

1881

281103

received and filed this instrument for
 record on the 9th day of May, 1909,
 at 11:00 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Veranae R. Crouse, County Recorder
 By *M. M. Corning*, Deputy
 Fee \$ 2.00 *Paid*

1909

1909

Deputy in charge of recording
 at
 Missoula, Montana
 1909

1909

File No. _____

MONTANA WATER RESOURCES BOARD

RECEIVED

T. 13 R. 20 S. 8

DUPLICATE

MAY 19 1970

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Dean E. Stacy Et. #1, Big Flat
Inez S. Stacy Missoula, Montana

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

0--3 Topsoil

3--8 Sand & Gravel

9'3" Static water level Driller: C.K.C. Drilling Address: Box 570, Missoula

8--11 Sand

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

Date well started: May 19, 1969 Date completed: May 21, 1969

11--50 Sand & Water

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

50--51 Sand, some gravel & water

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

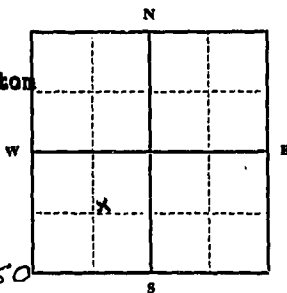
51--59 Clay, sand & gravel

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6", 17#	1' up	99 1/2'	---	---	---

59--96 Silty sand & water

96--99 1/2 Sand, gravel & water

99 1/2 Exact depth of bottom



Static Water Level for non-flowing well 9'3" feet.

Shut-in Pressure for Flowing Well ---

Pumping Water Level 12' feet
at 40 gal. per minute.

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

How Tested: Bailer

Length of Test: 4hr.

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

Doc. No. 291296
Filed for record
this 15th day of May
A. D. 19 70, at 1:50
o'clock P. M.

1/4 Sec. 8 T. 13 R. 20 S. 8
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

185
Driller's License Number

Charles F. Hallentz
Driller's Signature

4645

1987

271285

I received and filed this instrument for record on the 15th day of May 1970 at 1:30 o'clock P.M. permbest files of Missoula County, State of Montana.
 Witness my hand:
 Veranne R. Cronze, County Recorder
 By *[Signature]* Deputy
 Fee \$2.00 *[Signature]*

271285
 1970

8

File No.

T. 13N R. 20W

DUPLICATE

County Missoula

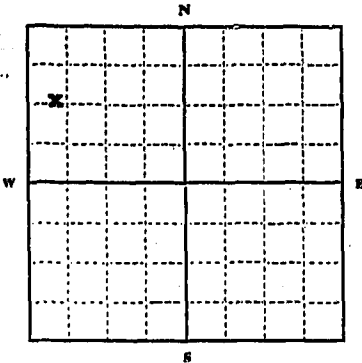
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

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

I, George Dussault, of Rte. 2 Missoula
(Name of Appropriator) (Address) (Town)

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



NW 1/4 NW Sec. 9 T. 13N R. 20W

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
1924 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
500 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.....
Lawn, yard and garden besides house and dairy plant

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
1924 commenced and completed

8. The depth of water table.....
12 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 in. casing - 105 feet deep

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

11. The log of formations encountered in the drilling of each well if available.....
gravel for 15 feet - 10 feet hard rock, then gravel remainder

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 Geo. Dussault

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.

20294

1175

MISSOURI

I received and filed this instrument for
 record on the 21 day of Dec 1963
 at 6.18 o'clock PM, permanent files
 of Missouri County, State of Montana
 Witness my hand:
 By Ethel Lane County Recorder
Per \$ 2.00 Paid

MISSOURI COUNTY, MONTANA
 DEPARTMENT OF REVENUE
 RECEIVED FROM THE MISSOURI COUNTY RECORDER
 DECEMBER 21, 1963
 AMOUNT \$ 2.00

File No. _____

T. 13^N R. 20^W 9

DUPLICATE

County _____

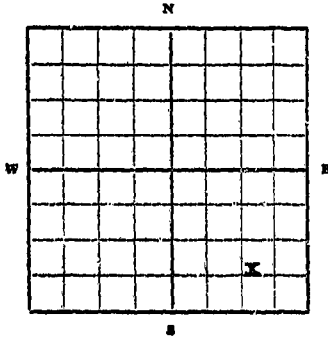
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

