

STATE WATER CONSERVATION BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—42262

MAY 19 1966

File No. ....

DUPLICATE

Eng. \_\_\_\_\_ McDermott \_\_\_\_\_  
 Butzerin \_\_\_\_\_ McNulty \_\_\_\_\_  
 Ceyla \_\_\_\_\_ Morton \_\_\_\_\_  
 Darlington \_\_\_\_\_  
 Dickert \_\_\_\_\_

T. 13<sup>N</sup> R. 18<sup>W</sup>

County Missoula

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 5-17-66

Owner Warren Cambridge Address 2804 So. Ave. West

Contractor (if any) \_\_\_\_\_

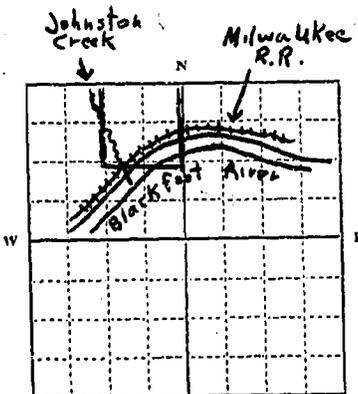
Address of Contractor \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water will be obtained by irrigation channels from main stream (Johnston Creek). Also there is a possibility creek will eventually be dammed across my property.

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

estimate approximate lengths of periods of use. Water will be in continuous use for drinking water - irrigation - fishing, etc.



Less River right of way NE 1/4 NW Sec. 19 T. 13. R. 18

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

Signature of Owner Warren Duane Cambridge

Date 5-17-66

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

# 1606

250 351

I received and filed this instrument for  
record on the 17 day of May 1966  
at 12:15 o'clock P.M. permanent files  
of Missoula County, State of Montana  
Witness my hand:  
Vernon H. Crouse, County Recorder  
By Marilyn S. Reed, Deputy  
Fee \$ 2.20 Paid Cash

STATE WATER CONSERVATION BOARD  
File No. **RECEIVE**  
**DUPLICATE** SEP 3 1965

T. 13<sup>N</sup> R. 18<sup>W</sup>  
County Missoula

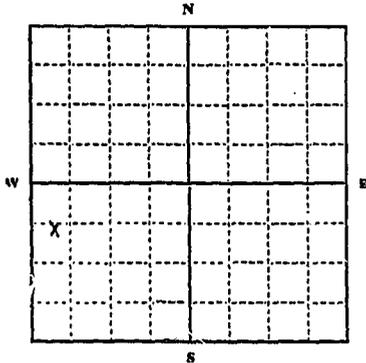
STATE OF MONTANA  
REFERRED TO ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ellis, Hollis L. & Etta L., of Star Bks. Bonnar  
(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. 14, T. 13, R. 18.

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

IN SW 1/4 NE 1/4, PLAT R  
IN SW 1/4 NE 1/4, PLAT K-1

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 March 1948, since completion

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  
50-100ft. lawn

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
household electric pump, located on property described

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

8. The depth of water table 30 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 in. casing 70 ft. deep

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record no record

Hollis L. Ellis  
Signature of Owner Etta L. Ellis  
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.

39523

1526

241010

I received and filed this instrument for  
 record on the 3<sup>rd</sup> day of Aug 19 65  
 at 4:50 o'clock P.M., present files  
 of Missoula County, State of Montana  
 Witness my hand:  
 Orange R. Crouse County Recorder  
 By *Debra Williams* Deputy  
 Fee \$ 2.00 Paid

File No. ....

T. 13N. R. 18 W.

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

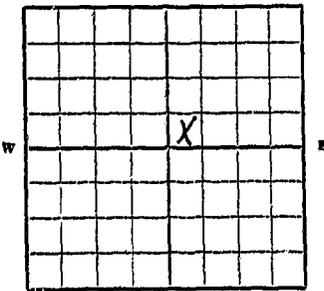
RECEIVED  
JUL 3 - 1963

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

STATE ENGINEER

1. We, Frank Rosich and Adelaide M. Rosich, his wife, of Bonner  
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 14 T/13 R/18

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 23, 1963, - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 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 a tract of land situated in SW 1/4 Sec. 14, T. 13 N., R. 18 W., M.P.N., approx. 3 acres. - Owners: Frank Rosich and Adelaide M. Rosich, his wife

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 do not know; Purchased property on April 23, 1963; well completed prior to that date. Prior owners: I. D. Kline and Abbie F. Kline, his wife.

8. The depth of water table well is approximately 40 feet deep

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater not applicable

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

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

Signature of Owner Frank Rosich  
Adelaide Rosich  
Date June 21st, 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.

# 206 *copy*

207871

I received and filed this instrument for  
 record on the *28<sup>th</sup>* day of *April*, 19*68*  
 at *1:12* o'clock *P.M.* permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 MARTIN S. BERNER, County Recorder  
 By *[Signature]* Deputy  
 Fee \$ *2.00* Paid

RECORDED

APR 28 1968

RECEIVED

STATE OF MONTANA  
STATE PUBLISHING COMPANY

County Missoula

13

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL  
RESOURCES AND CONSERVATION

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 Dept. of Highways

Address Helena, Montana

Date well started December 30, 1970 GW 1

completed Jan. 5, 1971

Type of well Drilled

Equipment used Charn Drill

Water Use: Domestic  Municipal  Stock  Irrigation

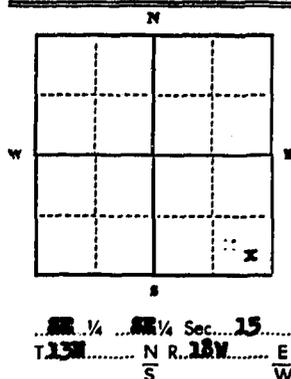
Industrial  Drainage  Other  Garden/Lawn

\*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 (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"		0.0'	25.7'	Screen	25.2'	30.2'



Static water level 19.5 ft.\*  
Pumping water level 19.5 ft.\*  
at 30 gallons per minute,  
measured        minutes after pumping  
began.

\*Measured from ground level.  
Well developed by Pumped  
for 8 hours.

Power        HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff) 020 slot  
Johnson Iron well screen.

