

406

214250

*Copy*  
I received and filed this instrument for  
record on the 13 day of Dec 1963  
at 7:45 o'clock A.M., permanent files  
of Missoula County, State of Montana  
Witness my hand:  
MARTIN S. BEHNER, County Recorder  
By Martin S. Behner Deputy  
Fee \$ 5.00 Paid

G. D. Shallenberger, 2712 Spurgin Road, Missoula, Mont.

May 19, 1964

12-13-63

214250

from the Clarks Fork River

File No. ....

T. 13 R. 19

DUPLICATE

County Missoula

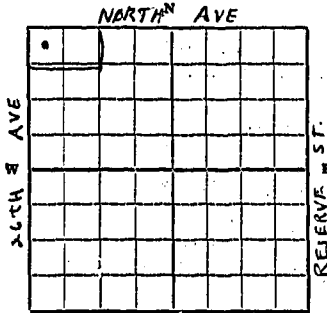
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
SEP 24 1963

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

STATE ENGINEER

1. Clarence R. Sipes, of 2000 26th Street, Missoula  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



The N. 97.1 ft. of  
Lot 39  
1/4 Sec. 30 T.13N R. 19W

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

2. The beneficial use on which the claim is based Domestic and lawn irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been March, 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 lawn only
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 3/4 h.p. electric motor and jet pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March, 1958
8. The depth of water table 30 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch casing 67 feet deep
10. The estimated amount of groundwater withdrawn each year 10,950 gallons
11. The log of formations encountered in the drilling of each well if available Gravel 27 feet - 10 feet hard pan, then gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

Signature of Owner Clarence Sipes

Date 9/20/63

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.

273

211055

I received and filed this instrument for  
 record on the 29 day of Sept 1963  
 at 1:25 o'clock P.M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 MARTIN S. BEHNER, County Recorder  
 By *Vermae C. ...* Deputy  
 Fee \$ *5.00* Paid

This document is a true and correct copy of the original as shown to me by the County Recorder of Missoula County, Montana.

File No. T 13<sup>N</sup> R 19<sup>W</sup>

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

County RECEIVED  
JAN 2 1964

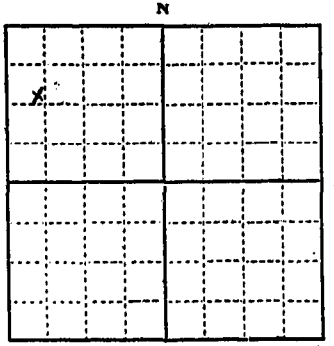
STATE ENGINEER  
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Jed + Standa Smalley, of, 3226 Spring Rd. Mula  
(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:

Dinmore OR. No. 44. Sec. 64



1/4 Sec. 20 T. 13 R. 11  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based. Household & irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. April 15, 1951  
Continually
- 4. The amount of groundwater claimed (in cubic feet or gallons per minute). Unknown
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Owners, Jed & Standa Smalley, used for various parts of Sacres, mostly yard.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. at the house well.

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. April 15, 1951
- 8. The depth of water table. 48 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. Deep well - 48 ft - size - not sure
- 10. The estimated amount of groundwater withdrawn each year. Unknown
- 11. The log of formations encountered in the drilling of each well if available. One water table much closer but we drilled to 2nd one
- 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. Standa Smalley  
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.

936 215409

I received and filed this instrument  
record on the 31 day of Dec 1913  
at 11:30 o'clock A.M. permanent files  
of Missoula County, State of Montana  
Witness my hand:  
MARTIN S. BROWN, County Recorder  
By Martin S. Brown Deputy  
Fee \$ 2.00 Paid

30

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

T. 13 N. R. 19 W.  
County Missoula

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1963

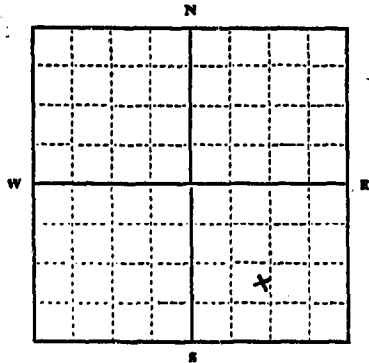
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1951)

STATE ENGINEER

Mary R. and Margaret E. Smith, of Route #1 Missoula, Montana  
(Name of Appropriator) (Address) (Town)

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



In SW 1/4 SE Sec 30, T. 13 N. R. 19.

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

- 2. The beneficial use on which the claim is based Household use and irrigation.
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Since 1958 continuous since this date.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 75 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 3 acres - Burns addition Mary R. and Margaret E. Smith
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal well and pump. No well is on lot 1.

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater well drilled in 1958, since all underground.
- 8. The depth of water table well is 65 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 drilled, 4 inch, 65 feet.
- 10. The estimated amount of groundwater withdrawn each year 70,000 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 Not available

Signature of Owner Mary R. Smith  
Margaret E. Smith  
Date December 31, 1963

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

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

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

20397

1278

*Copy*

I received and read this instruction for  
record on the 31st day of Dec. 19 63  
at the office of the permanent files  
of Missoula County, State of Montana  
Witness my hand  
By *Martin L. Schmitt* County Recorder  
Deputy  
Fees \$ .00 Paid

Q



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

T. 13 N R. 19 W S. 30

DUPLICATE

County \_\_\_\_\_

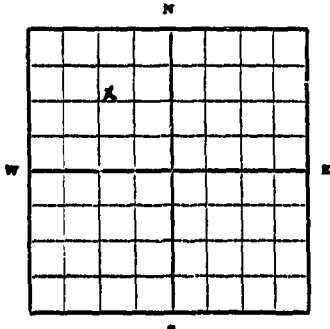
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964

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

STATE ENGINEER

1. John H. Spinoso Sr. of Gladis, Missoula  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W. 1/4 N.W. 1/4 Sec. 30, T. 13 R. 19

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

2. The beneficial use on which the claim is based General Irrigation, Land for domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 28, 1942  
same as daily

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 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 15 100' x 140' & 20 100' x 140' owned by Spinoso Sr. & family

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Quinn well on south east corner of lot #6

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 23, 1942 completed August 28, 1942

8. The depth of water table 66 feet (5' in 4" casing strategic water table)

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Quinn well 4 1/2" casing 46 feet

10. The estimated amount of groundwater withdrawn each year 26.5, 66.4 gpm

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. see book

Signature of Owner John H. Spinoso Sr.  
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.