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

STATE ENGINEER

1. Margueritte L. Miller of Rt. #2, Grass Valley, 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 9 T.13 R.20.

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

- The beneficial use on which the claim is based Livestock water, irrigation and household
- Date or approximate date of earliest beneficial use; and how continuous the use has been drilled 1954. Used daily since.
- The amount of groundwater claimed (in miner's inches or gallons per minute) 1000 gallons per minute
- If used for irrigation, give the acreage and description of the lands to which water has been applied and names of the owner thereof 25 acres, SE 1/4, Sec. 9, T13, R20
Margueritte L. Miller
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Jet Pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater well drilled in 1954. Other information unavailable.
- The depth of water table 60 feet
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled well, 8 inches diameter, 125 feet deep. Pump is a jet type pump electrically driven.
- The estimated amount of groundwater withdrawn each year 1,000,000 gallons yearly
- The log of formations encountered in the drilling of each well if available not available
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Margueritte L. Miller
Date December 27, 1963

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

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

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

672

215052

Copy
I received and filed this instrument for
record on the 30 day of Dec 19 69
at 8:10 o'clock A.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BECKER, County Recorder
By [Signature] Deputy
Fee \$ 1.00 Paid

File No. _____

T. Rt 2 N 20 W
County Missoula

DUPLICATE

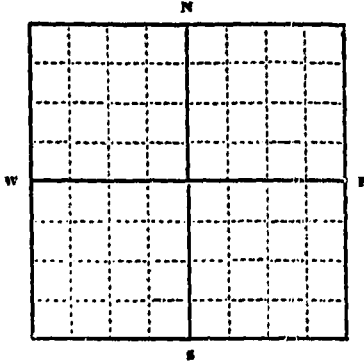
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

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

1. Harry Stepler, of Rt 2 Missoula
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 9 T. 13 R. 20

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

2. The beneficial use on which the claim is based Home Land
Cattle - Dairy

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 3-4-59

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 75 gal.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 3-4-59 3-12-59

8. The depth of water table 50 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
dive - 4" pipe - 50 ft.

10. The estimated amount of groundwater withdrawn each year unknown

11. The log of formations encountered in the drilling of each well if available black shale
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 Harry Stepler
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. 19982

782 2151 90

I received and filed this instrument for
record on the 20th day of Dec 1967
at 9:40 o'clock P. M. pursuant to the
of Missoula County, State of Montana
Witness my hand
M. J. S. BENTLEY, County Recorder
By: Mat. J. Bentley Deputy
Fee \$ 2.00 Paid

CV

File No. _____

DUPLICATE

SECTION 10 No 7
11

RECEIVED
MAY 20 1964

T. 13^N 20^W 9
County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF STATE ENGINEER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

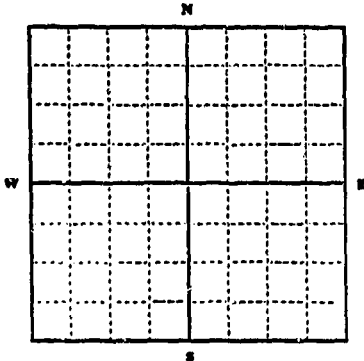
(Under Chapter 237, Montana Session Laws, 1961)

Mercedes Stiegler

1 HARRY STIEDLER, of ROUTE #2 MISSOULA
(Name of Appropriator) (Address) (Town)

County of MISSOULA State of MONTANA

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



1/4 Sec. 9 T. 13 R. 20

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

2. The beneficial use on which the claim is based HOUSE HOLD,
CATTLE, IRRIGATION

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 4-5-63

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 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
YARDS

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 4-5-63

8. The depth of water table 40 FEET

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater DRIVEN 3" PIPE 40 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 BLACK SOIL,
CLAY, SOIL

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 Mercedes Stiegler

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.