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

Driller's Signature Kenneth R. Healy

Driller's Address Helena, Montana 59601

LICENSE NO. 208

Top of Ground (Elev. above sea level) 3278.2

From (Feet)	To (Feet)	Description
0.0	2.0	Dense brown sand/clay material.
2.0	3.0	Soft brown sandy gravel.
3.0	5.0	Dense brown sandy gravel.
5.0	14.0	Very dense brown silty clay with gravel.
14.0	25.2	Dense brown sandy gravel with water at 19.0'.
25.2	30.2	Dense-silt, color river gravel with water.
30.2		Bottom hole in same material.

30.2 ft. Show exact depth of bottom

50,426

#2277 316887  
I received and filed this instrument for  
record on the 17 day of May 1972  
at 2:30 o'clock P. M. between Hiss  
of Missouri County, State of Missouri  
Witness my hand  
James A. Jones County Records  
By Thomas J. Jones Deputy  
Fee \$ None Paid

RECORDED  
MAY 17 1972  
MISSOURI COUNTY RECORDS  
MOUNTAIN VIEW, MISSOURI

MISSOURI COUNTY RECORDS  
MOUNTAIN VIEW, MISSOURI

RECORDED  
MAY 17 1972  
MISSOURI COUNTY RECORDS  
MOUNTAIN VIEW, MISSOURI

STATE HIGHWAY COMMISSION OF MONTANA  
Helena, Montana

FORM TO ACCOMPANY MISCELLANEOUS SAMPLES SENT FROM **RECEIVED**

MAY 22 1972

Helena Lab. No. 405975 Project No. E-237(20) 15

Designation of Project Bonner Weight Station - 149.5' Lt. Centerline MONTANA DEPARTMENT OF NATURAL RESOURCES CONSERVATION

Date Sample Rec'd Jan. 6, 1971 Field No. \_\_\_\_\_

Name of Material Water Well

Grade or Type \_\_\_\_\_ Trade Name \_\_\_\_\_

Manufacturer of Material \_\_\_\_\_

Jobber or Dealer Directly Supplying Material \_\_\_\_\_

Quantity of Material Sample Represents \_\_\_\_\_

If this is a check or resample, please indicate \_\_\_\_\_

Name of Sampler Nost Title Driller

Address \_\_\_\_\_ Date of Sampling \_\_\_\_\_

Use this FORM ONLY when other Forms are not already provided.

Remarks \_\_\_\_\_

pH = 7.8

CO<sub>2</sub> = None

Phenolphthalein Alkalinity = 8.1 PPM CaCO<sub>3</sub>

Methyl Orange Alkalinity = 147.2 PPM CaCO<sub>3</sub>

Total Hardness = 144 PPM CaCO<sub>3</sub>

Total Solids = 160 PPM

Conductivity = .24 M.MOHS

Water is not corrosive or incrusting to metal.

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

TRIPPLICATE

13<sup>N</sup> 18<sup>W</sup> 16  
Twp. R  
W. Riverside Bk. 3 Lot 7 & 8  
County. Missoula

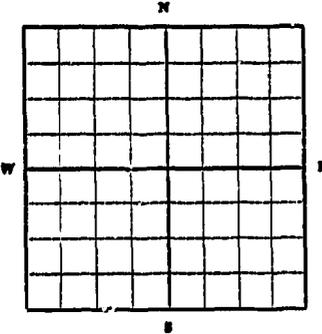
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 19 1963

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

STATE ENGINEER

1. Mrs. Aileen Anderson, Route 4, Missoula  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



5 1/2 5 1/2  
1/4 Sec. 12 T13N R12W  
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 and yard water sold to 5 or other houses.
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been .....  
Built 1914 60' deep hand pump  
IN 1924 Drilled to 100ft. Electric motor installed.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) not metered around .....  
40 gallons
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof .....
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal .....  
1 well - Myers Electric Pump  
and a 300 gallon tank
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater started 1914 rebuilt 1924
- 8. The depth of water table about 30 feet in water casing
- 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 of well 100 feet 2" water casing
- 10. The estimated amount of groundwater withdrawn each year not metered around 25,484,000
- 11. The log of formations encountered in the drilling of each well if available .....  
Don't know
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. Don't know

Signature of Owner Mrs. Aileen Anderson  
Date Dec. 18, 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.

10434

436

214456

*copy*

I received and filed the instrument for  
record on the 18 day of Oct 1963  
at 11.10 o'clock P.M., permanent files  
of Missoula County, State of Montana  
Witness my hand:  
MARTIN E. BEHNER, County Recorder  
By Peggy Lane Deputy  
Fee 12.50 Paid

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

DUPLICATE

T. 13 N. R. 18 E. 16

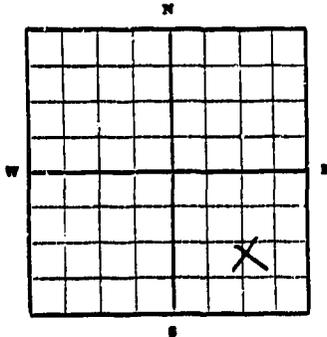
County MISSOULA

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964  
STATE ENGINEER

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

1. Leif H. Anderson of Pt. #4 Missoula  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 16 T. 13 R. N. 18 W

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

- 2. The beneficial use on which the claim is based Household and yard
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1952 and continuous since
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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 Residential lots only
- 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 \_\_\_\_\_
- 8. The depth of water table 56 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 casing 7 1/2 ft. deep
- 10. The estimated amount of groundwater withdrawn each year 2 million
- 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 Leif H. Anderson  
Date 12/30/63

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.

648

215099

I received and filed this instrument for record on the 7th day of Dec 1966 at 10:46 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:  
**MARVIN S. BEHNER**, County Recorder  
 By M. S. Behner  
 Fee \$ 5.00 Paid


MISSOULA COUNTY

215099  
 MISSOULA COUNTY  
 THE number of documents on page (in original copies of Certified)

*[Handwritten signature]*

File No. ....