19980

780 2/5/88

I received 780 and this instrument is  
record on the 23rd day of Feb 1863  
at 2:30 o'clock P.M., permanent files  
of Missouri County, State of Missouri  
Witness my hand  
M. S. BIRKEL County Recorder  
By Wm. H. B... Deputy  
For \$ ... Paid

30

File No. ....

T. 13 N R 19 W

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

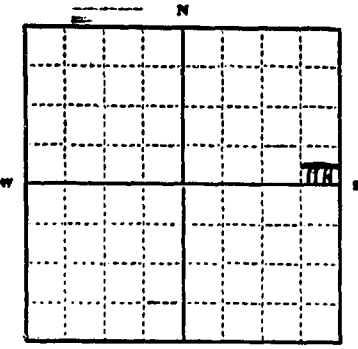
RECEIVED  
JAN 3 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Varl L. Springer, of 2516 Mount Avenue, Missoula  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 30 T. 13 R. 19

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

2. The beneficial use on which the claim is based Home and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been intermittent Aug '53 - Dec '54  
Continuous since Dec '54

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 14 gallon per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
1 acre Lot 33 Sec 30 T13 R19  
1/2 acre irrigated

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
By pump Lot 33 Sec 30 T13 R19

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 14 - August 15, 1959

8. The depth of water table Approx 20 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 8 inch well 70 ft 6 in. deep

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

11. The log of formations encountered in the drilling of each well if available.  
70 ft 6 in 0-55 Loose gravel 55-65 Sand and gravel  
65-70 Coarse clean gravel 150 gal per min. with air test

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.  
County Clerk and Recorder Book 198, page 314

Signature of Owner Varl L. Springer  
Date Dec 23 1963

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

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

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

19965

765 215174

I received and filed this instrument for  
record on the 30 day of Dec 1921  
at 7:01 o'clock P. M. permanent files  
of Missoula County, State of Montana  
Witness my hand  
M. H. B. B. County Recorder  
By \_\_\_\_\_ Deputy  
Fee \$ \_\_\_\_\_ Paid

30

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

County Missoula

RECEIVED  
OCT 8 1958

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

STATE ENGINEER

WATER WELL LOG

X			

Owner John Stahl Address Missoula

Driller John Farrell Address Artes Mont.

Date Started May 5 - 1958 Date Completed May 5 - 1958

Location: Sec. 30 T. 13N R. 17W ¼ sec.

Type of well 5" Black Equipment used X  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other: \_\_\_\_\_

Casing: 6 ft. to 4.7 ft. Type: Black Size: 5

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: \_\_\_\_\_

Static Water level, for non-flowing well: 28 feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: May 5 - 1958 (date)

Pumping water level: 46 feet at \_\_\_\_\_ gal. per min. 12

How tested: plump

Length of test: 2 hrs

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
6	40	heavy gravel
40	47	gravel sand water

# 34  
155270

I received and filed this instrument for  
 record on 12-24-34. Copy of this  
 at 11:40 A.M. of 12-24-34  
 of Missouri County, State of Missouri  
 Witness my hand  
 BOSE DAVIS, County Recorder  
 By \_\_\_\_\_ Deputy  
 Fee \$1.50 Paid

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

STATE WATER CONSERVATION BOARD

T. 13 R. 19 S. 30

DUPLICATE

NOV 4 1966

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground  
(Elev. above sea level)

- 0' to 8' Basement
- 8' to 29' Sand & Gravel
- 29' to 35' Clay
- 35' to 39' Clay & Gravel
- 39' to 49' Clay
- 49' to 62' Gravel, Sand & Water
- 62' to 73' Gravel & Water
- 73' to 75' Clay & Gravel

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Well Drilled on 26th St.

Owner Gary Steinhert Address Hullan Rd, Missoula

Driller Glen Camp, 705 Alder Address Missoula, Montana

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

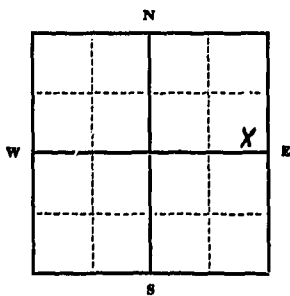
Date well started May 4, 1966 Date completed May 6, 1966

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" I.D.	1' 2" above basement floor	to 65' 2"	None		



Static Water Level for non-flowing well \_\_\_\_\_ 37 feet.

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

Pumping Water Level \_\_\_\_\_ 37 feet  
at \_\_\_\_\_ 50 gal. per minute.

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

How Tested Sailer & Compressor

Length of Test 2 hours

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

SE 1/4 of Sec. 24, T. 13, R. 19  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

License # 7  
Driller's License Number

Glen Camp  
Driller's Signature

41,584

I 1660

255150

I received and filed this instrument for  
 record on the 28 day of Oct 1966  
 at 11:30 o'clock AM, permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 Voltaire R. Cause, County Recorder  
 By Gene Beckwith, Deputy  
 Fee 2.00 Cash Paid


Respectfully in case the copy of original and  
 of Gene Beckwith is not  
 printed with this  
 original file in the office of the  
 Recorder of Deeds

12 14  
 [Signature]



30

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

T. 13 N. R. 19 W

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED

JAN 3 1964

STATE ENGINEER

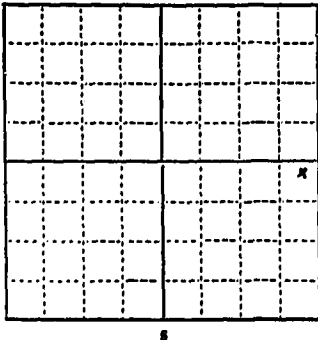
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Helen V. Stewart, of 2503 Mount Ave. Rt. 1 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:

3- NE QTR. of SE QTR.



30 1/2 Acres Sec. 30, T. 13 N. R. 19 W. S. 1

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

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

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

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
1/4 acre, make of best household irrigation at home, garden Helen V. Stewart

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
irrigation ditch (pump) front of property near Mount Ave. (well) Ditch on Reserve St. side of property.

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

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 Driven well by 6 inch casing, approx 24 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  
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, purchased place 12-20-63

Signature of Owner Helen V. Stewart

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.

