Level for non-flowing Well \_\_\_\_\_ feet.

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

Pumping Water Level 35' feet at 5 gal. per minute.

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

How Tested \_\_\_\_\_ Length of Test \_\_\_\_\_

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

acres irrigated, if used for irrigation) 5 acres

Well is about 35' to 40'

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

Show exact depth of bottom. 17' 1/2 Driller's Original Notified  
on record Clerk & Recorder office  
Missoula County

Driller's License Number \_\_\_\_\_

Ellen H. Johnson  
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.

20217



1096 215572  
Copy

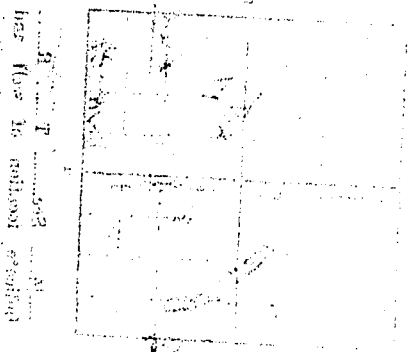
I received and filed this instrument for record on the 21 day of Dec 1963 at 4:52 o'clock P.M. permanent files of Missoula County, State of Montana  
Witness my hand:  
MARTIN S. BEKNER County Recorder  
By Ethel Lane Deputy  
Fee \$2.00 Paid

Missoula County, Montana  
Office of the Clerk of the Board of Commissioners  
Missoula, Montana

OFFICE OF CIVIL ENGINEER  
ADMINISTRATIVE OFFICE  
STATE OF MONTANA  
MISSOULA, MONTANA

MISSOULA COUNTY, MONTANA  
RECORDED  
INDEXED

and should be filed in the permanent files of the County Recorder...  
you file them in the permanent files of the County Recorder...  
to retain a duplicate copy of the instrument...



has been in full force and effect since the date of recording...  
This instrument is subject to the provisions of the...  
of the State of Montana...

ADDENDUM

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

Name of  
owner: John Karlberg

Corrected  
land description: 1/4 NW 1/4 NW 1/4 SE  
Sec. 20 T13N R19W

Initials: CS

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

T. 13NR 19W 20

DUPLICATE

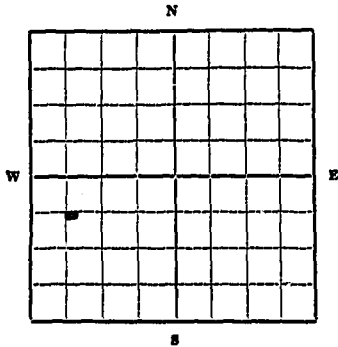
County \_\_\_\_\_

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)

1. John Karlberg, of 304 South Davis St. 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. 2 T. 13NR R. 19W

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 July 1 1957 continuous to date.
- 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 2/3 acre in NW corner of lot 11 of Cobbin and Dinmore's Orchard Homes, Missoula, Montana.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump. Location of well at south east corner of house.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 9 - June 15 1957.

8. The depth of water table 15 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is 43 feet deep, has 1" pipe in 4" casing, Electric Pump.

10. The estimated amount of groundwater withdrawn each year 450,000 gallon.

11. The log of formations encountered in the drilling of each well if available First 6' top soil, gravel and sand; next 28' coars gravel, sand and clay, last 9' in coarse sand and gravel- good water strata.

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 John Karlberg  
Date Dec. 27 1963.

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

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

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

632

214993

I received my *Copy* ~~title~~ instrument for  
 record on the *17* day of *Dec*, 196*8*  
 at *1:30* o'clock *P.*M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 MARTIN S. BRINER, County Recorder  
 By *Martin S. Briner*  
 Fee \$ *6.00*

and has been duly recorded in the permanent files of Missoula County, State of Montana, and the same is hereby certified to be a true and correct copy of the original instrument as the same appears in the permanent files of said county.

RECORDED IN PERMANENT FILES

MISSOULA COUNTY RECORDER

NOV 17 1968

MISSOULA, MONTANA

File No. ....

T 13 N R 19 W

TRIPLICATE

County Missoula

RECEIVED

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

MAR 27 1972

Notice of Appropriation of Groundwater  
(Under Chapter 237, Montana Session Laws, 1961)

MONTANA DEPARTMENT OF NATURAL  
RESOURCES AND CONSERVATION

1. I, Ela W. Kline, of 1228 Center, Missoula  
(Name of Appropriator) (Address) (Town)

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

2. The beneficial use to which water is to be applied is Home Use  
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 40 gpm

4. The annual period (inclusive dates) of intended use All year

5. The probable or intended date of first beneficial use spring 1945

6. The probable or intended date of commencement and completion of the well\* or wells\*

7. The location, type, size and depth of well or wells contemplated 1/4 Sec. 22, T.13N. R.19W

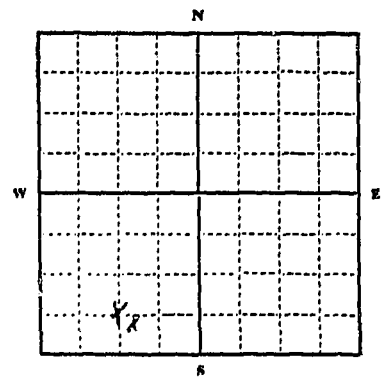
Drilled - 4 inch casing - 50 feet depth

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

9. Name, address and license number of the driller engaged UNKNOWN

10. Give such other similar information as may be useful

in carrying out the policy of this act. Well was in her present location to be constructed by the applicant to enable her to



Doc. No. #2250, 314238  
Filed for record  
this 22 day of March  
A. D. 19 72, at 1:45  
o'clock P.M.