T. 13<sup>N</sup> R. 18<sup>W</sup> 16

DUPLICATE

County Missoula

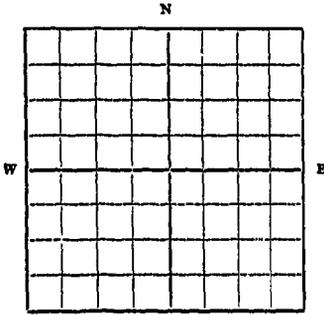
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
NOV 12 1963

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1963) STATE ENGINEER

1. Vernon M. Anderson (Name of Appropriator), of Route 43 east Riverside 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:



Lot 9 Block 2  
S 1/4 SW 1/4 Sec. 16 T13. NR 18 W

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since 1930 + used continuously to the best of my knowledge

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 Doesn't Apply

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Jet Pump + is located in Lot 9 + Block 2 of East Riverside

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Not known about 1930

8. The depth of water table 20'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Depth 9.3 ft - 6.6 feet to water

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 Rock Formation

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 Vernon M. Anderson

Date Oct. 19 1963

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

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

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

# 311

copy

212735

ENCLOSURE

I received and filed this instrument for  
 record on the 7 day of Nov. 1963  
 at 9:25 o'clock A.M. permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 MARTIN S. SEBNER, County Recorder  
 By *Darlene Adkins* Deputy  
 Fee \$ 2 ..... Paid

MONTANA WATER RESOURCES BOARD

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

T. 13N R. 18W 16

**RECEIVED**

DUPLICATE

JUL 17 1968

County Missoula

LOG

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

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

APPROX.

(Elev. above sea level 3250')

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

**Formations Log:**

- 0 - 1 Top soil.
- 1 - 13 Boulder & clay.
- 13 - 27 Muddy gravel.
- 27 - 38 Sandy brown clay.
- 38 - 77 Brown clay
- 77 - 88 Sand & gravel imbedded in clay.
- 88 - 101 Sand & gravel Water.
- 101 - 105 Coarse sand & gravel. Water

Owner John F. Bantrup Address Bonner, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 1/14/66 Date completed 1/18/66

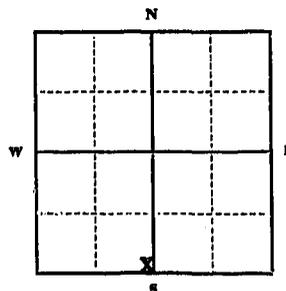
Type of well Drilled Equipment used Cable Tools  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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"	+1'7"	105'	N	O	N

Height to which the water rises in well 78' from surface



Static Water Level for non-flowing well 78 feet.

Shut-in Pressure for Flowing Well None.  
Pumping Water Level 94' feet  
at 100 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) All water entering well through open bottom of six inch casing.

SE 1/4 SW 1/4 SE Sec 16 T. 13N R. 18W  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Lots five (5) & six (6) in Block nine (9) of West River Side Addition Number one (1)

Show exact depth of bottom.

Bottom of hole 105'

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

44, 323

1806

272939

I received and filed this instrument for  
 record on the 15 day of July, 1918  
 at 9:30 o'clock A.M. permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 Vermae R. Cruse, County Recorder  
 By M. M. Conway Deputy  
 Fee \$ 2.00 Gold

RECEIVED

JUL 15 1918


MISSOULA COUNTY RECORDER  
 MISSOULA, MONTANA

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

T. 13 R. 18 16

DUPLICATE

County \_\_\_\_\_

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

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

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

(Under Chapter 257, Montana Session Laws, 1961)

0-2 Black Dirt & Gravel

2-16 Tan Clay, Gravel & Boulders

16-22 Light Tan Clay, Gravel, Cobblestones

22-29 Light Tan Clay Boulders

29-37 Light Tan Clay & Gravel

37-51 Light Tan Clay Boulders

51-63 Light Tan Clay Gravel

63-68 Cobblestones & Gravel

68-84 Light Tan Clay & Gravel

84-96 Sand, Gravel and Water

96-97 1/2 Gravel and Water

Owner: Marshall Brondum Address: Rt. 4, W. Riverside Missoula, Montana  
Driller: Camp Well Drilling & Pump Supply Address: 1522 S. 14th W. Missoula, Montana

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

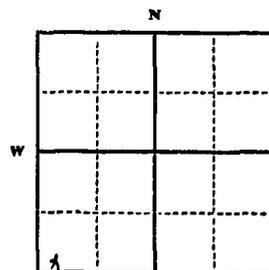
Date well started AUG. 25, 1962 Date completed AUG. 28, 1962

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 Casings	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I.D.	6" I.D. 17 lb per ft.	16" above G.L.	97' 6"		None	



Static Water Level for non-flowing well \_\_\_\_\_ feet.  
Shut-in Pressure for Flowing Well \_\_\_\_\_ feet.  
Pumping Water Level \_\_\_\_\_ feet  
at \_\_\_\_\_ gal. per minute.  
Discharge in gal. per min. of flowing well \_\_\_\_\_

How Tested Ballow  
Length of Test 4 hours

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

Scale  
Indicates 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  
Philip Balke  
Driller's Signature. Camp Well Drilling & Pump Supply  
45636

41931

284545

I received and filed this instrument for  
 record on the...*21*... day of...*Sept*...*1969*  
 at...*1:15*... o'clock...*P.M.*... permapow file  
 of Missoula County, State of Montana  
 Witness my hand:  
*Vernon R. Cross, County Recorder*  
 By *Christy L. Reed* Deputy  
 Fee \$...*7.25*... Paid *cash*


RECEIVED  
 SEP 15 1969  
 MONTANA WATER RESOURCES BOARD

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

MONTANA WATER RESOURCES BOARD  
**RECEIVED**

T. 13 N. R. 18 W

DUPLICATE

County MISSOULA

LOG APR 7 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**  
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

- 0-1 Topsoil
- 1-20 Gravel & Clay
- 20-25 Clay & Sand
- 25-45 Gravel & Clay
- 45-65 Clay & Sand
- 65-79 Clay
- 79-82 Gravel, Clay & Water
- 82-105 Sand, Gravel & Water
- 105-108'6" Gravel & Water

Owner A. L. CHANNEL Address Rt. 4 W. Riverside  
Driller Glenn Camp Address 2522 S. 14th Y. Missoula, Montana

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

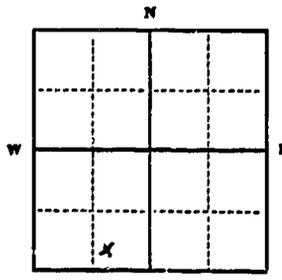
Date well started March 25, 1969 Date completed March 29, 1969

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" I.O.	6" I.O. 17 lb per ft.	2' above G.L.	110'6"		none	



Static Water Level for non-flowing well 80 feet.

