

ADDENDUM

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

Name of owner: A.M. + Pearl Odum

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

Initials: CS
3244 S. 74 St W

File No.

T 13N R 20W 19
13N 19W
County

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

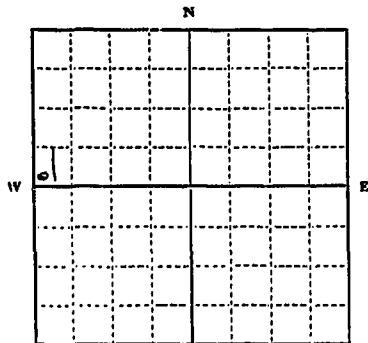
RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

A. M. Odum & Pearl Parameter Odum, of 3244 So 7th St 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:



Lot 32 - Dinsmore Addition
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
House and barn
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Nov. emb. 1939 to
present time
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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
well 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 Electric Pump
one well at house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Nov. emb. 1939

8. The depth of water table. depth of well - 50 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. none other

10. The estimated amount of groundwater withdrawn each year. 36000 Gallons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. unknown

Signature of Owner A. M. Odum
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.

12-636

214997

Copy

I received and filed this instrument for
 record on the 27 day of Dec, 1968
 at 1:50 o'clock P.M., personal files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By Martin S. Behner
 Fee \$ 2.00 Paid

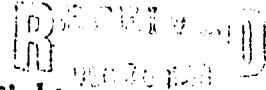
This document is a true and correct copy of the original as filed for record in the office of the County Recorder, Missoula County, Montana, on the 27th day of December, 1968, at 1:50 P.M.

File No 214997

T. W. R. [unclear]
County [unclear]

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



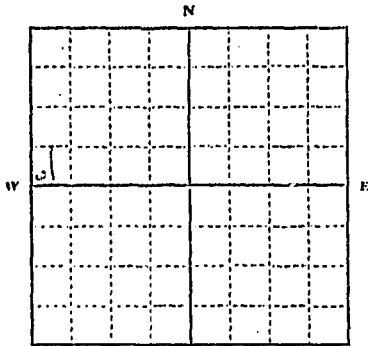
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. A. M. Odum (Name of Appropriator), of 324 S. 7th St. W. (Address) Missoula (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 32 - Dinsmore Addition
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 Use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Nov. 1939

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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. Well 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. 1 1/2" dia. pipe well at house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Nov. 1939

8. The depth of water table. depth of well = 5.0 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. none other

10. The estimated amount of groundwater withdrawn each year. 3600 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. City Record

Signature of Owner A. M. Odum
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.

15028

ADDENDUM

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

Name of owner: Donald V. Scott

Corrected land description: 1 NE 1 SE 1 NE
Sec. 19 T 13 N R 10 W

Initials: DS

401 1 10000

File No. _____

DUPLICATE

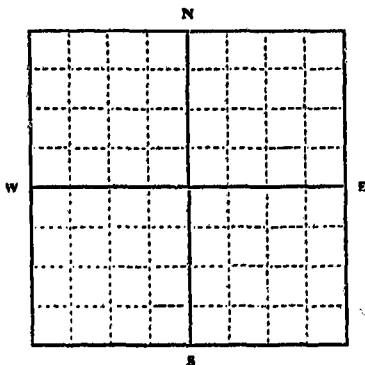
T 13N R 20W 19
of 13N 19W
County _____

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)

Donald V. Scott, of 428 N. GROVE MISSOULA
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 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 Water Supply

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1940 - Continuous Since

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 300 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. NONE

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. 1940

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" CASING 80' DEPTH

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. Well located at House site - lot 46. Cobban & Dunnicans. DRENCHD HOMES

Signature of Owner Donald V. Scott

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.

20078

953 215422

I received and filed this instrument
record on the 31st day of Dec 1967
at 11:00 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand
MARTIN S. BRIDGES, County Recorder
By *Walter J. Helms* Deputy
Fee \$ 2.00 Paid

File No. 215427

T. 1 R. 1

DUPLICATE

County: _____

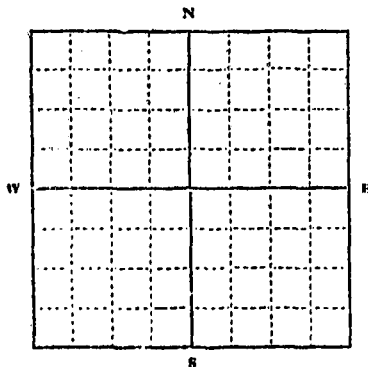
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MONTANA
STATE ENGINEER

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

1. Donald V. Scott of 1128 N. GROVE MISSOULA
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 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
Water Supply

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940 - Continuous Since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 300 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 NONE

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, well, or other works for withdrawal of groundwater 1940

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" casing, 30' depth

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 Well located at House site - lot
46 - corner of Mrs. McKee's - GEORGE'S HOME

Signature of Owner Donald V. Scott

Date 12/21/63

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

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

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

20078

ADDENDUM

Form: Declaration of Vested Groundwater Rights

Notice of Completion of Groundwater
Appropriation by Means of Well

Name of
owner: M.A. + Minnie Price

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

Initials: MS

File No. _____

T. 13 N. 20 W. 20
or 13 N. 19 W
County _____

DUPLICATE

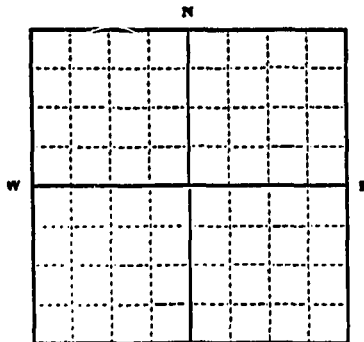
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. M.A. & Minnie Price, of 2348 River Road
(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:



C&G D. ov. No. E 1/2 W 1/2
1/4 Sec. T. R. 29830

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

2. The beneficial use on which the claim is based. domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. earliest 40.5
in use pencil

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

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 1/4 acre
2 1/2 acres - by pump

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Brought - 1959 - well was there

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. 60 feet -

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. none

Signature of Owner: M.A. & Minnie Price
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.