Signature of Appropriator Ela W. Kline  
Date March 22 1972

1/4 Sec. 22, T.13N. R.19W  
Locate well or other means of development as accurately as possible on the plat.

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

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

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

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

59,105

#2250

314238

I received and filed this instrument for  
recording on the 22 day of March 1922  
at 1:45 o'clock P.M. before me  
of Missoula County State of Montana  
Witness my hand  
Vernon R. Coffey, County Recorder  
By *Marie [Signature]* Deputy  
Fee \$ .05 C.M. Paid

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

Owner Eda W. Kline 59801  
Address 122 So. Curtis - Missoula  
Location T. 23N. R. 18W. Sec. 20  
Doc. No. #2250, 314, 238

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

Special Instructions:

Sent 05/23/77

The attached GW-1 ~~form~~ form, Notice of Appropriation of Groundwater is simply a "notice" form, which is filed in advance of the commencing & completion of well construction. Upon well completion a GW-2 form, Notice of Completion of Groundwater Appropriation By Means of Well should be filed.

50,105

20

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

T. 13 N. R. 19 W.

DUPLICATE

County MISSOULA

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

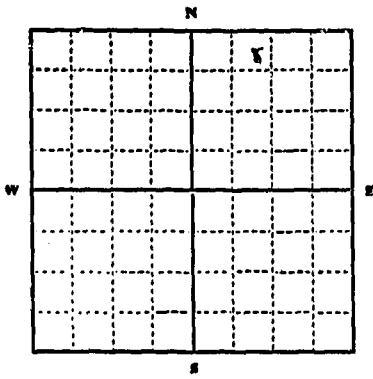
RECEIVED  
JAN 3 1968

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

1. JULIUS R. & SOPHIE V. KONKELL, of 1629 RIVER ROAD 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:



EAST HALF NE 1/4 NE 2 Sec. 20 T. 13 N. R. 19 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. PASSIVE AND GARDEN

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. CONTINUOUS FOR LAST 15 YEARS

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 6 GALLONS PER MINUTE

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. APPROXIMATELY 1/2 ACRE OF LAWN AND GARDEN AROUND HOUSE OF MR. & MRS. JULIUS RAYMOND KONKELL

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. ONE ELECTRIC PUMP LOCATED AT REAR OF THE HOUSE

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

8. The depth of water table. 15 FEET

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. DEPTH 40 FEET DRILLED WELL 6 INCH CASING

10. The estimated amount of groundwater withdrawn each year. 249,175 GALLONS

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

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

Signature of Owner Julius R. Konkell  
Sophie V. Konkell  
Date Dec 31, 1963

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

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

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

20140



1020

215494

I received and filed this instrument  
recorded on the 31<sup>st</sup> day of Dec 1923  
3:24 o'clock P. M. pursuant to file  
of Missouri County, State of Missouri  
Witness my hand  
MARTIN S. BARNER County Recorder  
By Martin S. Barnar Deputy  
Fee \$ 2.00

20

File No. ....

T. 13<sup>N</sup> R. 19<sup>W</sup>

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

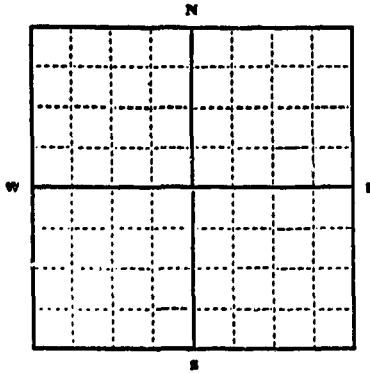
COUNTY MISSOULA  
JAN 3 1963

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Walter F. Konkall, of 1800 Montana Street 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:



1/2 NE 1/4 Sec. 20 T. 13 R. 19 W.M.M.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.  
Legal Description: Lots 1 thru 20, inclusive, Riverside Addition, Missoula County, Montana.

- The beneficial use on which the claim is based domestic water and irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been May 15, 1948. Use has been continuous.
- The amount of groundwater claimed (in miner's inches or gallons per minute) ten 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 Approximately 10,000 square feet (lawnd garden). Lots 1 thru 20, inclusive, Block 9, Riverside Addition, Missoula County, Montana. - Owner Walter F. Konkall
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump Pump located on Lot 20, Block 9, Riverside Addition, Missoula County, Montana
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 15, 1948.
- The depth of water table 18 feet
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4-inch casing, 50 feet deep.
- The estimated amount of groundwater withdrawn each year 200,000 gallons
- The log of formations encountered in the drilling of each well if available Not Available.
- 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 land recorded May 24, 1950 in Book 159 of Deeds, Page 39, as Document No. 90854, records of Missoula County, Montana.

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.

20161

1041

215574

I received and filed this instrument for  
record on the 3<sup>rd</sup> day of Dec 1963  
at 3:51 P.M. permanent file  
of Missoula County, State of Montana  
Witness my hand:  
By Martin S. Rainier County Recorder  
Fee \$ 2.00 Paid

RECORDED

20

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

T 13<sup>N</sup> R 19<sup>W</sup>

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

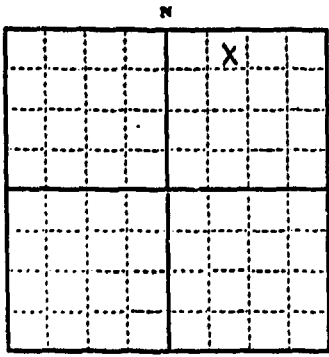
RECORDED  
JAN 3 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. CURTIS P LAFRAY of 2207 1/2 RIVER ROAD 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:



2. The beneficial use on which the claim is based HOME, YARD & GARDEN

3. Date or approximate date of earliest beneficial use; and how continuous the use has been SEPT. 1942  
CONTINUOUS SINCE MAR. 1946

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

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 & GARDEN

CURTIS P LAFRAY

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

NE 1/4 Sec. 20 T13N R19W

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

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

8. The depth of water table UNKNOWN

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 30 FT.