20083

958

215432

I received and filed this instrument for  
record on the 31 day of Dec 1963  
at 11 o'clock A.M. permanent files  
of Missoula County, State of Montana  
Witness my hand:  
Martin S. Bennett County Recorder  
By Martin S. Bennett Deputy  
Fee \$ 2.00 Paid

30

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

T 13 N R 19 W

DUPLICATE

County \_\_\_\_\_

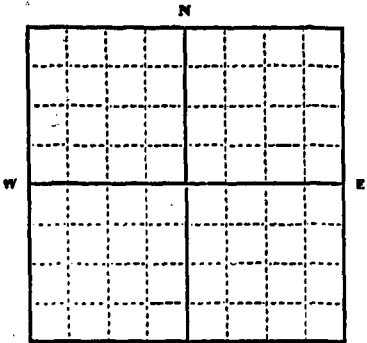
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. WILLIAM STOCKE, of 1309 RESERVE 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 1/2 LOT 5 30 13 19  
1/4 Sec. T. R.

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

2. The beneficial use on which the claim is based  
FOR DRINKING WATER, IRRIGATING

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

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.  
SOUTH HALF OF LOT 5 IN SECTION 30 IN TOWNSHIP 13 NORTH OF RANGE 13 WEST OF MONT. PRINCIPAL MERIDIAN PLATS PAGE 74 IN COUNTY CLERK'S OFFICE

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

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

8. The depth of water table.  
80 FEET

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

10. The estimated amount of groundwater withdrawn each year.  
70,000 GALLONS

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.  
BOOK 4 COPY OF PLATS AT PAGE 74 IN THE OFFICE OF THE COUNTY CLERK & RECORDER, MSLA, COUNTY

Signature of Owner William Stocke

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.

20411

1292

Copy  
942 31st Dec. 63  
at  
of  
W  
County Recorder  
M. J. Palmer Deputy  
Paid

30

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

FEB 28 1967

T. 13N R.19W

DUPLICATE

City: St. Demott County: MISSOULA

LOG State of Montana ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Top of Ground Approx. (Elev. above sea level 3200')

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

(Under Chapter 237, Montana Session Laws, 1961)

Formations Log:

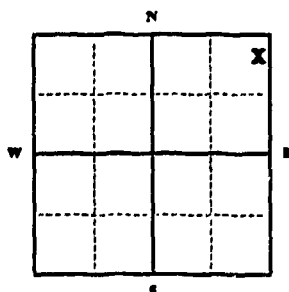
- 0 - 1 Top soil.
1 - 24 Gravel, cobblestones & boulders.
24 - 29 Gray sand.
29 - 36 Sand & gravel. Seeps of water.
36 - 53 Gravel imbedded in tan clay.
53 - 72 Sand & gravel mixed in gray clay.
72 - 74 Fine sand & gravel.
74 - 76 1/2 Clean coarse sand & gravel. Good water.

Owner: Eva E. &/or John W. Trickel Address: Missoula, Montana
Driller: Liberty Drilling Co. Address: Missoula, Montana
Date well started: 10/10/66 Date completed: 10/13/66
Type of well: Drilled Equipment used: Cable Tools
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.

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)).

Water rises in the well 27 feet from surface.



Static Water Level for non-flowing well 37 feet.
Shut-in Pressure for Flowing Well Non-f.
Pumping Water Level 50 feet at 40 gal. per minute.
Discharge in gal. per min. of flowing well Non-flowing
How Tested Air-Lift Pump
Length of Test Two hours

NE 1/4 - NW Sec. 30 - T. 13N R. 19W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through the open bottom of six inch casing. Wells with open bottom completions in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should not be used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Approx. One acre

Show exact depth of bottom. Bottom of hole 76'6"

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
Driller's Signature

41761

258278

I received and filed this Instrument for record on the 23 day of Feb. 19 1907 at 12:20 o'clock P.M. permanent files of Missoula County, State of Montana Witness my hand Vermon H. Gause, County Recorder By *S. D. Bellinger* Deputy Fee \$ 2.00 Paid

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

Missoula County, Montana  
Filed for Record  
Feb 23 1907  
S. D. Bellinger, Deputy Recorder

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

T 13N R 19W

DUPLICATE

County Missoula

LOG

NOV 8 1968

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground Approx.  
(Elev. above sea level 3203')

**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 Topsoil.
- 1 - 26 Sand & gravel imbedded in clay.
- 26 - 52 Silty sand & gravel mixed.
- 52 - 69 Fine silty sand & gravel. Some water.
- 69 - 74 Silty sand & clay.
- 74 - 79 Fine sand & gravel. Water
- 79 - 83 Clean coarse gravel. Water.

Trinity Baptist Church

Owner Of Missoula, Montana Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 9/27/68 Date completed 10/1/68

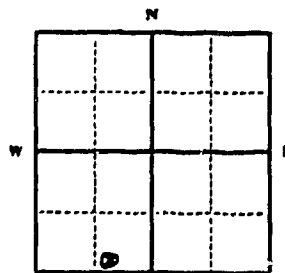
Type of well Drilled Equipment used Cable Tools  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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 3/8" OD x 1/2"	+1.6'	83	NONE		

Water rises in the well 26 feet from surface.



Static Water Level for non-flowing well 26 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 48 feet at Excess 75 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Two hours

Remarks: (Gravel packing, cementing, packers, type of shutoff)... All water entering well is coming through the open bottom of six inch casing. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 30 percent of the tested capacity of the aquifer. (Continued on reverse side)

**WASH, SWASH, SE 1/4 Sec. 30, T13N R.19W**

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

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).

Parcel MB Lot 26 of Cobban & Dinsmores Orchard Homes # 3 Approx. four acres.

Show exact depth of bottom.  
Bottom of hole 83'

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. Osburn  
Driller's Signature.

44,745

1832

275894

I received and filed this instrument for record on the 29 day of Oct, 1967 at 11:30 o'clock A.M., permanent files of Missoula County, State of Montana.  
 Witness my hand  
Wagoner R. Coates, County Recorder  
 By [Signature], Deputy  
 Fee of 2.00 Paid

RECORDED

101

THIS INSTRUMENT WAS FILED FOR RECORD ON THE 29th DAY OF OCTOBER 1967 AT 11:30 A.M. IN THE OFFICE OF THE COUNTY RECORDER, MISSOULA COUNTY, MONTANA. THE FEE THEREON IS \$2.00. WAGONER R. COATES, COUNTY RECORDER.

9



30

File No. ....