20103

982 2154 56

I received and filed this instrument
record on the 19 day of Dec 1903
at 12:05 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN E. BEHN, County Recorder
By *Martin E. Behn* Deputy
Fee \$ 2.00 Paid

5

File No. 215456

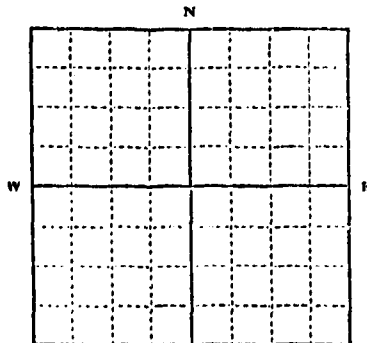
DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF C. STEWART COOK
OFFICE OF GRAVE ENGINEER

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

1. M. A. & Maurine Price, of 2348 River Road
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana Missoula
Have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 4, T. 29 N., R. 20 E., S. 20
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been earliest 40's
in use several

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

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 1/2 acre
2 1/2 acres - by pump

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Brought - 1959 - well was there

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 60 feet

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 none

Signature of Owner M. A. & Maurine Price
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 Bureau of Mines and Geology; and Quadruplicate for the Appropriator.

20103

20

File No.

T. 13 N. R. 20 W

DUPLICATE

County Missoula

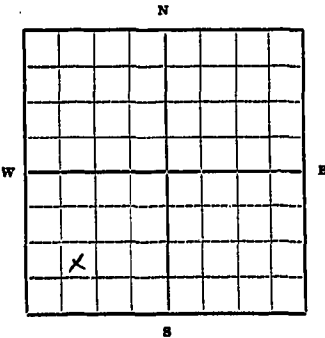
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 29 1963

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

STATE ENGINEER

1. H. E. Balzhiser of 2233 So 3d Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 1/4 Sec. 20 T. 13 N. R. 20 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 H. E. Balzhiser
irrigation of Land Grushum addn Plot #1
Part Lots 1 & 2
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 1 - 1950
Continuous use
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 Gals. per min.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre as described Grushum
Plot #1 Part Lots 1 & 2
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric
Motor Pump Located on East side of
Home
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 19 - 1950 Completed May 29th 1950
- 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 6 in casing 7-2 ft deep
- 10. The estimated amount of groundwater withdrawn each year 36500 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.

Signature of Owner H. E. Balzhiser
Date Aug 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.

251

Copy

20132

I received and filed this instrument for record on the 27 day of Aug 1965 at 10:30 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNER, County Recorder
 By Deputy Sherman Deputy
 Fee \$ 2 Paid

C

1103
Missoula

MISSOULA COUNTY RECORDS DEPARTMENT
 1000 1ST AVENUE
 MISSOULA, MONTANA 59801
 406/338-1111
 1965 AUG 27 10:30 AM
 DEPT. OF REVENUE
 MISSOULA, MONTANA

For information of the County Clerk, the following is a list of the instruments filed for record in this office during the month of August, 1965.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOV 11 1971

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Mike Jahner
Address 1640 Wyoming Street
Missoula, Montana
Date well started 10/6/71
completed 10/19/71

For Administrator's Use	
File	<u>309338</u>
	<u>November 5, 1971</u>
	<u>4:30 PM</u>
GW 1	

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

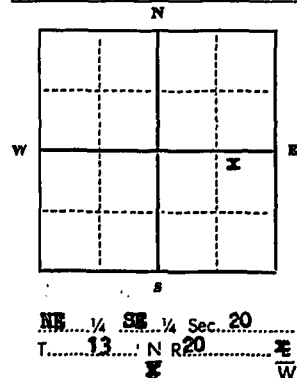
Equipment used Cable Tools
(Churn drill, rotary or other)

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

*Describe Two Lots
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). Lots 6 through 15

ESTIMATED ANNUAL WITHDRAWAL 15,768,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 3/4"	+2	60	NONE		



Static water level 28 ft.*
Pumping water level 48 ft.*
at 100 gallons per minute,
measured 180 minutes after pumping began.
*Measured from ground level.
Well developed by Air Lift Pump
for Eight hours.
Power Gas Pump 30 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through open bottom of six inch casing.
Wells in this area can be depended upon to produce

Top of Ground Approx. (Elev. above sea level) 3170'

From (Feet)	To (Feet)	
0	1	Topsoil
1	3	Brown dirt with gravel mixed in
3	21	Boulders and cobbles mixed in clay
21	26	boulders, cobbles and gravel
26	33	Fine silty sand and gravel
33	53	Fine silty sandy clay
53	58	Fine sand and gravel
58	60	Clean coarse gravel. Water

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

LIBERTY DRILLING & PUMP COMPANY
Driller's Signature William T. Calver

Driller's Address 2500 Reserve Street

Missoula, Montana LICENSE NO. 52

60 feet Show exact depth of bottom water rises in well to 28 feet from surface.

49373

#2197

309338

I received and filed this instrument for
record on the 5 day of May 1921.
at 4:20 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand.
Vernon R. Cruse, County Recorder
By Marie Rickard, Deputy
Fee \$2.00 Cash Paid

clear said free under year after year as long as they are not overmanned, i.e.,
they should be jumped at rates not in excess of 50 to 60 percent of the tested
capacity of the aquifer.

File No.

T. 13^N R. 20^W 20

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

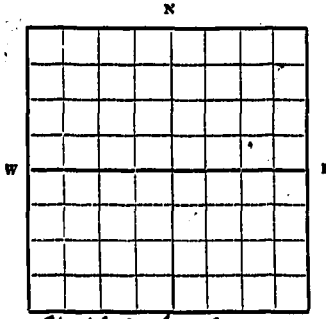
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 3 1964

STATE ENGINEER

Frank and Madeline Reinhardt of 2335 S. 3rd 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:



Stall. Area Lot 4

1/4 SW 1/4 Sec. 20, T. 13 R. 20

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 Stirring
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1961
since drilled
and steady
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Unknown
Do not 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 House use only
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump - in basement
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Do not know
8. The depth of water table Do not 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 Unknown
10. The estimated amount of groundwater withdrawn each year all I need
11. The log of formations encountered in the drilling of each well if available Do not 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 known

Signature of Owner Madeline Reinhardt
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.

20334

10/15

Copy

1	2	3	4	5	6	7	8	9	10	11	12
I have filed this instrument of _____ 19 _____											
_____ permanent files											
_____ State of Montana											

By _____ Deputy Recorder											
Fee \$ _____ Paid											

File No. _____

T. 13^N R. 20^W S. 20

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 3 1962

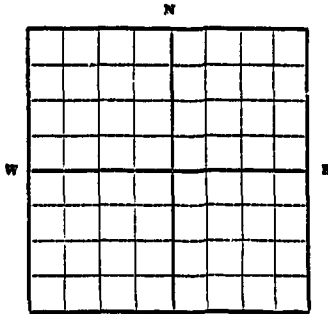
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Frank or Madelyne Reinelt, of 22346 So. 3rd, 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:



W 156 FT 3 30.138 FT. Lot 11 Q.C.P.
N 1/4 SW 1/4 8 Sec. 20 13 Q.C. Home
1/4 Sec. 20 T. 13 R. 20

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 Electric shop garage
- Date or approximate date of earliest beneficial use; and how continuous the use has been Since well was drilled
- The amount of groundwater claimed (in miner's inches or gallons per minute) 1.2 c.f.m.
- 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 irrigate
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump in well located in building
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1958
- The depth of water table 10-15 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 1.2 c.f.m.
- The estimated amount of groundwater withdrawn each year 1.2 c.f.m.
- The log of formations encountered in the drilling of each well if available 10-15 feet
- 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 10-15 feet

Signature of Owner Madelyne Reinelt

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.