10. The estimated amount of groundwater withdrawn each year UNKNOWN

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 NDA/

Signature of Owner Curtis P Lafray

Date Dec. 30 1963

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

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

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

20006

807 215215

I received and filed this instrument for  
record on the 21<sup>st</sup> day of Dec 1967  
at 9:00 o'clock P.M., permanent files  
of Missoula County, State of Montana  
Witness my hand  
M. J. B. N. E. County Recorder  
By *[Signature]* Deputy  
Fee \$ *2.00* Paid



MISSOULA COUNTY RECORDERS OFFICE  
MISSOULA, MONTANA  
RECORDED  
INDEXED  
DEC 21 1967

RECEIVED

County: Missoula

30

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

JUL 20 1972

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

MONTANA DEPARTMENT OF WATER RESOURCES AND IRRIGATION

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

Developed after January 1, 1962

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

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

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

Owner Curtis P. Ingray

Address 3011 River Rd.

Missoula, Montana.

Date well started 4/6/72

completed 4/9/72

For Administrator's Use	
File #	<u>#2298 - 318528</u>
Date	<u>June 23, 1972 1:44 p.m.</u>
GW	<u>1</u>

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used cable tool

(Churn drill, rotary or other)

Water Use: Domestic  Municipal  Stock  Irrigation

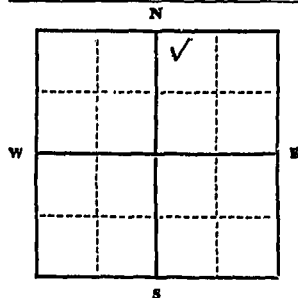
Industrial  Drainage  Other \* Garden/Lawn

\*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)
8 in	8 in I. D. 24.00 per ft.	0	57	none		



Static water level 0 ft of top  
Pumping water level 3 ft of top  
at 0 gallons per minute,  
measured 0 minutes after pumping began.

\*Measured from ground level.  
Well developed by COMPRESSOR  
for 0 hours.

Power 0 Pump 0 HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NW 1/4 NE 1/4 Sec. 20  
T. 13 N. R. 19 E.

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

Driller's Signature [Signature]

Driller's Address 3824 So. Ave. Missoula, Mont

LICENSE NO. 71

Top of Ground		(Elev. above sea level) <u>3,228</u>
From (Feet)	To (Feet)	
0	21	top soil
21	7	course gravel & some sand
7	25	course gravel sand & water
25	29	sand & water
29	43	sand gravel & water
43	48	red clay no water
48	52	sand & water
52	57	gravel & water

Show exact depth of bottom 57

50,759



File No. ....

T. 13<sup>P</sup> R. 19<sup>W</sup>

DUPLICATE

County msl.

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

R  
JAN 3 1964  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Iron F. Leflar

William L. Leflar

of 115 So. Curtis Missoula

(Name of Appropriator)

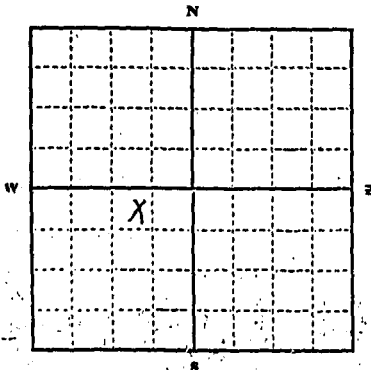
(Address)

(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.E. 1/4 SW Sec. 20 T. 13 R. 19

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

2. The beneficial use on which the claim is based household and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Fall of 1912, continuous since that time

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

used for irrigation of lawns about 50 sq. ft. William (Bill) Leflar

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

electric pump located at the South West corner of house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Fall of 1912

8. The depth of water table 15 to 20' in the well, unknown below

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 43' deep w/ 4" casing

10. The estimated amount of groundwater withdrawn each year unknown

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

All gravel deposit in old lake bed

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

Lot (5) Five of Curtis Magazine addition in Missoula County, of sayt Eha south 110 Thruway

Signature of Owner William L. Leflar

Date Dec 31, 1963

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

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

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



1015

215489

I received and filed this instrument for  
record on the 31 day of Dec. 1963  
at 3:18 o'clock P.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

File No. ....

T. 13 N., R. 19 W., S. 20 E.

DUPLICATE

County Missoula

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

RECEIVED  
 JAN 3 1963  
 STATE ENGINEER

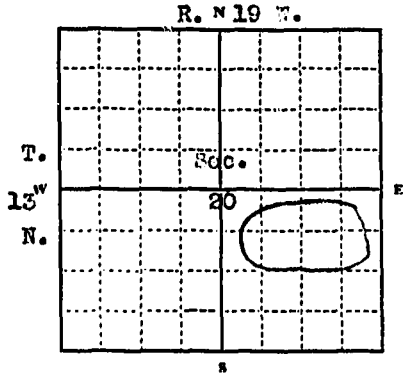
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, V. T. Linthacum, of 1602 S. 2nd St. W., R-2 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<sup>1</sup>/<sub>4</sub> SE 1/4 Sec. 20, T. 13N., R. 19W.

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

On Lot 20 in the SE corner of Block 52 on plat of survey of the D&K Addition to City of Missoula as filed in office of County Clerk Recorder, but since vacated.

The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Exact date of original construction of well not known to present owner but it was within before construction of the present dwelling, which was prior to 1900. Depth of well was extended in 1939.