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

Pumping Water Level 88 feet  
at 25 gal. per minute.

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

How Tested Test Pump

Length of Test 1 Hour

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

SE 1/4 Sec. 16, T. 13 N. R. 18 W.  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

LICENSER # 7  
Driller's License Number

Glenn Camp  
Driller's Signature. Glenn Camp

45, 112

#1869

280042

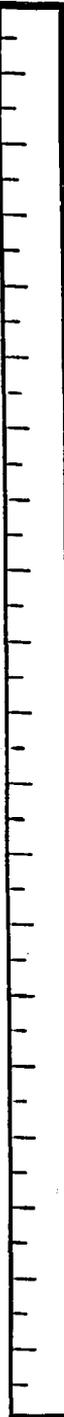
I received and filed this instrument for  
record on the 27 day of Apr 19 69  
at 2:00 o'clock P.M. permanent files  
of Missoula County, State of Montana  
Witness my hand:  
Veronica R. Crouse, County Recorder  
By Gregory Shalaby Deputy  
Fee \$ 2.00 Paid OK


File No. ....

T. 13N R. 18E

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERS



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

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Ralph J. Cramer Address RT4

Driller [Signature] Address .....

Date of Notice of Appropriation of Groundwater.....

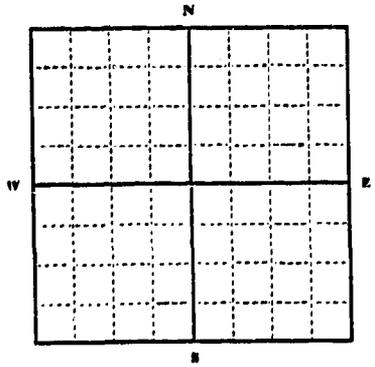
Date well started..... Date Completed.....

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

Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
<u>1 1/2"</u>		<u>00</u>	<u>77</u>			



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

Ralph J. Cramer  
Driller's License Number

[Signature]  
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.

20177

1057

215532

I received and filed this instrument for  
record on the 31<sup>st</sup> day of Dec 1963  
at 4:12 o'clock P.M., permanent files  
of Missoula County, State of Montana  
Witness my hand.  
MARTIN S. BISHOP, County Recorder  
By Etzel Jones Deputy  
Fee \$ 2.00 Paid

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

T. 13 R. 18 16

DUPLICATE

MONTANA WATER RESOURCES BOARD

County Missoula

LOG RECEIVED

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JUN 12 1968

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)

Ethna Mae DeMers

0-7 Pit

7-24 Clay, gravel & boulders

24-30 Clay, gravel

30-39 Clay

39-46 Clay and Gravel

46-69 Sandy Clay

69-78 Clay

78-81 Clay and Gravel

81-98 Water, sand, Gravel  
& Some Clay

98-103 Clay

103-107 Sand, Gravel &  
Water

Owner RAYMOND DEMERS and/ Address Rt. 4, West Riverside  
1525 S. 12th W.

Driller Glenn Camp Address Missoula, Montana

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

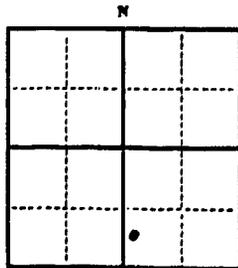
Date well started May 24, 1968 Date completed May 26, 1968

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Size of Drilled Hole	Size and weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6 1/2" D.	6 1/2" D. 17 lb per ft.	7' above floor of pit	107'			None



*Lots 12 & 13 - Blk 7  
West Riverside Addn.*

*S 1/2 SW 1/4 SE*

1/4 Sec. 16 T. 13 R. 18  
Indicate location of well and  
place of use, if possible. Each  
small square represents 40  
acres.

Static Water Level for non-flowing well  
78  
from top of pit \_\_\_\_\_ feet.

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

Pumping Water Level 78 feet  
at 300 gal. per minute.

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

How Tested Test Pump

Length of Test 1 hour

Remarks: (Gravel packing, cementing, pack-  
ers, 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 Addi-  
tion).

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

STANDARD  
#1799

271930

I received and filed this instrument for record on the 7 day of June 1968 at 12:15 o'clock P.M., permanent files of Missouri County, State of Missouri  
Witness my hand:  
Vernice H. Crouse, County Recorder  
By John Decker Deputy  
Fees \$ 2.00 Paid

RECORDS DIVISION OF MISSOURI COUNTY  
MISSOURI COUNTY, MISSOURI

RECORDED TO ORDER  
OF THE COUNTY CLERK


Recorder: (Official Signature) [Signature]  
County of [County Name] State of [State Name]  
Date: [Date]

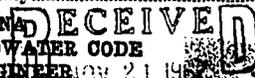
File No. ....

T 13 N. R 18 West

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER



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

(Under Chapter 237, Montana Session Laws, 1961)

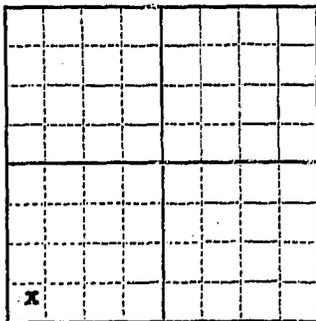
Top of Ground  
(Elev. above sea level.....)