1198

Copy
I received this instrument
at *719* office of *Dec.* 19*43*
of Missoula County, State of Montana
Witness my hand:
By *Martin J. Schuler* County Recorder
Paid *30* Deputy

CV

File No. _____

T 13 N R 20 W 70

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

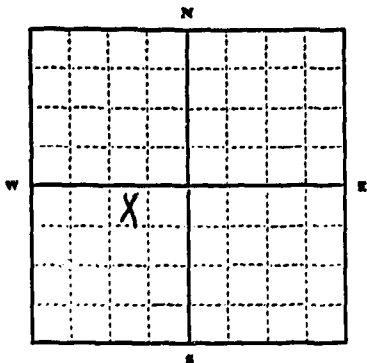
Since then...

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Leonard Shabono, of 1236 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. 20

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

S. 110' Curtis & Majora
Set on Dec 5 - 2 acres

- The beneficial use on which the claim is based for household and irrigating lawn
- Date or approximate date of earliest beneficial use; and how continuous the use has been. About 1940 or 1941 has been in continuous use ever since
- The amount of groundwater claimed (in miner's inches or gallons per minute). Approximately 5 gallons per minute
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. used for irrigating lawn 100' x 100' Owner Leonard Shabono
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. electric pump located at north east corner of the house NE 1/4 SW Sec 20 T 13 R 20
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. about 1940 or 1941
- The depth of water table. about 80 feet
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Well drilled by Mr. Mowbray - 6 inch pipe withdrawal by electric pump
- The estimated amount of groundwater withdrawn each year. Unknown
- The log of formations encountered in the drilling of each well if available. Unknown
- 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 Leonard Shabono

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.

17657

867

215340
Copy

I received and filed this instrument for
record on the 31 day of Dec. 1963
at 9:45 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand.
MARTIN S. RBINER Deputy Recorder
By *Martin S. Rbiner*
Fee \$ 3.00 Paid

GV

File No. _____

T 13 N R 20W 21

DUPLICATE

Blaine 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, 1962)

STATE ENGINEER

1. W. T. Boone of 111 Artemos Dr. Missoula
(Name of Appropriator) (Address) (Town)

Missoula

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

	X								

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

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

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Drilled well, shallow well pump - NW 1/4 NW 1/4 Sec. 21, T. 13 N R. 20W

NW 1/4 NW Sec 21 T 13 N R 20W

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
Prior to 1958

8. The depth of water table 10 ft. from top of the casing to water level of the well

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

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
Nothing of record

Signature of Owner W. T. Boone

Date December 24, 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 School of Mines and Quadruplicate for the Appropriator.

541 214843

I received and filed this instrument for
recording on the 26 day of Dec 1963
at 10 o'clock A.M. permanent file
of Lincoln County, State of Montana
Witness my hand
MARTIN S. [Signature] County Recorder
By [Signature] Deputy
Fee \$ 2.00 Paid

RECORDED
INDEXED
MONTANA COUNTY RECORDERS ASSOCIATION
L. S. [Signature]
COUNTY CLERK

File No. _____

DUPLICATE

13 N 20 W
T. R.

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

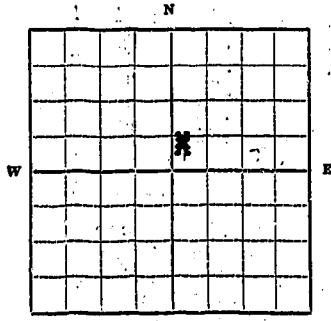
RECEIVED
JAN 3 1964

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

1. George D. Caras, of Route 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:



SW 1/4 NE 1/4 Sec. 22 T13N, R20W

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1880 and use has been continuous

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1880 commenced; extended approximately 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 Driyen Well, 60 ft. deep

10. The estimated amount of groundwater withdrawn each year 200,000 Gal.

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.

Signature of Owner G. Caras

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.

2017

2151

215526

I received and filed this instrument for
 record on the 22nd day of Dec 1963
 at 4:06 o'clock P. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By Ethel Lane Deputy
 Fee \$ 2.00 Paid

...that immediately returned to ...
 ...at ...

23

File No. _____

T. 13 R. 20

DUPLICATE

WATER RESOURCES BOARD
RECEIVED

County Sinsuon

LOG

NOV 20 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level 3,823)

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

(Under Chapter 237, Montana Session Laws, 1961)

0 - 3 1/2 top soil

Owner Harry D. Feldbahn Address 707 Heather Dr. Missoula

3 1/2 - 10 gravel & sand

Driller Harold K. Pickens Address 3624 So. Ave. Missoula

10 - 25 sand & water

Date of Notice of appropriation of groundwater _____

Date well started 6/16/68 Date completed 6/17/68

25 - 40 sand gravel & water

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

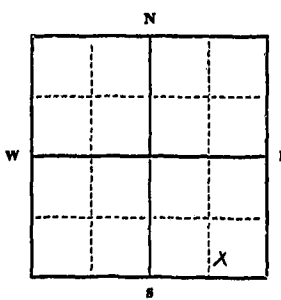
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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.

40 - 45 red clay no water

Size of Drilled	Size and Weight	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 inch	4 inch, D, 10.75 per ft.	0	52	1 1/2 - 2 slots	51	50

45 - 52 gravel & water



Static Water Level for non-flowing well 7 ft of top feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 45 ft of top feet at _____ gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested compressor

Length of Test 3 hrs.

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

*Lot 7, Blk. 1
College Grove Addition*

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. 52 ft.

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

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

71
Driller's License Number

Harold K. Pickens
Driller's Signature.