T 13 N R 19 West

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1964

Declaration of Vested Groundwater Rights

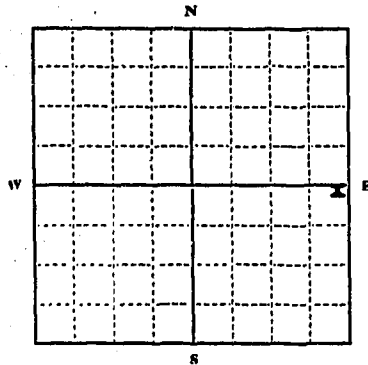
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

~~Ed and Florence Turnbull~~, of ~~2220 26th 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:



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 April 1, 1958  
continuous use

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
1/2 acre lawn and garden  
Ed and Florence Turnbull

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
1 HP electric pump Lot 53 SE 1/4 SE 1/4 of NE 1/4 Sec 30 T 13 N R 19 W

SE 1/4 SE 1/4 of  
SE 1/4 NE 1/4 Sec 30 T 13 N R 19 W  
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 March 1, 1958 completed March 8, 1958

8. The depth of water table 25 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 in. well depth 78ft.

10. The estimated amount of groundwater withdrawn each year 1,500,000 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 official plat thereof book 4 page 71 records of Missoula County, Mont. Document No. 119117 Tract No. 1 on plat filed in book 7 of contracts and agreements on page 600  
Office of Clerk and Recorder of Missoula County, Missoula, Montana

Signature of Owner Florence Turnbull

Date December 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.

17693

907

215380

Copy

I received and filed this instrument for  
 record on the 31<sup>st</sup> day of Dec, 1963  
 at 11:06 o'clock A.M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
Martin S. Behring Deputy Recorder  
Martin S. Behring Deputy  
 Fee 2.00 Paid

RECORDED AND INDEXED TO THE PUBLIC BY THE MISSOULA COUNTY CLERK'S OFFICE  
 MISSOULA, MONTANA

JOHN FARRELL-WELL DRILLING  
ARLEE, MONT. PH. PA 6-3180

T. 13N R. 19W 30  
County Missoula

RECEIVED

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

STATE ENGINEER

WATER WELL LOG


Owner Henry Walker Address 90 E. N. Johnson  
St. 1, Basin St.  
 Driller Earl Fynch Address Missoula  
 Date Started Sept 21 - 1957 Date Completed 25 - 1957  
Feb 28  
 Location: Sec. 30 T. 13N R. 19W 1/4 sec.

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

Water use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other: \_\_\_\_\_

Casing: 0 ft. to 70' 6" ft. Type Acme Size 5"  
 Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
 Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations \_\_\_\_\_

Static Water level, for non-flowing well: 26' feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level 30' feet at 10 gal. per min.

How tested: Packer

Length of test 4 hrs

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



STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL** 1971

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 Glen Wohl  
Address 311 South Ave. W.  
Missoula, Montana  
Date well started 4/10/71  
completed 4/16/71

For Administrator's Use  
File  
GW 1

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

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

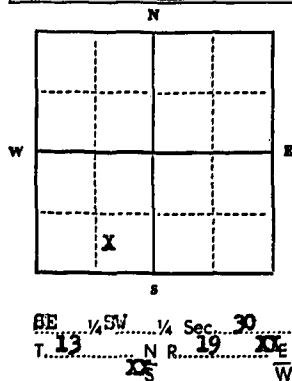
Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other \* Garden/Lawn

\*Describe

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), Cobden & Dinmore, Orchard Home #1

ESTIMATED ANNUAL WITHDRAWAL 21,024,000 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 by 1/4"	+5"	83'6"	NONE		



Static water level 32 ft.\*  
Pumping water level 60 ft.\*  
at 40 gallons per minute,  
measured 180 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by Air Lift Pump  
for Two 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.  
Notes: can't.

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

Driller's Signature William J. Adams  
Driller's Address 2500 Reserve  
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. (Elev. above sea level) 3,160'

From (Feet)	To (Feet)	
0	2	Gravel mixed with brown dirt
2	18	Gravel and cobblestones mixed in tan clay
18	26	Gravel imbedded in brown clay
26	34	Gravel mixed in gray clay
34	79	Fine brown sand and gravel
79	83	Coarse sand and gravel
		Water

83'6" Show exact depth of bottom  
Water rises in well 32' from surface.

49045

2181

307232

I received and filed this instrument for  
 record on the 7 day of Sept. 1971  
 at 9:25 o'clock A.M. permanent file  
 of Missoula County, State of Montana  
 Witness my hand  
 Virginia R. Crease, County Recorder  
 By Mary Skelley Deputy  
 Fee \$ 2.24 Paid ✓

Note: Cont'd.

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

30

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

T 13<sup>th</sup> R 19<sup>th</sup>  
RECEIVED  
JAN 2 1964  
STATE ENGINEER

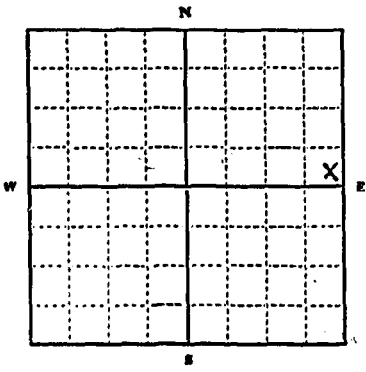
DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. De Wayne L & Jean Weid at 2336 26<sup>th</sup> 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:



NE 1/4 Sec 30 T 13N R 19W

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1961 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 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 40 x 160 lawn - Weid  
NE 1/4 Sec 30 T 13N R 19W

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 1961

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 5" drilled 75 feet deep

10. The estimated amount of groundwater withdrawn each year 250,000 gallons

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

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

Signature of Owner De Wayne L & Jean Weid  
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.