0 to 6' Pit  
6' to 59' Clay, gravel  
& boulders  
59' to 71' Clay & gravel  
71' to 94'-4" Sand, gravel  
& water.  
94'-4" to 101' Sand,  
gravel & water

Owner H.C. Erickson Address W. Riverside  
Driller Glenn Camp 705 Alder Address Missoula, Montana  
Date of Notice of Appropriation of Groundwater..... 9-4-62  
Date well started..... 9/4/62 Date Completed..... 9/17/62  
Type of well Drilled Equipment Used Churn drill  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) other)  
Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	5' I.D. seamless 1 1/2 lbs	8" above pit floor	95'	none		



SW 1/4 Sec 16 T13N R18 W.  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well..... 63' from C.L. feet.  
D.D. 2' at 15 G.P.M.  
Shut-in Pressure for Flowing Well.....  
Pumping Water Level..... 65' feet at..... 15 gal. per minute.  
Discharge in gal. per min. of flowing well..... NOT KNOWN  
How Tested..... Bailer Length of Test..... 4 hours  
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).....  
None

License # 7

Driller's License Number

Glenn Camp  
Driller's Signature

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

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

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



ADDENDUM

Form:  Declaration of Vested Groundwater Rights

Notice of Completion of Groundwater  
Appropriation by Means of Well

Name of  
owner:

Del R. Fontaine

Corrected  
land description:

1/4 E 1/4 SW 1/4 SE  
Sec. 16 T13N R18W

Initials: MS

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

T. 13 R. 18 **316**

DUPLICATE

NOTICE OF COMPLETION RECEIVED

County Missoula

LOG

NOV 20 1968

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)

- 0-30 Cobblestones & Gravel, Clay
- 30-55 Clay
- 55-75 Gravel & Clay
- 59-100 Clay
- 100-106' 10" Gravel & Water

Owner Del. R. Fontaine Address W. Riverdale

1522 S. 14th W.

Driller Glenn Camp Address Missoula, Montana

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

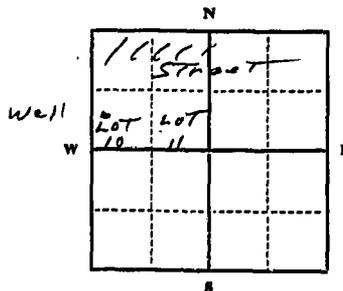
Date well started Oct. 25, 1968 Date completed Oct. 31, 1968

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6" I.D.	6" I.D. 17 lb per ft.	1' 2" above O.L.	105'	none		



Static Water Level for non-flowing well 74 feet.

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

Pumping Water Level 74 feet

at 20 gal. per minute.

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

How Tested Test Pump

Length of Test 2 hours

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

1/4 Sec. T. R. \_\_\_\_\_  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

License # 7

Driller's License Number

Glenn Camp  
Driller's Signature. Glenn Camp

44,780

1540

276402

I received and filed this instrument for  
 record on the 18<sup>th</sup> day of June 1945  
 at 3:30 o'clock P.M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 Veranus R. Crouse, County Recorder  
 By M. M. Conroy Deputy  
 Fee \$2.00


MISSOULA COUNTY, MONTANA  
 VERANUS R. CROUSE, COUNTY RECORDER  
 MISSOULA, MONTANA



2313

320141

I received and filed this instrument for  
record on the 31 day of July 1972  
at 2:30 o'clock P.M. permanent file  
of Missoula County, State of Montana  
Witness my hand.  
Veranda E. Cross County Recorder  
By *Veranda E. Cross*  
Fee 5.25.00 Paid

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

T 130 R 180

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

MAY 18 1964

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

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

0 to 6' Pit  
Sand and  
6' to 12' Cobblestones, gravel

12' to 36' Cobblestones  
& gravel in clay

36' to 50' Soft clay &  
gravel

50' to 59' Tight cobblestones  
& gravel in clay

59' to 71' Loose boulders  
& gravel

71' to 84' Clay & small  
gravel

84' to 93' Water & sand

93' to 96' Sand, gravel  
& water.

Owner George Friebe Address Missoula, Mont

Driller Glenn Camp 705 Alder Address Missoula, Mont

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

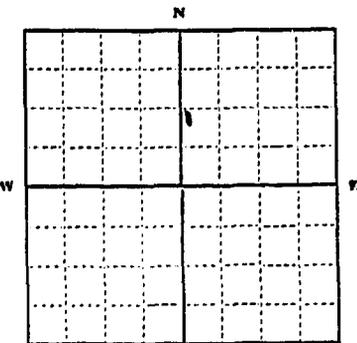
Date well started 4/30/64 Date Completed 5/3/64

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

Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6"	6" I.D.					
	18.97 #	5" above pit floor to 90'-5"		None		



335 1/2  
1/4 Sec 22 T 13N R 18W  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 73 feet.

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

Pumping Water Level 74 feet at 16 gal. per minute.

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

How Tested test pump Length of Test 30 min

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

License # 7

Driller's License Number

Glenn Camp  
Driller's Signature

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.

38096

1409

2 21492

Copy

I received and filed this instrument for  
record on the 15<sup>th</sup> day of May 1969  
at 11:55 o'clock A.M. permanent files  
of Missoula County, State of Montana  
Witness my hand:  
MARTIN S. BEHNER, County Recorder  
By Vera Belee 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: Charles E. Gendrow

Corrected land description: 1 1 SE 1 SW  
Sec. 16 T 13N R 18W

Initials: CS

NO SECTION

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

T. 13N R. 18W S. 16

DUPLICATE

County \_\_\_\_\_

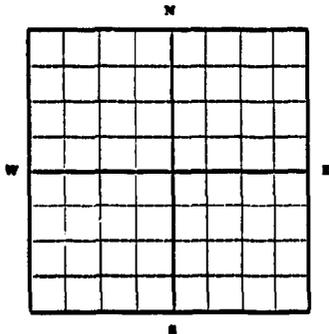
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1962) STATE ENGINEER

1. CHARLES E. GENDROW, of BEHLE MILLTOWN  
(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 HORSE HOLD USE FOR TWO HOMES AN NECESSARY LAWN AND GARDEN IRRIGATION
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been SEPTEMBER 1910 AND CONTINUOUS TO PRESENT TIME

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 G.P.M.

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 ELECTRIC DRIVEN PRESSURE SYSTEM ON LOT # 1 - BLOCK # 5 - WEST RIVERSIDE

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater HAND DUG IN 1910 - 6" WELL DRILLED IN SAME LOCATION IN AUGUST 1919.