44,780

1339

276401

I received and filed this instrument for
 record on the 18 day of Nov. 1902
 at 2.00 o'clock P.M. permanent files,
 of Missoula County, State of Montana
 Witness my hand:
 Varamas R. Crouse, County Recorder
 By *M.A. Crouse*, Deputy
 Fee *2.00* Paid *check*

THIS INSTRUMENT IS FILED IN THE
 RECORDS OF THE COUNTY OF
 MISSOULA, MONTANA, THIS
 18th DAY OF NOVEMBER, 1902.
 VARAMAS R. CROUSE, COUNTY RECORDER

File No. _____

STATE WATER CONSERVATION BOARD

T. 13 R. 2e 23

DUPLICATE

JUL 24 1967

County Missoula

LOG

M. Dermott
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level 5,225)

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

(Under Chapter 237, Montana Session Laws, 1961)

0 - 2 1/2 top soil

Owner John Fraser Address 7th St. Missoula

2 1/2 - 6 gravel

Driller Harold K. Pickens Address 3524 So. Ave. Missoula

Date of Notice of appropriation of groundwater _____

6 - 21 gravel sand & water

Date well started June 9th 1967 Date completed June 12th 1967

21 - 45 sand & water

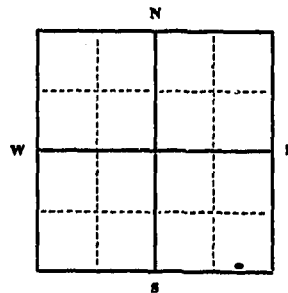
Type of well Driven Equipment used sable tool
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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.

45 - 52 gravel & water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 inch	4 inch 10.75	0	52	slots 1 1/2 x 1/2	51	47



Static Water Level for non-flowing well 51.5 ft. at 50 ft.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 51.5 ft. at 100 feet at 40 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested CONCRETE

Length of Test 5 hrs.

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

SE 1/4 SE 1/4 Sec. 28, T. 12, R. 20
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.

52 ft.

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

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

Driller's License Number 71

Harold K. Pickens
Driller's Signature.

42, 164

1725 262521

I received and filed this instrument for record on the 1st day of July, 1967, at 2:04 o'clock P.M., permanent files of Missoula County, State of Montana. Witness my hand: Veramog R. Crouse, County Recorder. By [Signature] Deputy. Fee \$ 2.00 Paid.

Deposited in the office of the County Recorder
 Missoula, Montana
 July 1, 1967
 Veramog R. Crouse, County Recorder

File No. _____

T. 13. R. 23

14
23

DUPLICATE

County Missoula

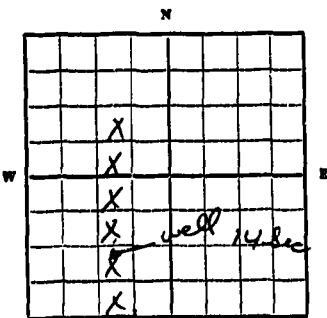
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

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

STATE ENGINEER

1. Dick & Bertin Dray 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:



W 1/2, E 1/2, SW 1/4 23 sec
W 1/2, NE 1/4, NW 1/4
W 1/2 S.E. 1/4 NW 1/4 Sec. 14 T. 13. R. 23

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

2. The beneficial use on which the claim is based Domestic & irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940 onwards

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 miner 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 1-2 acres garden sugar beets, grain & alfalfa ground Bertin Dray

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1/2 hp electric motor & pump located just south west of homestead 100 ft

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 S. 1 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 Dray, 8 inch tube, 4 inch casing, 12 ft deep

10. The estimated amount of groundwater withdrawn each year 2,645,000 gal

11. The log of formations encountered in the drilling of each well if available 6 ft of top soil & 6 ft of sand, gravel & rock

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

Signature of Owner Bertin Dray

Date 12/19/63

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

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

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

721

215-130

I received and filed this instrument for
record on the 20 day of Dec 1965
at 11:26 o'clock A.M., permanent file
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By Walt [Signature] Deputy
Fee \$ 2.00 Paid

File No. _____

RECEIVED

T. J. R. 2.

DUPLICATE

MAY 1 1970

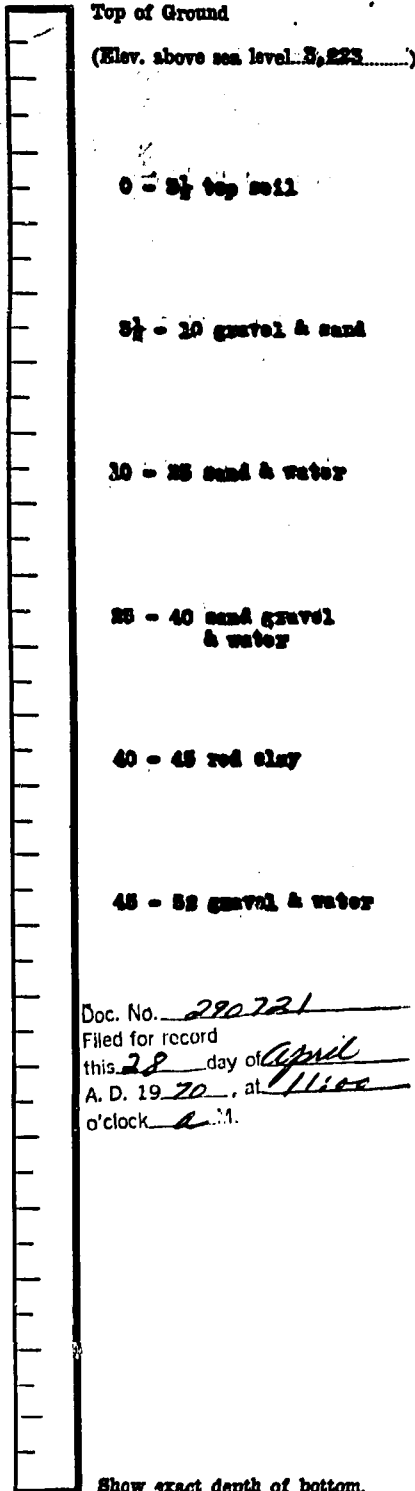
County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)



Owner Vernon Lind Address Cottage Grove Main

Driller Harold K. Pickens Address 6434 So. Ave. Helena

Date of Notice of appropriation of groundwater _____

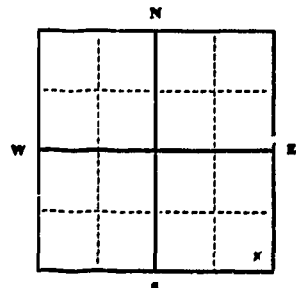
Date well started 4/14/68 Date completed 4/15/68

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)
4 inch	4 in. O.D. 10.75 per ft	0	50	slots full	58	48



Static Water Level for non-flowing well 6 ft. of 10 feet

Shut-in Pressure for Flowing Well _____

Pumping Water Level 2 ft. of 10 feet at 35 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested CONCRETE

Length of Test 3 1/2 hrs.