8. The depth of water table. Complete depth of table from which water taken at 45 ft. is not known to me. Present casing extends into this table at least 10 or 12 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. Original was a dug well 32 ft. deep. Later filled in with rocks and gravel around a 10" steel casing. Depth of well was extended to 50 ft. in 1939 by driving a 4" steel pipe inside the 10-inch casing.

10. The estimated amount of groundwater withdrawn each year. 150,000 gallons.

11. The log of formations encountered in the drilling of each well if available. Information on formations in original 32-ft. well not available, but known from other excavations to be generally stream-washed gravel. Most of the extension to 50 ft. is through and ends in polished, small shale gravel overlaid with hard pan believed to be impervious.

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 known to present owner.

Signature of Owner V. T. Linthacum

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.

20442

1324

*copy*

I received and filed this instrument by  
 record on the 21 day of Dec 1969  
 at 911 o'clock P. M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand.  
 MARTIN S. BEHNER, County Recorder  
 By Martin S. Behner  
 Fee \$ 1.00 Paid

C

1324

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

T. 13<sup>N</sup> R. 19<sup>W</sup>

DUPLICATE

RECEIVED  
County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

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



Owner Agnes M. Livesey Address 605 N. Davis

Driller Mowbray (I think) Address \_\_\_\_\_

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

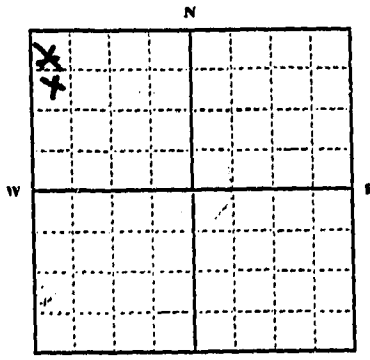
Date well started approx 1950 Date Completed \_\_\_\_\_

Type of well drilled or dug Equipment Used don't know  
(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)



NW 1/4 NW Sec. 20 T. 13. R. 19

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 Unknown feet.

Shut-in Pressure for Flowing Well Unknown

Pumping Water Level Unknown feet at \_\_\_\_\_ gal. per minute.

Discharge in gal. per min. of flowing well Unknown

How Tested Unknown Length of Test \_\_\_\_\_

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

Agnes M. Livesey  
Driller's License Number \_\_\_\_\_  
Mowbray  
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.

1158

I received and filed this instrument for  
record on the 21 day of March, 1967  
at 5:57 o'clock P. M., permanent files  
of Missoula County, State of Montana  
Witness my hand:  
County Recorder  
By *Walter A. Nelson* Deputy  
Fee \$ 2.00 Paid

OW.

Approved Stock Form—State Publishing Co., Helena, Montana—42234

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

T. 13<sup>N</sup> R. 19<sup>W</sup> 20

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 3 1963

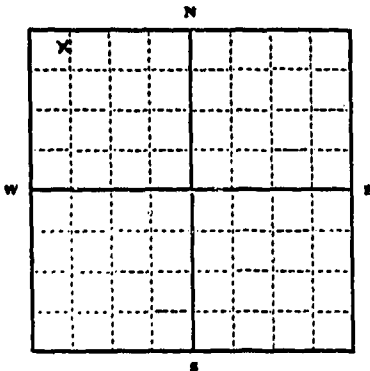
STATE ENGINEER

### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Mable E. Lundrigan, at 2345 River Road 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 Sec. 20 T. 13. R. 19

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, yard and small garden
- Date or approximate date of earliest beneficial use; and how continuous the use has been. don't know when use started, about 1952. Constant use
- The amount of groundwater claimed (in miner's inches or gallons per minute). don't know
- 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 at 2345 River Road. Only about 1/3 of the acre has been watered, however.
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Well located at S.E. Rear of dwelling

- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. don't know
- The depth of water table. don't know 16 1/2 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. 35 feet deep 4 inch casing. 16 1/2 feet to water
- The estimated amount of groundwater withdrawn each year. 35,000 gal.
- The log of formations encountered in the drilling of each well if available. don't know
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including references to book and page of any county record. don't know

Signature of Owner Mable E. Lundrigan  
Date Dec 31, 1963

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

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

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

20286

1167

I received and filed this instrument for  
record on the 21 day of Dec, 1922  
at 6:14 o'clock P. M. permanent files  
of Missoula County, State of Montana  
Witness my hand:  
County Recorder  
By W. H. Lane Deputy  
Fee 2.00 Paid

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

T. 13<sup>N</sup> R. 19<sup>W</sup> 20

DUPLICATE

County Missoula

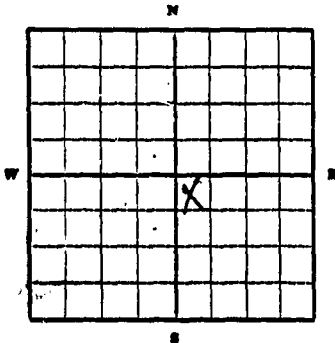
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 17 1963  
STATE ENGINEER

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

I, W. Peyton Moncre, of Rt. 2 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:



NW 1/4 Sec. 2, T13N, R19W

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since approximately 1940 or 1941. Continuously.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) app. 30 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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal By electric pump located in basement of house about ten feet from well.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater about 1940 or 1941

8. The depth of water table

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater About forty feet deep. Dug about twenty feet, also drilled about twenty. About six-inch casing.