8. The depth of water table DEPTH TO WATER 11' - DEPTH OF WELL 24' 18' OF WATER

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater NOT APPLICABLE.

10. The estimated amount of groundwater withdrawn each year AVERAGE APPRX 20,000 GAL.

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

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

Signature of Owner Charles E. Gendrow

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.

2544

214846

I received and filed this instrument for record on the 25 day of Dec 1960 at 10 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:  
**WALTER S. BEHRENS**, County Recorder  
 By: Walter S. Behrens Deputy  
 Fee \$ 2.00 Paid

MISSOULA COUNTY, MONTANA  
 DEPARTMENT OF RECORDS  
 200 WEST 10TH AVENUE  
 MISSOULA, MONTANA 59801

MISSOULA COUNTY, MONTANA  
 DEPARTMENT OF RECORDS  
 200 WEST 10TH AVENUE  
 MISSOULA, MONTANA 59801

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

T. 13N R. 18W  
County Missoula

DUPLICATE

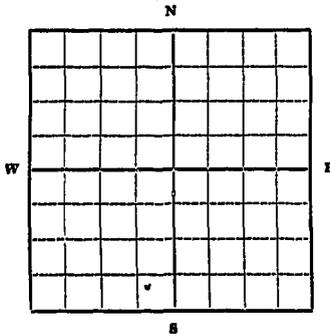
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 23 1963  
STATE ENGINEER

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

1. Verner G. & Ella M. Hauglund, of Box 213 Milton  
(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. 16 T. 13N R. 18W

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

2. The beneficial use on which the claim is based Drinking Bath, Lawn Irrigation & Fire Protection

3. Date or approximate date of earliest beneficial use; and how continuous the use has been JANUARY 1947  
every day

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof LOTS 10-11  
Verner G. & Ella M. Hauglund

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 JANUARY 21 - 1947

8. The depth of water table one hundred feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5 ft. 11.5 in. dia. well casing  
one hundred feet

10. The estimated amount of groundwater withdrawn each year not available

11. The log of formations encountered in the drilling of each well if available GRAVEL - SAND  
Clay hard pan & Solid 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

Signature of Owner Verner G. & Ella M. Hauglund

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.

468

214585

I received and filed this instrument for  
 record on the 22 day of Dec 1968  
 at 11:30 o'clock A.M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 MARTIN S. BEHNER, County Recorder  
 By Martin S. Behner Deputy  
 Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDS  
 MISSOULA, MONTANA  
 1968  
 DECEMBER 22  
 11:30 A.M.

MISSOULA COUNTY RECORDS  
 MISSOULA, MONTANA  
 1968  
 DECEMBER 22  
 11:30 A.M.

File No. ....

T. 13<sup>N</sup> R. 18<sup>W</sup> 16

DUPLICATE

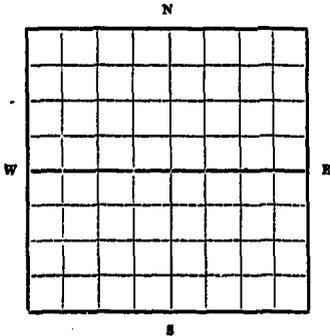
County.....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1963

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

1. Robert James Law of Route 4 Missoula  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 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 for 2 horses plus irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been March 15, 1955  
Continual use
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 23 gallons
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre - Sec 1, Plat 4, Dec. 16, Imp. Blk 13, Pgm 18, R. J. Law
- 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 about March 15, 1955

8. The depth of water table 35 ft -

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled well - 22 ft deep

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 Robert J & Betty F. Law  
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.

19953

753

215761

*Copy*

I received and filed this instrument for  
 record on the 24 day of Dec 1963  
 at 1:42 o'clock P. M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 MARTIN S. BRINER, County Recorder  
 By Walter J. [Signature] Deputy  
 Fee \$ 1.00 Paid

MISSOULA COUNTY CLERK  
 MISSOULA, MONTANA  
 RECEIVED  
 JAN 1 1964


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 William Grubbs

Address West Riverside

Missoula, Montana 59801

Date well started June 16, 1972

completed June 28, 1972

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Churn

(Churn drill, rotary or other)

Water Use: Domestic  Municipal  Stock  Irrigation

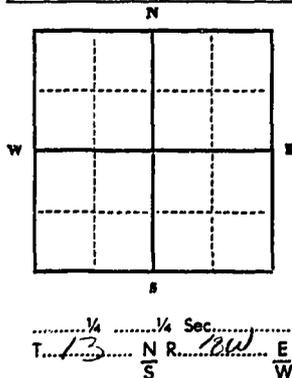
Industrial  Drainage  Other \* Garden/Lawn

\*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I.D.	6 5/8" O.D. 17lb. 1/4" side wall	GL	103	none	none	none



Static water level ..... 40 ..... ft.\*  
Pumping water level 90 ..... ft.\*  
at ..... 30 ..... gallons per minute,  
measured ..... 90 minutes after pumping  
began.

\*Measured from ground level.  
Well developed by Pump & Bailer  
for ..... 4 ..... hours.  
Power... 1.00 Pump 1/4 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 Leo O. Krause

Driller's Address 740 Turner

Missoula, Montana LICENSE NO. 193

County Missoula

DRILLER'S LOG

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

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
GL	5	Top soil
5	20	Tan clay Boulders
20	30	Tan clay
30	65	Tan clay Gravel
65	66	Sand Gravel Water 8 gal. per min
66	102	Sand
102	103	Sand Gravel Water

103 Show exact depth of bottom

F.