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

Sec. 23, T. 13 R. 20. 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.

58 ft.

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

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

71
Driller's License Number

Harold K. Pickens
Driller's Signature.

46402 4/24/68

1082
Q

290721

I received and filed this instrument for
record on the 2nd day of Apr 1978
at 11:00 o'clock A.M. pursuant to Law
of Missouri County, State of Missouri
Witness my hand:
Vernon R. G. [unclear] Recorder
By Marilyn A. [unclear] Deputy
Fee \$.75 Paid ck.

APR 1978

APR 1978

File No. _____

T. 13 N. R. 20 W. 73

TRIPPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 3 1963

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

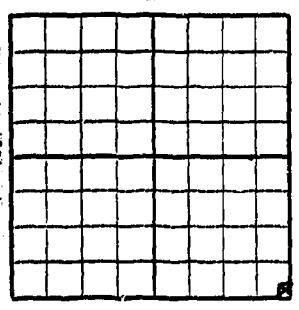
Gordon Angus Mac Donald

Grace R. Mac Donald
(Name of Appropriator)

4704 S. 7th W. Missoula
(Address) (Town)

County of Missoula State of Montana

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



S. 7 W. 7
1/4 Sec. 23 T. 13 N. R. 20 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 + Garden Lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been March 1962
Continuous use

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March 1962

8. The depth of water table 30'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 45' Deep Driven well 3" casing

10. The estimated amount of groundwater withdrawn each year approx. 7500 gal.

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

Signature of Owner Gordon Angus Mac Donald
Grace R. Mac Donald
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.

7730

349

213600

copy

I received and filed this instrument for
record on the 29 day of Nov 1963
at 3:10 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand
MARTIN S. DEHNKE, County Recorder
By Ethel Lane Deputy
Fee \$ 2.00 Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—45642

File No. _____

MONTANA WATER RESOURCES BOARD

T. 13N R. 20W 23

DUPLICATE

RECEIVED

County Missoula

LOG

JUN 21 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



Top of Ground
(Elev. above sea level 5,222)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0 - 3 1/2 top soil

Owner: Montana Contractors Corp. Address: Cottage Grove, Ala.

Driller: Harold K. Pickens Address: 5224 So. Ave. Nela.

Date of Notice of appropriation of groundwater: _____

3 1/2 - 10 gravel & sand

Date well started: 3/29/68 Date completed: 3/29/68

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

10 - 25 sand & water

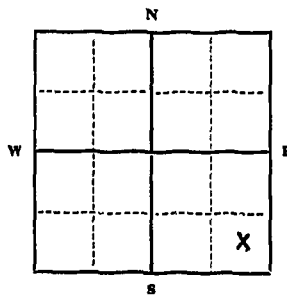
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

25 - 40 sand gravel & water

Size of Drilled Hole	Size and Weight of Casing (Dug, driven, bored or drilled)	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 inch	4 in. L. 10.78 lbs per ft.	0	52	slots 3/4"	52	48

40 - 45 red clay

45 - 52 gravel & water



Static Water Level for non-flowing well
6 ft. of top feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 8 ft. of top feet
at 45 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) _____

55 Sec. 23 T. 13N R. 20W
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.
52 ft.

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

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

72
Driller's License Number

Harold K. Pickens
Driller's Signature.

44248

1802

272309

I received and filed this instrument for
 record on the 19 day of June 1968
 at 2:05 o'clock P.M. permanent files
 of Missouri County, State of Montana
 Witness my hand
Veronica R. C. ... County Recorder
By M. ... Deputy
 Fee \$ 2.00

Proportion of net pay after all deductions
 has been withheld and paid to the
 employee in full amount of \$12.00
 on 19 day of June 1968
Veronica R. C. ...
 County Recorder

File No. _____

T. 13 R 20.75

DUPLICATE

MONTANA WATER RESOURCES BOARD

County Missoula

RECEIVED

LOG

JUN 12 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level 5,225)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0 - 5 1/2 top soil

Owner Jim Nichols Address _____

5 1/2 - 10 gravel & sand

Driller Harold K. Pickens Address 3624 So. Ave.

Date of Notice of appropriation of groundwater _____

Date well started 3/20/68 Date completed 5/20/68

10 - 25 sand & water

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

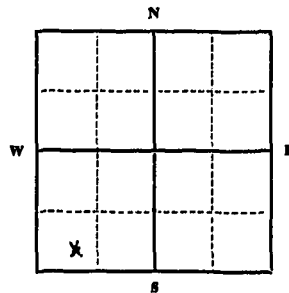
25 - 40 sand gravel & water

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.

40 - 45 red clay

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 inch	4 in. I.D. 1075 per. ft.	0	49	slots 4x1 1/2	49	45

45 - 49 gravel & water



Static Water Level for non-flowing well 8 ft. of top feet.
Shut-in Pressure for Flowing Well _____
Pumping Water Level 8 ft. of top feet at 45 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) _____

SE 1/4, 1/4 Sec 23 T. 13 R. 20

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.

49 ft.

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

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

Driller's License Number _____

Harold K. Pickens
Driller's Signature

441220

#1800

RECORDED

271976

I received and filed this instrument for
 record on the 19 day of June 1968
 at 11:32 o'clock A.M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Vance R. Crooke, County Recorder
 By *[Signature]* Deputy
 Fee \$ *2.00* Paid

MISSOULA COUNTY RECORDS DEPARTMENT
 1000 N. W. 1st Street
 Missoula, Montana 59802
 Phone (406) 543-2222

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4362

File No.

MONTANA WATER RESOURCES BOARD

T. 13 N R 20 W

DUPLICATE

RECEIVED

County Missoula

LOG

APR 2 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 3,225)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0 - 2 1/2 top soil

Owner James M. Nagra Address 704 Heather Dr, Missoula

2 1/2 - 8 gravel & sand

Driller Harold K. Pickens Address 3624 So. Ave. Missoula

Date of Notice of appropriation of groundwater

Date well started 11/14/68 Date completed 11/15/68

8 - 42 gravel sand & water

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

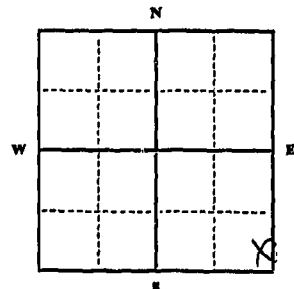
42 - 45 red clay no water

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.

45 - 54 sand water & small gravel

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 inch	4 inch I. D. 10.75 per ft.	0	62	1 1/2 x 1/2	61	57

54 - 62 gravel & water



Static Water Level for non-flowing well 6 1/2 ft. of top feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 6 ft. of top feet at 45 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)

SE 1/4 Sec 23 T. 13 N. R. 20 W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

62 ft.