10. The estimated amount of groundwater withdrawn each year normal household use.

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

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

Signature of Owner W. Peyton Moncre  
Date Dec. 16, 1963

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

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

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



#914

214345

copy

I received and filed this instrument for record on the Second day of July 1963 at 5:04 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:  
 MARTIN S. BARNER, County Recorder  
 By Ethel Lane Deputy  
 Fee \$ 5.00 Paid

MISSOULA COUNTY  
 MISSOULA, MONTANA  
 DEPARTMENT OF RECORDS

RECORDED  
 JUL 11 1963  
 MISSOULA COUNTY  
 MISSOULA, MONTANA

MISSOULA COUNTY  
 MISSOULA, MONTANA  
 DEPARTMENT OF RECORDS

File No. ....

T 13 N R 19 W

DUPLICATE

County MISSOULA

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

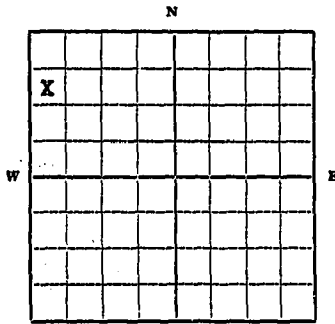
STATE ENGINEER

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

1. Willis P. Parker and Julia E. Parker of 512 N. Davis St. Missoula, Mont. 59801  
(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 19 in the E 3/4 of N 1/2

NW 1/4 Sec. 20 T13N R.19 W.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres. Lot 19 of Cobban and Dinsmore's Orchard Homes 5 acre tracts, Missoula County.

2. The beneficial use on which the claim is based upon household, domestic and irrigation uses.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Used continuously since about 1905 and since 1943 by the undersigned.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 miner's inch, - 673.2 gallons per hour.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: one-half acre of lawn and garden.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Electric pump. The well is located upon the ground described as the place of use.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: It is believed the well was dug and water used commencing in the year 1905.

8. The depth of water table: about 20 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled well, 2" pipe, electric pump.

10. The estimated amount of groundwater withdrawn each year: 2,000,000 gallons.

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

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

Willis P. Parker  
Julia E. Parker  
Signature of Owner

Date: December 20, 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.

637

214 998

*Copy*

I received and filed this instrument for  
 record on the 27 day of Dec 1967  
 at 1:53 o'clock P.M., permanent files  
 of Missoula County, State of Montana

Witness my hand:  
 MARTIN S. BEYNER, Clerk

By [Signature] Deputy  
 Feb 27

MISSOURI STATE ARCHIVES  
 1000 EAST 17TH AVENUE  
 COLUMBIA, MISSOURI 65201

RECEIVED  
 FEB 27 1968

MISSOURI STATE ARCHIVES  
 1000 EAST 17TH AVENUE  
 COLUMBIA, MISSOURI 65201

RECEIVED  
 FEB 27 1968


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

**RECEIVED**

T. 13N R. 19W

DUPLICATE

NOV 10 1967

County Missoula

LOG

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground Approx. 3210'  
(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)

Shirley Louise &/or

Owner Charles R. Peppard Address Missoula, Montana

#### Formations Log:

- 0 - 2 Top soil.
- 2 - 24 Cobblestones & gravel.
- 24 - 35 Fine brown sand & gravel.
- 35 - 43 Gravel mixed in tan clay.
- 43 - 49 Fine sand & gravel.
- 49 - 57 Coarse sand & gravel.

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None - filed

Date well started 4/28/66 Date completed 4/28/66

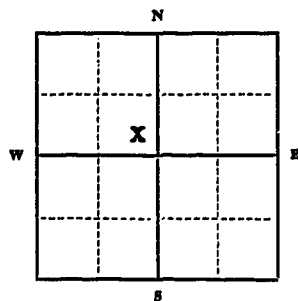
Type of well Driven Equipment used Well Driving Rig  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/4"	+6"	57	Torch Cut	53	57

Water rises in the well 22 feet from surface.



Static Water Level for non-flowing well 22 feet.

Shut-in Pressure for Flowing Well Non-f.

Pumping Water Level 38 feet at 60 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Two hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) The bottom four feet of casing is perforated and all water entering the well is coming through these perforations. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should (continue on reverse side)

SE 1/4 NW Sec. 20, T. 13N. R. 19W

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

1/4 of Acres

Show exact depth of bottom. \_\_\_\_\_

Bottom of hole 57'

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

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

Driller's License Number \_\_\_\_\_  
William E. DeLore  
Driller's Signature

42,512

26556

I received and filed this instrument for record on the 8 day of Nov. 19 1917 at 11:30 clock A.M., permanent files of Missoula County, State of Montana Witness my hand: Verence R. Crouse, County Recorder By *Henry Stebbins*, Deputy Fee \$ 2.00 each Paid

be pumped at rates less than 25 to 50 percent of the tested capacity of the aquifer.


shall receive information to said in a separate primary issue and all other matters are left to the discretion of the Board of Supervisors of the County of Missoula, Montana.

DURATION  
FILE NO. 175

RECEIVED

MONTANA WATER RESOURCES BOARD

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

DUPLICATE

T 13 N., R 19 W.

County Missoula

*Not signed?*

*20*

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

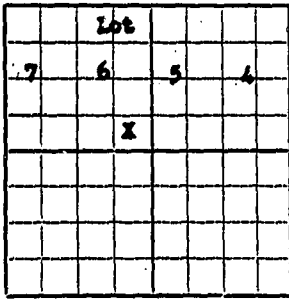
Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
MAY 11 1962

STATE ENGINEER

1. Roy M. and Lucinda A. Mart, of 1828 Charlott Avenue, 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:



2. The beneficial use on which the claim is based Household-domestic, domestic animals, and irrigation of 2 acres

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1949 (Dwelling constructed and taxes paid) I bought it Nov. 1950. Well say have been in 1947. Continuous since construction.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 17 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 2 acres on East 128' of lot 6, G. & D. Orchard Home Addition # 2, Plat B-1, Missoula, NW 1/4 S. 20, T. 13 N., R. 19 W. Same owner as appropriator, above.