17699

913

215386  
Copy

I received and filed this instrument for  
record on the 31 day of Dec 1963  
at 11:18 o'clock A. M., permanent files  
of Missoula County, State of Montana  
Witness my hand  
MARTIN S. BRIDGES, County Recorder  
M. S. Belner Deputy  
Fee \$ 2.00 Paid



30

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

T. 13. N. R. 19. W.

DUPLICATE

County MISSOULA

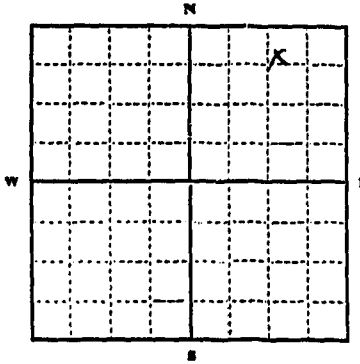
STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

JAN 24 1964

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

Leonard A. and Agnes M. White, of 2636 Spurgin Road MISSOULA  
 (Name of Appropriator) (Address) (Town)

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



NE 1/4 NE 1/4 Sec. 30 T. 13 N. R. 19 W

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

2. The beneficial use on which the claim is based Domestic, Stock and Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Dec. 21, 1946, Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 3/4 acre in W 1/2 lot 52 Leonard A. and Agnes M. White owners
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 Started Dec. 10, 1946 Completed Dec. 21, 1946
8. The depth of water table 30 feet from bottom of Basement = 35 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled, 4 inch, 72 feet from bottom of Basement = 77 feet
10. The estimated amount of groundwater withdrawn each year 2,232,000 gallons
11. The log of formations encountered in the drilling of each well if available 8 feet top soil, sand & Gravel, 30 feet sand some Clay & large Boulders, 30 feet sand, clay & Gravel, 4 feet 6 inches coarse sand & 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 Leonard A. White

Date Jan. 22, 1964

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

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

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

33800

1374

316724

*Copy*

I received and filed this instrument for  
record on the 21st day of Jan, 1947  
at 10:15 o'clock A. M., permanent files  
of Missoula County, State of Montana  
Witness my hand:  
MARTIN E. BEYER, County Recorder  
By Wesley Ball Deputy  
Fee 50.00 Paid

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

T 15 N R 19 W 30

DUPLICATE

County Missoula

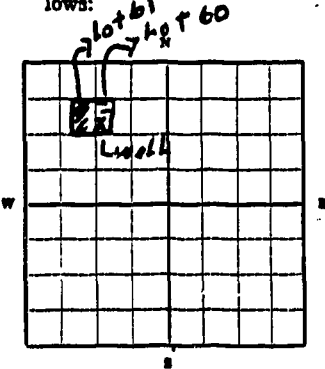
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECORDED  
JAN 3 1964

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

STATE ENGINEER

1. Mydas C. Zieg of 3030 Rte. 1, 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:



Section 30 T 15 N R 19 W.

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

2. The beneficial use on which the claim is based household use and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been this well was probably dug about 1900 A.D. it has been used continuously since its installation
4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 20 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof this is about one-half acre of garden located adjacent to the well. The owner is Mydas C. Zieg
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric 3/4 H.P. pump using an injector. It is a two pipe system.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater probably about 1900 A.D.
8. The depth of water table about 30 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater I think this well was hand dug to about 25 feet, then a pipe driven in a few feet further, about 5 or more feet.
10. The estimated amount of groundwater withdrawn each year 2,000,000
11. The log of formations encountered in the drilling of each well if available no information available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Book 4, Page 260, Line 5 Missoula County Treasurer, Dismore Orchard Jones No. 4

Signature of Owner Mydas C. Zieg  
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.

20098

972 215446

I received and filed this instrument  
record on the 21<sup>st</sup> day of Dec 1923  
at 1:15 o'clock P.M., permanent files  
of Missoula County, State of Montana  
Witness my hand  
M. W. R. R. Deputy Recorder  
By *Thos. J. Peterson* Deputy  
Fee \$ ..... Paid

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL APR 13 1971

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

Developed after January 1, 1962

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

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

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

Owner Don L. and Shirley E. Alsbury

Address 2923 Hilltop Drive

Missoula, Montana

Date well started 10/9/70

completed 10/12/70

For Administrator's Use	
File	<u>301434</u>
	<u>April 13, 1971</u>
	<u>1:45 p.m.</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

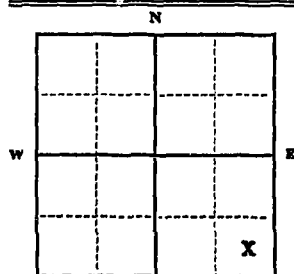
Industrial  Drainage  Other \* Garden/Lawn

\*Describe

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 150,000 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 by 1/4"	+2'6"	68'	N	O	N E



SE 1/4 Sec. 31  
T. 15N. N.R. 19W. E

Static water level 31'4" ft.\*  
Pumping water level 42 ft.\*  
at 50 gallons per minute,  
measured 2 hours after pumping  
began. hours

\*Measured from ground level.  
Well developed by Air Lift  
for 2 hours. Pump  
Power 300 Pump 30 HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff) All  
water entering well is  
coming through open  
bottom of six inch  
casing. Walls in this  
cont.

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

Driller's Signature William E. Alsbury

Driller's Address 2500 Reserve Street

Missoula, Montana LICENSE NO. 52

Top of Ground (Elev. above sea level) 3155'

From (Feet)	To (Feet)	
0	1	Topsoil.
1	58	Sand with gravel and cobbles mixed in.
58	63	Fine sand with some gravel mixed in.
63	65	Tan clay.
65	68	Clean coarse sand and gravel. Water.

68 ft. Show exact depth of bottom  
Water rises in well 31'4"  
from surface.

2112

301437

I received and filed this instrument for record on the 13<sup>th</sup> day of April 1921 at 11:46 o'clock P.M. Hermanon Hise of Missoula County, State of Montana

Witness my hand  
 Verne R. Gause, County Recorder  
 By *M. M. ...* Deputy  
 Fee \$2.00 *paid*

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

Person	W. H. ...
Location	St. ...
By	...
Method	...
Date	...

RECEIVED

County Missoula

31

JUL 19 1972

DRILLER'S LOG

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.

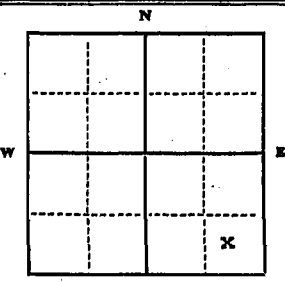
**J. Gary Louquet Leasing**  
 Owner: J. Gary Louquet Leasing  
 Address: Hwy 93 South  
Missoula, Montana  
 Date well started 6/30/72  
 completed 7/ 8/72  
 Type of well Drilled  
 Equipment used Cable Tool Rig  
 Water Use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other  Garden/Lawn

For Administrator's Use  
 File # 2304, 319458  
July 19, 1972 1:00 pm  
 GW 1

\*Describe Commercial  
 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). Tracts 3 & 4 of N.P. Addition

ESTIMATED ANNUAL WITHDRAWAL 105,120,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	3 5/8" OD x 1/4"	+2	68	Copper Alloy Shutter type	66'7"	75
A blank tailpipe w/solid closed bottom extends from					75	78



SE 1/4 Sec 31  
 T. 13 N. R. 19 W.