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

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

71
Driller's License Number

Harold K. Pickens
Driller's Signature.

45,097

1867

INDEXED

299968

I received and filed this instrument for
 record on the 31 day of Mar. 1969
 at 1:45 o'clock P.M., permanent file
 of Missoula County, State of Montana
 Witness my hand:
 Veramo R. Crouse, County Recorder
 By Veramo R. Crouse
 Fee \$ 2.00 Paid

MISSOULA COUNTY, MONTANA
 RECORDS DEPARTMENT
 100 WEST MAIN STREET
 MISSOULA, MONTANA 59801
 PHONE 548-1111

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 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 Harold A. and Gail Palmer

Address Clements Road

Missoula, Montana

Date well started 12/21/67

completed 12/22/68

For Administrator's Use	
File	<u>2034</u> <u>August 25, 1970</u> <u>H. S. P. D.</u>
GW 1	

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

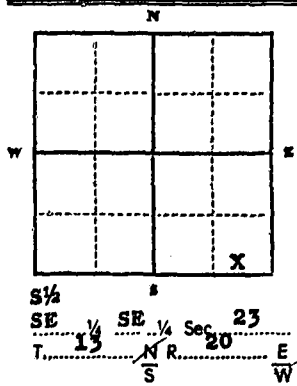
Equipment used Well driving rig
(Chain drill, rotary or other)

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). Lots 9 & 10 Cottage Grove Addition, approximately 1/2 acre

ESTIMATED ANNUAL WITHDRAWAL Unknown

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"	4 1/2	64	Torch out	60	64



Static water level 9 ft.*
Pumping water level 15 ft.*
at 60 gallons per minute,
measured 3 1/2 hours after pumping began.
*Measured from ground level.
Well developed by Air Lift for 3 1/2 hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through perforations in the casing.
Wells in this area can

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

Driller's Signature Will and Gail Palmer

Driller's Address 2500 Reserve Street

Missoula, Montana LICENSE NO. 52

DRILLER'S LOG

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

Top of Ground		Approx. 3120'
From (Feet)	To (Feet)	(Elev. above sea level)
0	4 1/2	Pit.
4 1/2	17	Gravel and cobblestone.
17	34	Silty sand and gravel.
34	39	Sand and gravel mixed in tan clay.
39	47	Clay.
47	58	Fine sand.
58	64	Clean coarse sand and gravel. Water.

64 ft. Show exact depth of bottom water rises in well 9 feet to surface.
47413

#2034

I received and filed this instrument for
record on the 25 day of Aug, 1970
at 7:25 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
James A. Crouse, County Recorder
By James A. Crouse, Deputy
Fee \$ 7.50 Paid

be depended upon to produce clear sand free water year after year
as long as they are not overpumped, i.e., they should be pumped at
rates not in excess of 25 to 50 percent of the tested capacity of
the aquifer.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

SEP 14 1970

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner John M. Pritzl

Address 909 WALKER DRIVE

MISSOULA, MT.

Date well started Aug '70

completed Aug '70

Type of well Drilled

Equipment used Churn Drill

Water Use: Domestic Municipal Stock Irrigation

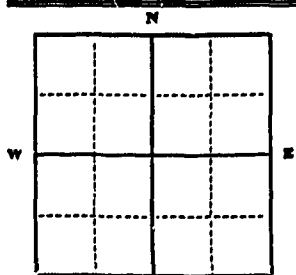
Industrial Drainage Other * Garden/Lawn

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6" id	4.20	0	55	Does Not Apply		



S.E. 1/4 S.E. 1/4 Sec. 23
T. 13 N. R. 20 W. E

Static water level 10 ft.*
Pumping water level 11 ft.*
at 20 gallons per minute,
measured 100 minutes after pumping
began.
*Measured from ground level.
Well developed by air pump
for 2 hours.
Power 220 Pump 1 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

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

Driller's Signature Engene J. Kane

Driller's Address St. Regis, Mont.

LICENSE NO. 23

Top of Ground		(Elev. above sea level)
From (Foot)	To (Foot)	
0	2	Soil
2	5	Saw dust
5	22	GRAVEL
22	28	GRAVEL & CLAY
28	52	FINE SAND WATER
52	55	GRAVEL - WATER

55 Show exact depth of bottom

47497

2037

294625

I received and filed this instrument for record on the 4 day of Sept. 1970 at 11:25 o'clock A.M. permanent files of Missoula County, State of Montana

Witness my hand:
 Kenneth B. Cross, County Recorder
[Signature]
 Deputy
 Fee \$ 1.00 cash Paid

RECORDED

INDEXED

paid
1/4/71

File No. _____

T. 13 R. 20 23

DUPLICATE

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

4400 S. 7th West

Owner MYRON SIMMONS Address MISSOULA, MONTANA

Driller C.K.C. Drilling Address Box 670, Missoula

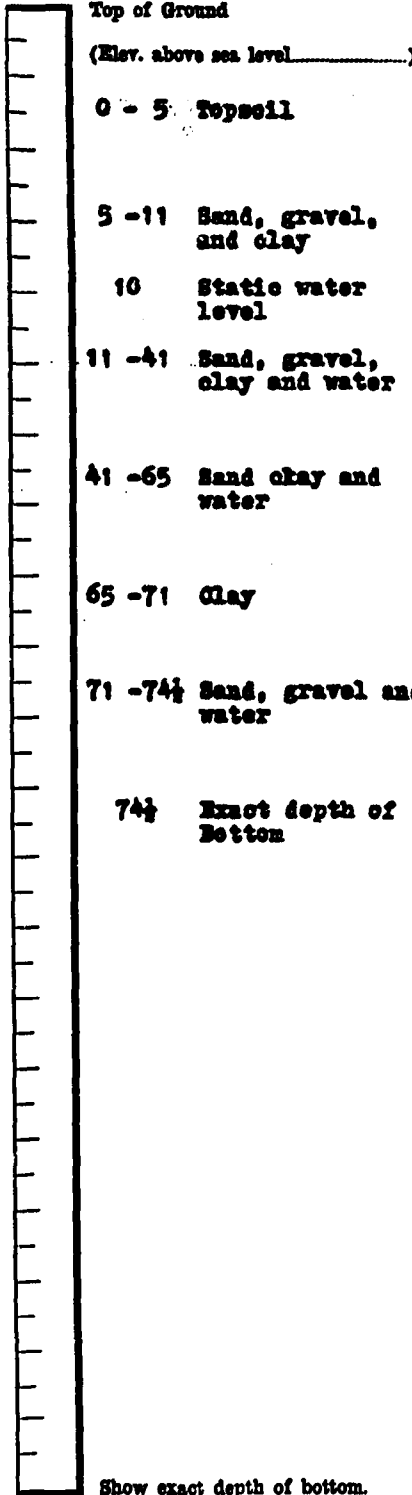
Date of Notice of appropriation of groundwater _____