NE 1/4 Sec. 20 T. 13N. R. 19W

Indicate point of appropriation and place of use, if possible. Each small square represents 1/36 acres.

6. The means of withdrawing such water from the ground and the fractional location of each well or other means of withdrawal. One well, electric pump, offset type.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Between 1947 and 1949. Property purchased in Nov. 1950

8. The depth of water table Approx. 25 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater surface water type, 4 inch casing, 45 feet depth. Electric pump, offset type.

10. The estimated amount of groundwater withdrawn each year 1,825,000 gallons per year.

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

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

*Roy M. Mart*

Signature of Owner Lucinda A. Mart

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 School of Mines and Quadruplicate for the Appropriator.

#132

19 2713

I received and filed this instrument for  
record on the 3<sup>rd</sup> day of April 1962  
at 3:20 o'clock P.M. permanent file  
of Missoula County, State of Montana  
Witness my hand:  
**MARVIN S. BEHNER**, County Recorder  
By Deputy Clerk Deputy  
Fee \$ 50.00 Paid

GW1

STATE WATER CONSERVATION BOARD

File No. FEB 11 1965

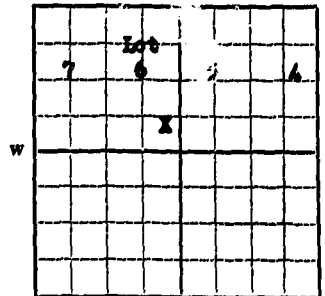
T 13 N. R 19 W. 20

DUPLICATE Bill... McDermott...
Duff... McNulty...
C... Morion STATE OF MONTANA
D... ADMINISTRATOR OF GROUNDWATER CODE
Dickett... OFFICE OF STATE ENGINEER

County Missoula

Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

- 1. Roy M. Hart, 1828 Charlott Avenue, Missoula...
2. Household- Domestic, Domestic animals, and irrigation of 2 acres...
3. 17 gallons per minute.
4. All yearlong each year.
5. January 1951
6. 1947
7. South half of East 128' of Lot 6...
8. 25 feet.
9. Unknown, performed before I bought the property...
10. Give such other similar information as may be useful...



NW 1/4 NE 1/4 Sec. 20 T 13 N R 19 W.

Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Roy M. Hart

Date January 22, 1962

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

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

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

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

40822



1576

246759

STATE WATER CONSERVATION BOARD

JAN 25 1965

Bliss	_____
Butzerin	_____
Coyne	_____
Darlington	_____
Dickert	_____
McDermott	_____
McNulty	_____
Morton	_____
Sullivan	_____

I received and filed this Instrument for record on the 9 day of Feb, 1965 at 2:15 o'clock P.M., permanent files of Missoula County, State of Montana  
 Witness my hand:  
 Varmae R. Cipece, County Recorder  
 By M. M. Conroy, Deputy  
 Fee \$ 2.00 Paid cash

20

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

T. 13<sup>N</sup> R. 19<sup>W</sup>

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1963

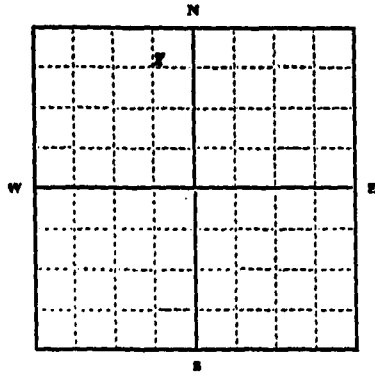
Declaration of Vested Groundwater Rights  
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. William C. Mielle, of 2122 River Road 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 E 1/4 NW Sec 20 T. 13 R. 19

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, irrigation + livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 54 - steady use since date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1.0 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 1/4 acre household use

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1/2 hole sunk at 2122 River Road NE 1/4 NW sec 20 T. 13 R. 19

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

8. The depth of water table 42 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 inch casing, 42 feet depth

10. The estimated amount of groundwater withdrawn each year 365,000 gal.

11. The log of formations encountered in the drilling of each well if available 13 feet gravel - 29 feet sand, water gravel

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

Signature of Owner William C. Mielle

Date Dec 31, 1963

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

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

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

20205

1085

215560

Copy

I received and filed this instrument	
record on the 31	1963
at 4:40	P
of Missoula	
Witness	
By <i>E. J.</i>	Deputy
Fee <i>6.00</i>	

Missoula County Clerk's Office  
Missoula, Montana  
I have this to certify that the foregoing instrument is a true and correct copy of the original as the same appears in the records of this office.  
Witness my hand and the seal of this office this 31st day of July 1963.

20

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

T. 13N R. 19W

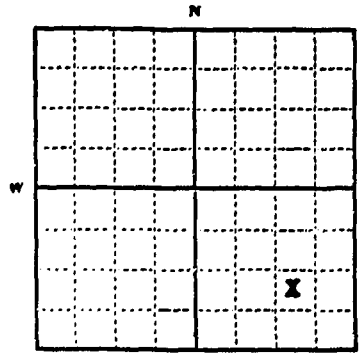
TRIPPLICATE MONTANA WATER RESOURCES BOARD

County Missoula

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

**Notice of Appropriation of Groundwater**  
(Under Chapter 237, Montana Session Laws, 1961)

1. I, The Montana Power Company, of 40 E. Broadway, Butte  
(Name of Appropriator) (Address) (Town)  
County of Silver Bow, State of Montana 59701, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
2. The beneficial use to which water is to be applied is Municipal Water Supply  
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 1000 gal. per minute
4. The annual period (inclusive dates) of intended use January 1-December 31
5. The probable or intended date of first beneficial use May 19, 1969
6. The probable or intended date of commencement and completion of the well or wells April 30, 1969
7. The location, type, size and depth of well or wells contemplated 125' Churn drilled 16" well in SE 1/4 Sec 20, T13N, R19W
8. The probable or estimated depth of the water table or artesian aquifer 40'
9. Name, address and license number of the driller engaged Glenn Camp, 1522 S. 14th West, Missoula, Montana 59801, License #7
10. Give such other similar information as may be useful in carrying out the policy of this act.