51,046

2310

319892

I received and filed this Instrument for  
 record on the 26 day of July, 1922  
 at 11:05 o'clock A.M. Permanent files  
 of Missoula County, State of Montana  
 Witness my hand.  
Veronica A. Cross County Recorder  
 By W. S. Starnes Deputy  
 Fee \$ 2.00 Paid ch

APPROPRIATE TO BE FILED IN THE  
 RECORDS OF THE COUNTY OF MISSOULA  
 MONTANA  
 JULY 26 1922  
 MISSOULA MONTANA

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 William Grubbs

Address West Riverside  
Missoula, Montana 59701

Date well started June 16, 1972

completed June 28, 1972

For Administrator's Use	
File #	<u>2310, 319892</u>
Date	<u>July 26, 1972</u>
Well No.	<u>11000</u>
Category	<u>GW 1</u>

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

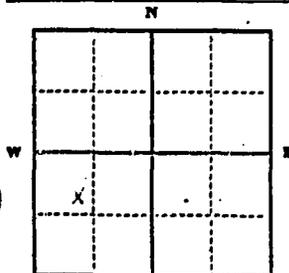
Equipment used Churn  
(Churn drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL \_\_\_\_\_

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I.D.	6 5/8" O.D. 17lb. 1 1/4" side wall	GL	103	none	none	none



N.W. 1/4 S.W. 1/4 Sec. 16  
T. 13 N. R. 18 W.

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

Driller's Signature \_\_\_\_\_

Driller's Address 740 E. 2nd St

City, State \_\_\_\_\_ LICENSE NO. \_\_\_\_\_

County \_\_\_\_\_

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	5	Top soil
5	20	Thin clay Bologna
20	30	Thin clay
30	65	Thin clay & gravel
65	90	Thin gravel & sand
90	103	Thin gravel
103	107	Thin gravel

107 Show exact depth of bottom

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

T. 13 N. R. 18 W. 16  
County Missoula

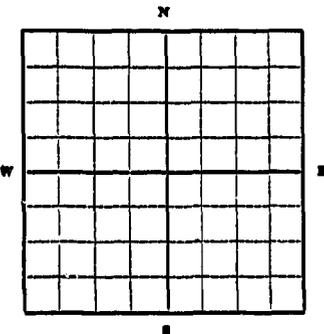
DUPLICATE

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. Paul A. and Ann M. Halttunen, of Rt. #4 W. Riverside Missoula  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 16 T. 13 N. R. 18 W.

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

2. The beneficial use on which the claim is based .....  
Domestic and Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been .....  
June 10, 1910  
continuous to this date
4. The amount of groundwater claimed (in miner's inches or gallons per minute) .....  
30 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 .....  
Lawn irrigation 100' x 135'  
Paul A. and Ann M. Halttunen
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal .....  
Deep well electric pump located on well site
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater .....  
May 1, 1910 completed June 10, 1910
8. The depth of water table .....  
88 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 of well is 104' 6" Steel casing contains 32' of water pumped for use by a 1 h.p. deep well jet type pump.
10. The estimated amount of groundwater withdrawn each year .....  
50,000 gallons
11. The log of formations encountered in the drilling of each well if available .....  
Ground level to 78' rock gravel and sand 78' to 88' clay (hard pan) 88' to 104' coarse gravel and water.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record .....  
Record contained in property abstract.

Signature of Owner Ann M. Halttunen  
Paul A. Halttunen

Date Dec. 21, 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.

20074

948 215421

I received and filed this instrument for  
record 10 31 of Dec 1963  
at 10 o'clock A.M., permanent files  
of Missoula County, State of Montana  
Witness my hand:  
MAYN S. BECKER, County Recorder  
By Marta A. Hill Deputy  
Fee \$ 7.00 Paid

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 John Harvey & Thomas L. Harvey  
Address Box 4  
W. Riverside, Missoula, Mont.  
Date well started 12 July 1972  
completed 17 July 1972

For Administrator's Use
File # <u>2311, 319896</u>
Date <u>July 26, 1972 11:08 a.m.</u>
GW 1

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

Equipment used Quinn Drill  
(China drill, rotary or other)

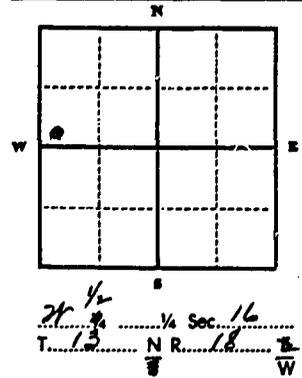
Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other  Garden/Lawn

\*Describe Trailer Park

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 1,250,000 gals.

Diameter of Drilled Hole	Diameter and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6"	6 5/8 175	3' up	99'	ROCK	ROCK	ROCK



Static water level 63 ft.\*  
Pumping water level 68 ft.\*  
at 60 gallons per minute,  
measured 90 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by 2 1/2 - 4 1/2  
for 6 hours.  
Power 230 Pump 5 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 George A. Beebe

Driller's Address Box 17

Revelle, Mont. LICENSE NO. 284

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	1	Gravelly loam
1	6	Hard silty sand
6	17	Blue gravel & sand
17	39	tan clay, sand, gravel
39	51	pink clay, & gravel
51	72	red gravel, silty
72	92	tan clay strata of gravel
92	99	Coarse Gravel, some sand water

99' Show exact depth of bottom  
51,045

22311

319996

I received and filed this instrument for  
 record on the 24th day of July 1972  
 at 11:05 o'clock A.M., permanent file  
 of Missouri County, State of Missouri  
 Witness in hand  
Raymond A. Cross County Recorder  
Raymond A. Cross  
 Fee \$ 2.00

Divided into pages  
 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 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File No. \_\_\_\_\_

T. 13 N. R. 18 W

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

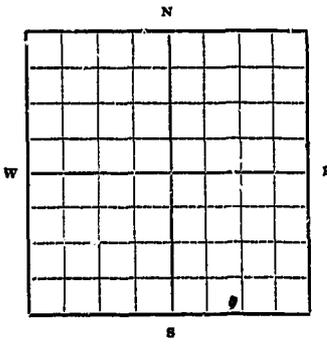
RECEIVED  
SEP 18 1963

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

STATE ENGINEER

1. Roland O and Thence M Jenko, of 204 W. Riverside Missoula  
(Name of Appropriator) (Address) (Town)

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



S.W. 1/4 Sec. 16 T. 13 N. R. 18 W

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

- 2. The beneficial use on which the claim is based Household and irrigation for lawn and garden
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Aug 1955
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) Domestic
- 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
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal jet pumps

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater aug 1955
- 8. The depth of water table 54' - Static water level
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5 inch 99.6 thirty nine feet six inches water drawn by jet pump
- 10. The estimated amount of groundwater withdrawn each year For Domestic use
- 11. The log of formations encountered in the drilling of each well if available 0 to 6' pit  
6' to 59' clay gravel + boulders  
59' to 71' clay + gravel  
71' to 99.6' gravel sand and water
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Roland O Jenko  
Date 9-13-63

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.

copy

210776

4266

I received and filed this instrument for  
record on the 13 day of Sept 1963  
at 10:30 o'clock A.M., permanent files  
of Missoula County, State of Montana  
Witness my hand:  
MARTIN S. BEHNER, County Recorder  
By *Deane Heiman* Deputy  
Fee \$ 0.25 Paid

File No. ....