Date well started Oct. 10, 1969 Date completed Oct. 15, 1969

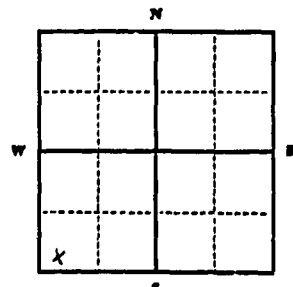
Type of well Drilled Equipment used Churn drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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" 17#	1' up	74 1/2'	---	---	---



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well _____

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

Discharge in gal. per min. of flowing well _____

How Tested COMPRESSOR (air lift)

Length of Test 3 hours

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

S2 1/2 Sec 20 T. 13 R. 20
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.

185

Driller's License Number

Charles F. McNamee
Driller's Signature.

45809

286104

received and filed this instrument for
record on the 3rd day of July, 1969
at 11:00 o'clock P.M. permanent files
of Missoula County, State of Montana ;
Witness my hand:
Vermon E. Croase, County Recorder
By William P. Croase, Deputy
For S.L.S.S.

MONTANA WATER RESOURCES BOARD
RECEIVED
NOV 5 1969

File No. _____

MONTANA WATER RESOURCES BOARD

T. 13N R. 20W

RECEIVED

DUPLICATE

County Missoula

LOG

NOV 23 1970

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)



Top of Ground Approx.
(Elev. above sea level 5110 ft.)

Formations Log:

- 0 - 14 Dirty gravel.
- 14 - 41 Brown sand and some fine gravel.
- 41 - 57 Coarse gravel and fine sand.
- 57 - 65 Fine gravel and coarse sand.
- 65 - 69 Coarse gravel with thin seams of tan clay.
- 69 - 84 Clean coarse gravel and some sand. Water.

Owner Myron Sammons Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed.

Date well started 7/10/70 Date completed 7/14/70

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

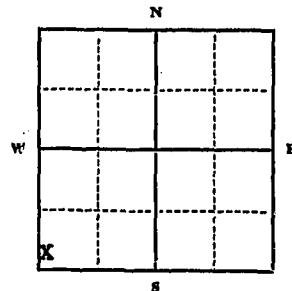
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/4"	+1.6"	70	6" Johnson Wire Wound Water Well Screen w/ continuous slot openings	70'	82'

A 5 9/16" OD Blank Tailpipe extends to 84 feet.

Water rises in well 5'6" to surface.



Static Water Level for non-flowing well 5'6" feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 19 feet at 200 gal. per minute.

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

How Tested Air Lift Pump

Length of Test 5 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through slot openings in screen, tailpipe has solid closed

bottom. (Continue on reverse side)

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

Approximately 20 acres.

Show exact depth of bottom.
Bottom of well 84 ft.

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

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

52

Driller's License Number

William F. Osborne
Driller's Signature.

417797

2063

RECEIVED

297022

I received and filed this Instrument for record on the 19th day of Nov. 1929 at 11.15 o'clock A.M. permanent files of Missoula County, State of Montana
 Witness my hand:
Veranus H. Crouse, County Recorder
 By W. A. Stone, Deputy
 Fee \$ 2.00 Paid

DATE TO RECORD

MISSOULA COUNTY RECORDER
 100 N. W. 1st St. Missoula, Mont.
 1929

RECORDED
 1929

MISSOULA COUNTY RECORDER
 100 N. W. 1st St. Missoula, Mont.
 1929

RECEIVED

County Missoula 23

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MAR 12 1973

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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.

(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 Math Swire

Address 4226 Judith Drive
Missoula, Mont.

Date well started 2/23/73
completed 2/24/73

Type of well Driven

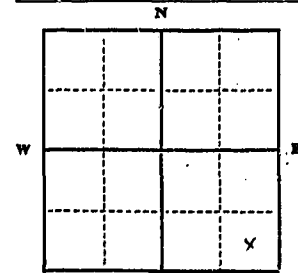
Equipment used Drinker

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)
5"	5" x 40	12	71'	SLOTS 3/4 x 6"	66	71



Static water level 9' ft.*
Pumping water level 8' ft.*
at 180 gallons per minute,
measured 2 minutes after pumping began.
*Measured from ground level.
Well developed by Compressor
for 3 hours.
Power 125 Gasoline HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Lot 4, BIK 38 Walker Add. #1
SE 1/4 SE 1/4 Sec. 23
T. 13 N. R. 20 E
S W

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

Driller's Signature Steve Stimpke
Driller's Address Western Drilling & Operating
Route 1 Big Flat
Missoula Mont. LICENSE NO. 238

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	8	SANDY SOIL
	9	STATIC WATER LEVEL
8	17	SAND GRAVEL
17	20	CLAY
20	26	SAND
26	35	SAND GRAVEL
35	40	SAND
40	45	CLAY
45	56	SAND
56	58	CLAY & ROCK
58	64	SAND
64	71	GRAVEL

71' Show exact depth of bottom

28

328883

I received and filed this Instrument for
 record on the 1 day of Mar 19 73
 at 1:45 o'clock P. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Dorothy L. Head, County Recorder
 By Linda B. Johnson, Deputy
 Fee \$ 2.00 Paid

AT CASE NO

REC'D
MAR 20 1973

MISSOULA COUNTY
 CLERK OF DISTRICT COURT
 MISSOULA, MONTANA

RECEIVED

File No. _____

T. 13N R. 20W 23

FEB 0 1968

County Missoula

DUPLICATE

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
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)

0 - 3 1/2 top soil

Owner Burdetta R. Yoss Address Heather Dr. Missoula

Driller Harold K. Pickens Address 3824 So. Ave. Missoula

3 1/2 - 10 gravel & sand

Date of Notice of appropriation of groundwater _____

Date well started 6/17/68 Date completed 6/18/68

10 - 25 sand & water

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

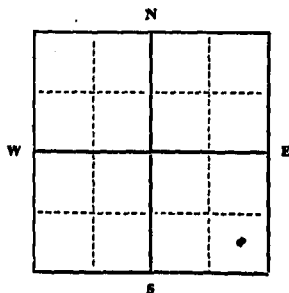
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

25 - 40 sand gravel & water

40 - 45 red clay no water

45 - 52 gravel & water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 inch	4 inch L.S. 10/8 per ft.	0	52	1 1/2 - 1/4 slots	51	47



Static Water Level for non-flowing well 7 ft of top feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 10 ft of top feet at 45 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) _____

SE 1/4 Sec. 23, T. 13, R. 20

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. 52 ft.