THE MONTANA POWER COMPANY

By W.W. Tallant  
Vice President

40 E. Broadway  
Butte, Montana 59701

SE 1/4 Sec 20 T13N R19W  
Locate well or other means of development as accurately as possible on the plat.

Date 5/28/69

APPROPRIATOR

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

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

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

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

45,313



File No. \_\_\_\_\_ MONTANA WATER RESOURCES BOARD

T. 13N R. 19W 20

DUPLICATE

**RECEIVED**

County Missoula

LOG JUN 6 1969

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

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

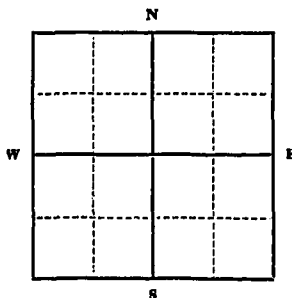
**Notice of Completion of Groundwater  
Appropriation by Means of Well**

Well located between 4th & 5th  
on Catlin Well #20

DEVELOPED AFTER JANUARY 1, 1962

- 0-2 **Brown Top Soil & Gravel** (Under Chapter 237, Montana Session Laws, 1961)
- 2-55 **Tan Clay & Gravel** Owner: MONTANA POWER CO. Address: Missoula, Montana  
1522 S. 14th W.
- 55-33 **Gravel Sand & Water** Driller: Glenn Camp Address: Missoula, Montana
- 33-90 **Sand & Water** Date of Notice of appropriation of groundwater.....  
Date well started: April 30, 1969 Date completed: May 19, 1969
- 90-92 **Gravel & Clay** Type of well: Drilled Equipment used: Churn Drill  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)
- 92-98 **Sand & Water** Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other
- 98-130 **Gravel, Sand & Water** 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.
- 130-143'8" **Clay & Gravel**

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
16" I.D.	16" I.D. 62.58 lbs per ft.	2' above G.L.	143'8"	Hills Knife 3/8" x 3"	105	125
					10 holes to the round..	
					30 rounds	
					Total - 300 holes	



Static Water Level for non-flowing well 33.5' feet.  
 Shut-in Pressure for Flowing Well from G.L.  
 Drawdown - 9'  
 Pumping Water Level 42.6' feet  
 at 1000 gal. per minute.

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

How Tested Test Pump

Length of Test 4 hours

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

SE 1/4 Sec. 20 T. 13N. R. 19W  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

THE MONTANA POWER COMPANY

By W. J. Talbot Vice President (Continue on reverse side)

40 E. Broadway Butte, Montana 59701  
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).

APPROPRIATOR  
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

45,311



File No.

T. 13N R. 19W

DUPLICATE

MONTANA WATER RESOURCES BOARD

County Missoula

RECEIVED

STATE OF MONTANA

JUN 11 1968

ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

LOG

Top of Ground

Approx. (Elev. above sea level. 3202')

### Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1963

(Under Chapter 237, Montana Session Laws, 1961)

Wilbert H. &/or

Owner Joseph W. Potter Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started May 11, 1968 Date completed May 16, 1968

Type of well Driven Equipment used Well driving rig  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

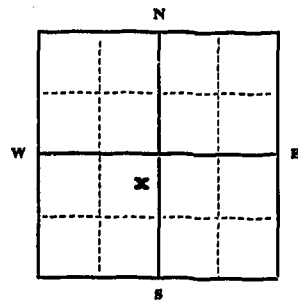
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

#### Formations Log:

- 0 - 17 Gravel, cobblestones & boulders mixed in tan clayey silt.
- 17 - 19 Sand, gravel & cobbles.
- 19 - 23 Brown sand.
- 23 - 39 Sand & gravel mixed in tan silt.
- 39 - 43 Tan clay.
- 43 - 45 Gravel mixed in tan clay.
- 45 - 51 Clean coarse gravel.

Water rises in the well 24'6" from surface.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kid Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/4"	+1'6"	51'	Torch Cut 1/2x3"	46	51



Static Water Level for non-flowing well 24'6" feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 38 feet at 50 gal. per minute.

Discharge in gal. per min. of flowing well None

How Tested Air Lift Pump

Length of Test Eight hour

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through perforations in casing.

Wells in this area can be depended upon to produce

NE 1/4 Sec. 20. T. 13N R. 19W

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 30. (Continue on reverse side) to 40 percent of the tested capacity of the aquifer.

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).

Lot 3, Tract 7, Curtis & Majors Addition

Show exact depth of bottom.

Bottom of hole 51'

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

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

Driller's License Number

William F. Colme  
Driller's Signature.

44216



1798

271831

I received and filed this instrument for  
 record on the 5 day of June 1908  
 at 11:35 o'clock A.M. permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 Verano R. Crouse, County Recorder  
 By H. Williams Deputy  
 Fee \$ 0.00 Paid CA

		X

How many of the above are in the original?  
 How many of the above are in the original?  
 How many of the above are in the original?  
 How many of the above are in the original?