Static water level 25'3" ft.\*  
 Pumping water level 68 ft.\*  
 at 200 gallons per minute,  
 measured 360 minutes after pumping began.  
 \*Measured from ground level.  
 Well developed by Air Lift Pump  
 for Six hours.  
 Power Gas Pump 30 HP  
 Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through slot openings in water well screen. Wells in this area can be cont'd

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

Driller's Signature Walter A. Gilmore  
 Driller's Address 2500 Reserve Street  
Missoula, Montana LICENSE NO. 52

Top of Ground Approx. (Elev. above sea level) 3160'

From (Feet)	To (Feet)	Description
0	1	Topsoil
1	3	Tan clay
3	57	Brown sand with cobblestones and gravel mixed in
57	63	Fine sand with gravel mixed in
63	68	Tan sandy clay
68	78	Clean coarse sand and gravel. Water.

78 feet Show exact depth of bottom  
Water rises in the well  
25'3" from surface 50,959

#2304

319458

I received and filed this instrument for record on the 7 day of July 1922 at 1 o'clock P. M. pursuant to the of Missoula County, State of Montana. Witness my hand.  
 Verance P. Cruss, County Recorder  
 By Dorothy A. Byrman, Deputy  
 Fee \$ 2.00 cash Paid

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

RECEIVED

JUL 11 1922

MISSOULA COUNTY RECORDS

SEARCHED	INDEXED
SERIALIZED	FILED
JUL 11 1922	
MISSOULA COUNTY RECORDS	



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

T. 13 N R. 19 W 31

DUPLICATE

AUG 1970

County Missoula

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level \_\_\_\_\_)  
Well located at Ft. Missoula

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

(Under Chapter 237, Montana Session Laws, 1961)

MISSOULA COUNTY

0-1 Topsoil & Gravel

1-9 Brown Clay & Gravel

9-18 Cobblestones Gravel & Brown Clay

18-27 Sand and Small Gravel

27-32 Small Gravel Sand and Water

32-34 Sand and Water

34-38 Large Gravel & Water

Owner HIGH SCHOOL Address Missoula, Montana  
CAMP WELL DRILLING & 1522 S. 14th W.

Driller PUMP SUPPLY Address Missoula, Montana

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

Date well started June 8, 1970 Date completed June 10, 1970

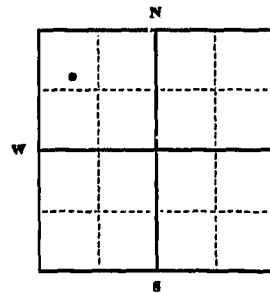
Type of well Drilled Equipment used Churn Drill  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I.D.	6" I.D. 17 lb per ft.	2' 4" above G.L.	88'		none	

Doc. No. 293631  
Filed for record  
this 5 day of August  
A. D. 19 70, at 4:00  
o'clock P. M.



Static Water Level for non-flowing well \_\_\_\_\_ feet.  
23  
Shut-in Pressure for Flowing Well \_\_\_\_\_  
Pumping Water Level \_\_\_\_\_ feet  
at 125 gal. per minute.  
Discharge in gal. per min. of flowing well \_\_\_\_\_

How Tested Air Compressor  
Length of Test 3 hours

NE 1/4 Sec. 31 T. 13 N R. 19 W  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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

(Continue on reverse side)

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

Irrigation of approximately 20 acres to be used as a forestry Project Development

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

Camp  
Driller's Signature CAMP WELL  
DRILLING & PUMP SUPPLY  
47323

# 2021

293631

I received and filed this Instrument for  
 record on the 5 day of May 1970  
 at 4:00 o'clock P.M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand:  
 Virginia R. Crouse, County Recorder  
 By M. P. Kelly  
 Fee \$ 2.00 Paid

RECORDED  
 MISSOULA COUNTY, MONTANA  
 MAY 11 1970  
 MISSOULA COUNTY CLERK


Length of Job  
 How Long  
 Disposition in this case of Property  
 of  
 Property  
 in this case of Property

RECEIVED

County.. Missoula 31

11/21/1972

DRILLER'S LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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 Missoula Community Hospital  
Address 2827 Fort Missoula Road  
Missoula, Montana 59801

For Administrator's Use	
File <u>2367, 324209</u>	
<u>Nov. 3/1972 1:45pm</u>	
GW 1	

Date well started 6/25/69  
completed 6/27/69

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

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

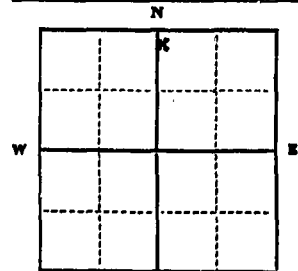
Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other  Garden/Lawn

\*Describe Emergency Hospital Use

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block Tracts 2, 3, 4, 5, part of 6, & tract 7 and Addition), Fort Missoula Addition #1

ESTIMATED ANNUAL WITHDRAWAL 63,072,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" x 280	+ 2	99	Johnson Wire Wound	125/1000	
Blank tailpipe w/one inch thick welded plug in bottom extends					99	111
					111	127



NW 1/4 NE 1/4 Sec. 31  
T. 13 N. R. 19 E. 8

Static water level 32 ft.\*  
Pumping water level 69 ft.\*  
at 300 gallons per minute,  
measured 180 minutes after pumping began.  
\*Measured from ground level.  
Well developed by Air Lift Pump  
for 15 hours.  
Power Diesel Pump 150 HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through slot openings in water well screen. Wells in this area can be de-  
cont'd

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

Driller's Signature [Signature]  
Driller's Address 2500 Reserve Street

Missoula, Montana LICENSE NO. 52

Top of Ground Approx. (Elev. above sea level) 3160'

From (Feet)	To (Feet)	
0	2	Tan topsoil
2	15	Clay, gravel and boulders
15	80	Sand and small gravels embedded in clay
80	82	Sand, gravel and cobblestones embedded in clay. Some water
82	95	Fine sand and gravel
95	100	Silty sand and gravel
100	111	Coarse sand and gravel, some fines.
111	127	Silty sand and gravel

127' Show exact depth of bottom  
Water rises in well 32 feet  
from surface.  
51,768