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

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

71

Driller's License Number

Harold K. Pickens
Driller's Signature.

44,981

#1858

RECORDED

278-5-37

I received and filed this instrument for
 record on the 4 day of Feb. 19 69
 at 11:20 o'clock A.M. permanent file.
 of Missoula County, State of Montana
 Witness my hand:
Veronica R. Crouse, County Recorder
 By Martha L. Head, Deputy
 Fee \$ 7.00 Paid cash

MISSOULA COUNTY RECORDER
 VERONICA R. CROUSE
 COUNTY RECORDER
 MISSOULA, MONTANA
 DEPT. OF REVENUE
 MISSOULA, MONTANA

File No. _____

T. 13 R. 20 23

DUPLICATE

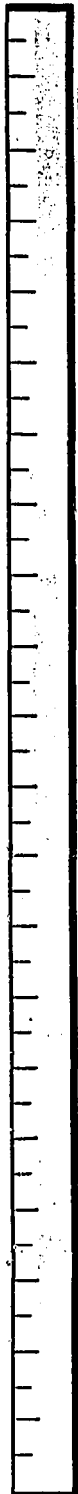
LOG

MONTANA WATER RESOURCES BOARD
RECEIVED

County Mesa

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

OCT 21 1966



Top of Ground

(Elev. above sea level 5,323)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0-3 1/2 top soil

3 1/2 - 10 gravel & sand

10 - 25 sand & water

25 - 40 gravel sand & water

40 - 45 red clay

45 - 55 sand & water

55 - 62 gravel & water

Owner Charley Wheeler Address 7th St. W.

Driller Harold K. Pickens Address 3424 So. Ave.

Date of Notice of appropriation of groundwater _____

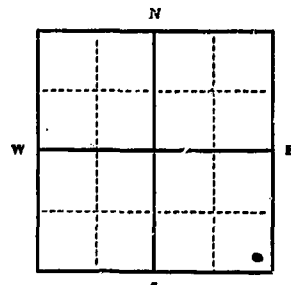
Date well started 10/2/66 Date completed 10/10/66

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)
4 inch	4 inch I D wt. 1075	0	62	slots 1/2 - 1 1/2	62	62



Static Water Level for non-flowing well 8 ft. of top feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 12 ft. of top feet at 40 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested compressor

Length of Test 3 hrs

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

8 E 10 56 Sec. 23 T. 13 R. 20
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. 62 ft.

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

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

Driller's License Number _____

Harold K. Pickens
Driller's Signature.

44,702

0

5828

275418

I received and filed this instrument for
 record on the 11 day of Oct 1968
 at 9:45 o'clock A.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Vermae E. Crouse, County Recorder
 By Della E. Crouse, Deputy
 Fee \$ 2.00 Paid

RECORDED
 INDEXED
 MISSOULA COUNTY, MONTANA
 OCT 11 1968
 DEPT. OF CLERK & REC'D

RECEIVED

File No. 326274

T. 13N R 20W

TRIPLICATE

County Missoula 23

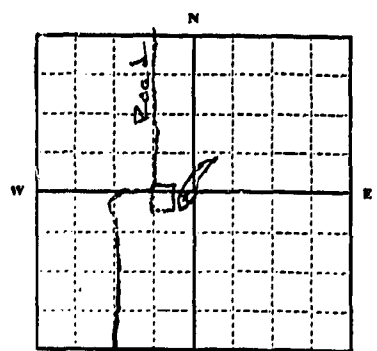
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

John T. Wood

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

1. I, John T. Wood, of 2805 Ocean 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.
2. The beneficial use to which water is to be applied is Domestic and Irrigation of dry land (wheat)
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 200
miner's inches
4. The annual period (inclusive dates) of intended use 365 Days Jan 1 to Dec 31
5. The probable or intended date of first beneficial use Not known
6. The probable or intended date of commencement and completion of the well* or wells*
Not known
7. The location, type, size and depth of well or wells contemplated Not known
8. The probable or estimated depth of the water table or artesian aquifer Not known (Surface)
9. Name, address and license number of the driller engaged Not engaged

10. Give such other similar information as may be useful in carrying out the policy of this act. This appropriation is intended for future use. Source is existing Slough or pond. Water to be pumped from surface or subsurface



Doc. No. 2386 326274
Filed for record
this 27 day of Dec.
A. D. 1972 at 9:15
o'clock A. M.

23 13N
E 1/4 Sec 25 T 13N R 20W
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator *John T. Wood*
Date 12-27-72

* 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.

326 274

2386

I received and filed this instrument for
 record on the 27 day of Dec. 1922
 at 9:15 o'clock A.M. permanent files
 of Missoula County State of Montana
 Witness my hand.
 Vernon A. Cross, County Recorder
 By May Shelby Deputy
 For L. Beach Pro

ADDENDUM

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

Name of owner: Erick Roastrom

Corrected land description: 1 NE 1 SE 1 SW
Sec. 24 T13N R20W

Initials: CS

3725 S. 310 W

File No. _____

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 13^N R. 20^W 24
County Missoula

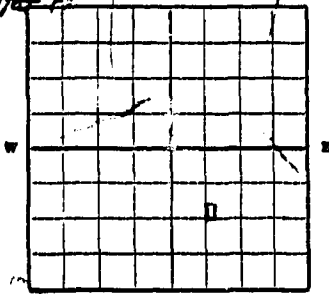
RECEIVED
DEC 13 1963

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

1. Arthur E. Babas, of 3538 S. 3rd 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:

*Dist. of Map #5 Pt. 22
Plate 1*



NW 1/4 SE Sec 24 T13 R20

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

2. The beneficial use on which the claim is based domestic use, livestock, irrigating

3. Date or approximate date of earliest beneficial use; and how continuous the use has been February 3, 1942

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre, used for few head livestock, garden, pasture, lawn

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Began 1-25-42 and completed 2-3-42

8. The depth of water table 39 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, steel casing, 39 ft. deep with electric pump

10. The estimated amount of groundwater withdrawn each year 479,200 gal.

11. The log of formations encountered in the drilling of each well if available 5 ft. soil, gravel, conc
23 ft. boulders, sand, some clay
8 ft. gravel, sand, clay
3 ft. coarse sand and gravel

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

Signature of Owner _____

Date December 11, 1963

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

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