20

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

T. 13 N. R. 19 W.

DUPLICATE

County Missoula

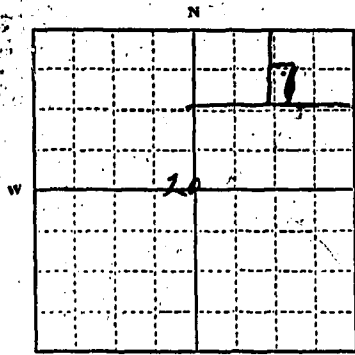
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECORDED  
JAN 3 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Howard N. Pulley, of 1719 River Road, Missoula, Mont.,  
(Name of Appropriator) (Address) (Town)  
Missoula (County) Montana (State)  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 20 T13 R19

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 lawn and garden irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 15, October, 1939 - Daily except for period 1942-1945, only occasionally while I was in military service.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof South 200' of Lot #12 Of Cobban and Dinsmore's Addition #2 Of Orchard Homes

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 H.P. Electric Pump in a 48 inch well, 150' North, 100' East of South and West lines of said Lot #12

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1st to 10th of October, 1939

8. The depth of water table 18' of water standing in 48' well, 30' to 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 Five shares of stock, bearing 2 miners inches of water per share, 10 inches total. This stock in Orchard Homes Ditch Company, a Corporation. This water withdrawn from Ditch Co. lateral by 2 in. gas operated pump, rated 7500 gals. per hour. Well described in #6 and #8.

10. The estimated amount of groundwater withdrawn each year 100,000 gal. irrigation, 35,000 gal Domestic use.

11. The log of formations encountered in the drilling of each well if available Log not available, water was found over a clay seal at 28', not deemed adequate for requirements. Next water found at 44' on at least a 4' clay seam. This supply in abundance. 2 hr. test with 2 in. pump did not reduce stand of water in well.

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 further, to my knowledge.

Signature of Owner Howard N. Pulley

Date 31, Dec., 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.

20424

1305

*copy*

I received and  
 received on 31 Dec 1967  
 at 855 o'clock P, permanent files  
 of Missoula County, State of Montana  
 Witness my hand  
 By [Signature] County Recorder  
 Fee \$ 2.00 Paid

FOR RECORD OF THE COURT IN SAID  
 COUNTY OF MISSOULA, MONTANA, THE  
 COUNTY CLERK HAS RECEIVED FROM THE  
 COUNTY RECORDER THE FOLLOWING  
 INFORMATION: THAT THE ABOVE  
 DESCRIBED INSTRUMENT WAS  
 FILED FOR RECORD ON THE  
 31st DAY OF DECEMBER, 1967,  
 AT 8:55 P.M. AT THE  
 MISSOULA COUNTY CLERK'S  
 OFFICE, MISSOULA, MONTANA.

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

SEC. 20 T. 13N R. 19W

DUPLICATE

County Missoula, Montana.

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

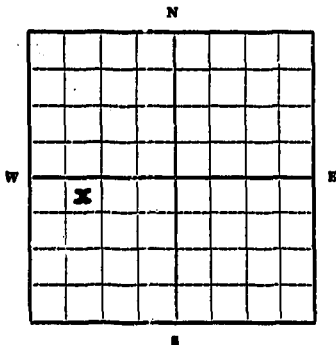
RECEIVED  
DEC 26 1963

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

STATE ENGINEER

1. Benjamin Ramer and Anna Ramer, of 126 So. Davis, 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:



SW 1/4 Sec. 20. T13N R. 20W

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 use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
1949 and constant

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
Not applicable

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
not known

8. The depth of water table  
69 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" casing 1 HP electric pump. 69 feet

10. The estimated amount of groundwater withdrawn each year  
127,750 gallons

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

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

Signature of Owner Benjamin Ramer

Date Dec. 20, 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.

421

214626

I received and filed this instrument for  
record on the 23 day of June, 1962  
at 1:14 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

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

T. 13<sup>2</sup> R. 19  
County Missoula

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

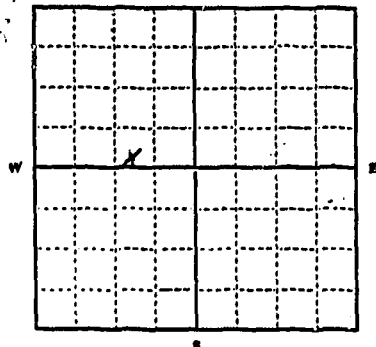
RECEIVED  
JAN 3 1964  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mrs. P. A. Ranstrom, of 115 W. Curtis St., 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 Curtis & Majors



1/4 E 1/4 NW 1/4 Sec 20 T. 13 R. 19

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 use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1911 + continuous

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used for irrigation at present time but is used for watering grazing animals on three acres of land

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
1/4 NW 1/4 Sec 20 T. 13 R. 19

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Same as # 5

8. The depth of water table unknown

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled well, 4 inch casing 7 ft 4 ft deep

10. The estimated amount of groundwater withdrawn each year unknown

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

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 Mrs. P. A. Ranstrom  
Date Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 20345

12/16

*Copy*  
I received and filed this instrument for  
recording at the office of the Permanent files  
of the State of Louisiana  
on *Dec. 1963*  
Witness my hand  
By *Martine Behall* County Recorder  
Fee \$*0.00* Deputy  
Paid

20

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

T. 13 N. R. 19 W.

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mrs. P. A. Peterson, of 115 N. Curtis St., (Town)

County of Missoula State of Montana

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

for #2 Suptis & majors


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 use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1911 + continuous

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
26 7/8 NW Sec. 20 T13 R19

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
drilled well 44 ft deep down on 11/3/61

8. The depth of water table unknown

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
drilled well, 4 inch casing, 44 ft deep

10. The estimated amount of groundwater withdrawn each year unknown

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

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 Mrs. P.A. Peterson  
Date Dec. 31 1963

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

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

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

20420