DUPLICATE

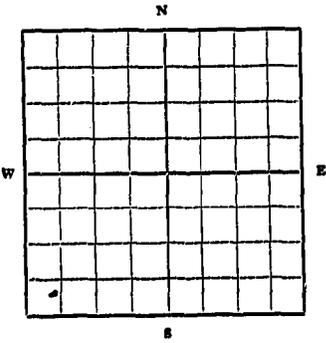
T. 13<sup>N</sup> R. 18<sup>W</sup> 16  
County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
NOV 18 1963

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

1. Eino or Hazel Karkanen, of Milltown, Mont. P. O. Box 86  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.W. 1/4 S.W. 1/4 Sec. 16 T. 13 R. 18W

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

2. The beneficial use on which the claim is based Domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since 1929
4. The amount of groundwater claimed (in miner's inches or gallons per minute) I. H. P. Jacuzzi Jet pump  
About 800 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 Lawn and flowers for three lots. (50x130-ft)
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal I. H. P. Jacuzzi Jet Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1929
8. The depth of water table 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 104 ft. deep with 8 inch casing Jacuzzi-jet pump
10. The estimated amount of groundwater withdrawn each year 50,000 gallons
11. The log of formations encountered in the drilling of each well if available None
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Lot Five (5) in Block One (1) of East Riverside according to the official map or plat of East Riverside Addition, on record and file in the office of the County Clerk and Recorder of Missoula County, Montana.

Signature of Owner Eino Karkanen  
Hazel Karkanen  
Date November 12, 1963

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

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

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

320

212922

I received and filed this instrument for  
 record on the 12 day of Nov 1962  
 at 2:25 o'clock P.M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
**MAYN S. BEHNER**, County Recorder  
 By William C. ... Deputy  
 Fee \$ 2.00 Paid

MISSOULA COUNTY, MONTANA

RECORDED AND FILED IN THE OFFICE OF THE COUNTY CLERK OF MISSOULA COUNTY, MONTANA

DATE RECORDED

FILE NO.

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

T 13 N R 18 W

DUPLICATE

County Missoula

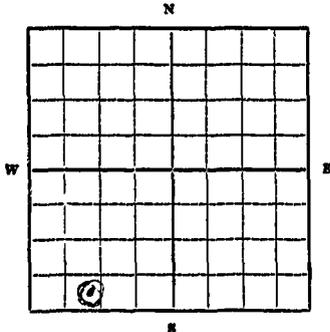
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JUN 28 1963

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

STATE ENGINEER

1. John or Jennie Karkanan, of Rte 4 West Riverside 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:



S. 1/4 S. W. 1/4 Sec. 18 T. 13 R. 18 W

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been .....  
Continuous use since 1913

4. The amount of groundwater claimed (in miner's inches or gallons per minute) .....  
Myers 1/2 Horse Power Piston type pump  
About 100 Gallons per Hr.

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 .....  
Water lawn around house

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal .....  
Myers Electrical 1/2 Horse Motor, 2 inch drop  
Pipe with pump rod and Cylinder 100 ft. Below

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater .....  
1913 ..... Some time in 1913

8. The depth of water table .....  
I 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 .....  
100 ft. deep with a 6 inch casing

10. The estimated amount of groundwater withdrawn each year .....  
10000 Gallons

11. The log of formations encountered in the drilling of each well if available .....  
None

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record .....  
Lot 4 Block 2 Official plot West Riverside  
On file in office County Clerk and Recorder's Office Missoula Mont.

Signature of Owner John or Jennie Karkanan

Date June 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.

201

207753

I received and filed this instrument for  
 record on the 26 day of June 1963  
 at 10 o'clock P. permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
**MARTIN S. BEHNER**, County Recorder  
 By Paul M. Carver Deputy  
 Fee \$0.00 Paid

MISSOULA COUNTY

MISSOULA COUNTY RECORDER'S OFFICE

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

T. 13<sup>th</sup> R. 18<sup>th</sup>

DUPLICATE

County H. Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

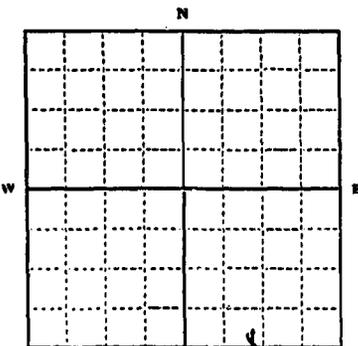
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Henry Kurtz of 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:



Lat 6  
SW 1/4 NE 1/4 Sec. 16, T. 13, R. 18

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

Lat 16, Blk 8

- 2. The beneficial use on which the claim is based house use town
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been \_\_\_\_\_
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal. minutes
- 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 \_\_\_\_\_

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater oct 8 1959

8. The depth of water table 38' 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 5" well 108' from surface  
102' drilled

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

11. The log of formations encountered in the drilling of each well if available  
heavy gravel clay 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 Henry Kurtz

Date 12-11-63

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

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

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

15225

623

214982

*Copy*  
I received and filed this instrument for  
record on the *27* day of *Dec* 19*67*  
at *10:30* o'clock *A.M.*, permanent files  
of Missoula County, State of Montana  
Witness my hand:  
MARTIN S. BEHNER, County Recorder  
By *Martin S. Behner* Deputy  
Fee \$ *0.00* Paid



2362

323 949

I received and filed this instrument for  
record on the 30 day of Dec. 19 72  
at 11:30 clock A.M. permanent files  
of Missoula County, State of Montana  
Witness my hand  
Vernon R. Crump, County Recorder  
By Mary Skelley Deputy  
Yes 2.00 cash