2367

3 24 209

I received and read this instrument  
 record on the 3<sup>rd</sup> day of March 1909  
 at 11:45 a.m. at the office of the  
 of Missoula County State of Montana  
 Witness my hand  
 Veronique R. Gross, County Recorder  
 By W. J. Cunningham, Deputy  
 Fee \$ 2.00 Paid

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

MISSOULA COUNTY RECORDS  
 DEPT. OF COUNTY CLERK  
 MISSOULA, MONTANA  
 RECEIVED  
 MARCH 24 1909

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 Missoula Community Hospital  
Address 2827 Fort Missoula Road  
Missoula, Montana 59801  
Date well started 6/18/69  
completed 6/24/69

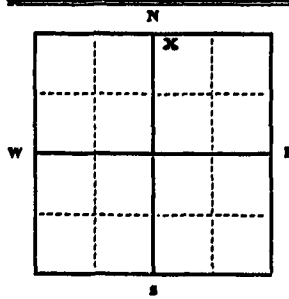
For Administrator's Use  
File 2368, 32420  
Nov. 3/1972 1:50pm  
GW 1

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 Irrigation & Hospital Emergency Use  
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block Tracts 2, 3, 4, 5, part of 6 & tract 7 and Addition). Fort Missoula Addition #1

ESTIMATED ANNUAL WITHDRAWAL 63,072,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 1/2" OD x .280 + 2		99	Johnson Wire Wound 125/1000	99	111
	Blank tailpipe w/one inch thick welded plug in bottom				111	116



Sec. 31  
T. 13 N. R. 19 E. S. 2 W.

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

Driller's Signature [Signature]  
Driller's Address 2500 Reserve Street

Missoula, Montana 59801 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. (Elev. above sea level) 3160'

From (Feet)	To (Feet)	
0	2	Top topsoil
2	15	Gravel & boulders mixed in clay
15	79	Coarse sand & small gravels embedded in clay. Some water
79	82	Fine sand & gravel
82	95	Silty sand & gravel
95	112	Sand & coarse gravel
112	116	Silty sand & gravel

116' Show exact depth of bottom water rises in well 35 feet from surface.

2368

324210

I received and filed this instrument for  
 record on the 3rd day of Nov, 1922  
 at 1:50 o'clock P.M. permanent files  
 of Missouri County, State of Missouri  
 Witness my hand.  
 Veronique R. Cross, County Recorder  
 By M. A. [Signature] Deputy  
 Fee 1.20

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

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.

American Dental Manufacturing Co.

Owner \_\_\_\_\_  
1201 S 6th. West  
Address \_\_\_\_\_  
Missoula, Montana 59801

For Administrator's Use
File <u>334054-2532</u>
<u>June 27 1973</u>
GW1 <u>1:50 p.m.</u>

Date well started 5/24/73  
completed 5/29/73

Type of well \_\_\_\_\_  
(Dig, driven, bored or drilled)

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

Water Use: Domestic  Municipal  Stock  Irrigation

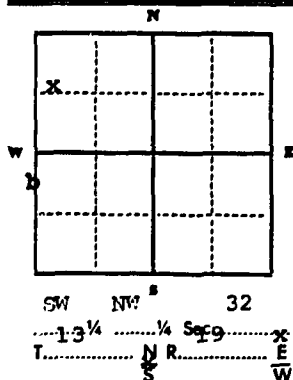
Industrial  Drainage  Other  Garden/Lawn

\*Describe Electro Plating Processes & Airconditioning

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (see Log, block and Addition). Carline Addition

ESTIMATED ANNUAL WITHDRAWAL 52,560,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS			
				Kind Size	From (Foot)	To (Foot)	
6"	6" OD x 1/2"	+2	82	N	O	N	E



Static water level 33 ft.\*  
Pumping water level 69 ft.\*  
at 100 gallons per minute, measured \_\_\_\_\_ minutes after pumping began.  
\*Measured from ground level Pump \_\_\_\_\_  
Well developed by \_\_\_\_\_  
for 318 hours. 30 HP  
Power. \_\_\_\_\_ Pump. \_\_\_\_\_ HP  
Remarks: (Gravel pecking, cemented packers, type of shutoff) \_\_\_\_\_  
entering well through open bottom of six inch casing. Wells in this area can be dependent.

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

Driller's Signature Osborne dba Liberty Drilling Co.  
2500 Reserve Street  
Driller's Address \_\_\_\_\_  
Missoula, Montana 59801 52

LICENSE NO. \_\_\_\_\_

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. 3160'  
(Elev. above sea level)

From (Feet)	To (Feet)	
0	29	sand, gravel, cobblestones and boulder
29	74	sand, small gravels mixed in pink clay
74	79	Fine sand and gravel. Some water
79	82	Clean coarse sand and gravel. Water

82' Show exact depth of bottom water rises in well 33 feet from surface.

54675

2522

334054

I received and filed this instrument for record on the 27<sup>th</sup> day of June, 1973, at 1:30 o'clock P. M. permanent files of Missoula County, State of Montana  
Witness my hand:  
Dorothy L. Head, County Recorder  
By W. J. [Signature], Deputy  
Fee \$ 2.00 Paid [Signature]

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 40 to 50 percent of the tested capacity of the aquifer.



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

T. 13N R. 19W

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1968

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Animal Clinic  
Carl & Cooper & James N. Brogger of 2604 Brooke Missoula  
(Name of Appropriator) (Address) (Town)

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

N  
all that portion of  
lots 4 to 7 & part of lots  
8 to 10 of Block 8 of  
central addition to  
the city of Missoula  
lying north & west of  
U.S. Highway 93.  
S

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. commercial

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1943  
continuous

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. electrical pump, lot 9 of Block 8 of central addition to city of Missoula

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1943

8. The depth of water table. 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.  
drilled well, 6 inch casing, 70 feet

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

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

book 1 page 132 line 19  
county treasurer's office & book 209 of deeds  
page 200 in records of Missoula Co. Montana.

Signature of Owner Carl & Cooper  
James N. Brogger  
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.

1055

I received and filed this instrument for  
 record on the 21 day of Dec 1913  
 at 11 o'clock A.M., permanent files  
 of Missoula County, State of Montana  
 Witness my hand  
 MARTIN S. SPINER, County Recorder  
 By Edith Lane Deputy  
 Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDS  
 DEPARTMENT  
 MISSOULA, MONTANA  
 RECEIVED



# 2145

304346

I received and filed this instrument for  
record on the 28 day of June 1971  
at 2:00 P.M. permanent files  
of Missoula County, State of Montana  
Witness my hand  
Vernon R. Crouse, County Recorder  
By Donetta A. Hamming, Dept.  
Fee 12.00 Cash Paid

File No. ....

T. 13 N. R. 19 W

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

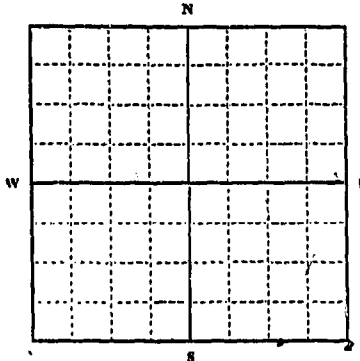
RECEIVED  
JAN 3 1964  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Don B. Cahill (Name of Appropriator), of 1660 39th (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:



5 1/4 Sec. 32 T. 13 N. R. 19 W  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been about 1950 and continuous domestic and irrigation use.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 8 1/2 acres of lawn and garden adjacent to well for owner's use.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well pump is 93.8 feet West and 1 1/2' North of southwest corner of section 32.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater approximately 1950 for both construction and completion

8. The depth of water table 20 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5 1/2 inch casing with two inch pipe up pump to remove water. The depth is 20 feet. The pump is powered by 2 1/2 hp electrical motor.

10. The estimated amount of groundwater withdrawn each year 5,000,000 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 not available

Signature of Owner Don B. Cahill

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.

20045

215314

*Copy*  
I received and filed this instrument for  
record on the *21* day of *July* 1965  
at *9:12* o'clock *A.M.*, permanent files  
of Missoula County, State of Montana  
Witness my hand:  
MARTIN S. BEASLER, County Recorder  
By *Martin S. Beasler*  
Fee \$ *1.00* Paid

ADDENDUM

Form:  Declaration of Vested Groundwater Rights

Notice of Completion of Groundwater  
Appropriation by Means of Well

Name of  
owner:

Ray + Viola DeMott

Corrected  
land description:

1/2 E 1/2 NE 1/4 NW  
Sec. 32 T 13N R 19W

Initials:

CS

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

T. 13 R. 14 32?

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

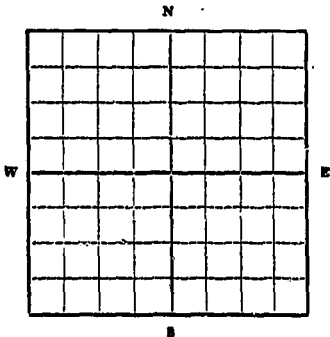
RECEIVED  
DEC 3 1963

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

STATE ENGINEER

1. Ray or Viola Bennett of 2135 Peterson, 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.

- The beneficial use on which the claim is based Home and irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been March 1938 continuously since that date
- The amount of groundwater claimed (in miner's inches or gallons per minute) 1.2 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 about 8 to 12, Car Line Addition, Block 25, Ray and Viola Bennett
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump, well located near center of lot 11, Block 25, Car Line Addition
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Began well in Feb. 1938 finished March 1938
- The depth of water table 36 feet - Nov. 11, 1963
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Dug with cement casing, size equal 25 inches x 30 inches from basement floor to 3 ft. above bottom of well. Next 3 ft. of casing is 12 inches of clay tile. The well is 43 ft. from deep from ground level.
- The estimated amount of groundwater withdrawn each year 300,000 Gallons
- The log of formations encountered in the drilling of each well if available first 2 ft. Rock and sand, next 41 ft. fine Rock, sand and gravel
- 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 Ray Bennett  
Date Nov. 11, 1963  
Viola Bennett

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.



334

213404

*Copy*

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

*Handwritten notes, possibly describing the instrument or recording details.*

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RESI DOWN

ADDENDUM

Form:  Declaration of Vested Groundwater Rights

Notice of Completion of Groundwater  
Appropriation by Means of Well

Name of owner: Gik Horn Lumber Co. Inc.

Corrected  
land description: 1/4 NE 1/4 SE 1/4 NW  
Sec. 32 T13N R19W

Initials: CS

File No. ....

T 13N R 19W 32  
sec. 29 or 32

DUPLICATE

County .....

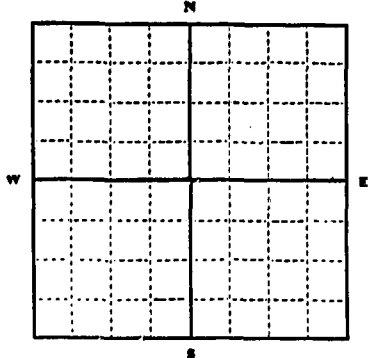
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1968

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

1. ELK HORN LUMBER CO., INC. of Box 92, 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. Mill pond at  
saw mill, domestic use, fire protection and  
sprinkling logs.

3. Date or approximate date of earliest beneficial use; and how continu-  
ous the use has been. 1953 well drilled. In con-  
tinuous use since that date.

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  
All of Blocks X, M, U and that part of Block  
P east of the N.P. Railway Bitterroot Branch;  
Lots 20 to 24, both inclusive, and Lots 25 to  
(Description continued on back hereof)

6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal. By drilled  
well located in lot 24, Block U.

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater. In 1953.

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. Drilled well, 10 inch casing, approximately  
70 feet deep, 25 H.P. electric pump with 6 inch discharge.

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. None available.

ELK HORN LUMBER CO., INC.  
by  
Signature of Owner: *Wayne E. Rusk*  
Vice President  
Date: December 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.

20036

Missoula,

WAYNE E. RUSK, JR.,

President of  
the Vice /

company

Vice President of ELK HORN LUMBER CO., INC.

*Wayne*

Wayne E. Rusk, Jr.

30th.

December

65.

Missoula, Montana

July 10

65.

(Continuation of description)

XX

59, BOTH INCLUSIVE IN Block T, Lots 12 to 24 in Block S; and Lots 1 to 12, both inclusive, and Lots 31 to 38, both inclusive, in Block Q, all in CAR LINE ADDITION NO. 3 in MISSOULA COUNTY, MONTANA. Block V is owned by Ella Delaney. All other ground owned by Elk Horn Lumber Co., Inc.

I received and filed this document for  
 record on 30th Dec-1965  
 at Missoula, N. M. Payment filed  
 of Missoula County, State of Montana  
 By Mark S. Howell Recorder  
 File # 29

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