2009

965

215474

I received and filed this instrument
 record of _____ of _____
 at _____ o'clock _____ M., permanent files
 of Missoula County, State of Montana
 Witness my hand

 By _____ Deputy
 Fee \$ _____ Paid

File No. _____

T. 13 N. R. 20 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

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

(Under Chapter 287 Montana Session Laws, 1961)

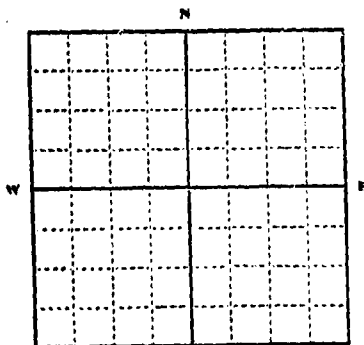
Date of Appropriation of Groundwater _____

Owner Arld Steigler Address Route 2, Missoula
By Recorder Steigler
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. Natural Spring



1/4 Sec. 9 T. 13 N. R. 20
Indicate point of appropriation
and place of use, if possible.

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

estimate approximate lengths of periods of use _____

Continuous Used
Cattle Water
Fish Pond

Signature of Owner Arld Steigler

Date December 30, 1963

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.

1140

I received and filed this instrument for
record on the 21 day of Dec 19 1903
at 5:37 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand
By *Mat & Belva* County Recorder
Deputy
Fee \$ 2.00 Paid

File No. _____

T. 13 N. R. 20 W

DUPLICATE

County MISSOULA

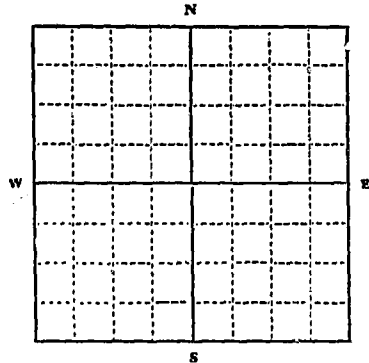
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 3 1964

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

Mercedes Stiegler
1. HARRY STIEGLER, of ROUTE #2 MISSOULA
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 9, T. 13, R. 20

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

2. The beneficial use on which the claim is based. CATTLE, HOUSE HOLD, IRRIGATION

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. ABOUT 1909

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 75 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. YARDS

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

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

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. DRIVEN, 3" PIPE, 50 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. BLACK SOIL, 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. NONE

Signature of Owner Mercedes Stiegler

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.

2009

966 215440

I received and filed this document by
record on the 31st day of Dec 1967
at 1:40 o'clock P.M. in the Court files
of Missoula County, State of Montana
Witness my hand:
M. W. S. BEINER, County Recorder
By: Walter J. Nelson Deputy
Fee \$ 2.00 Paid

File No.

T. 13 R. 20
County Missoula

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

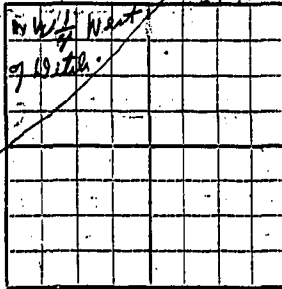
RECEIVED
MAR 12 1963

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

STATE ENGINEER

1. Arthur Deschamps, Jr. of Missoula R.F.D. #2
(Name of Appropriator) (Address) (Town)

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



West 1/4
N. 1/4 Sect. 0 T. 13 R. 20

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

2. The beneficial use on which the claim is based General Domestic use for and around dwelling to include watering lawns and trees & shrubs
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Has been constant since December 1950

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 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. Owner Same as above 3. Acreage irrigated for general - trees & shrubs

6. The means of withdrawing such water from the ground and the location of such well or other means of withdrawal. By pump and pressure tank & electric power well located under house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. This well and all pumping facilities installed July 1950

8. The depth of water table Unknown

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Depth of well 125 ft. and consist of a 4 inch casing, powered with electric pump and pressure tank pump approximately 50' pressure

10. The estimated amount of groundwater withdrawn each year Use for house

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 additional information

Signature of Owner Arthur Deschamps, Jr.
Date March 8 - 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.

#182

208615

I received and filed this instrument for
record on the 8 day of March 1963
at 3:20 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. DEHNER, County Recorder
By *[Signature]* Deputy
Feb 22 1963 Paid

12

File No. _____

T. 13 R. 20

DUPLICATE

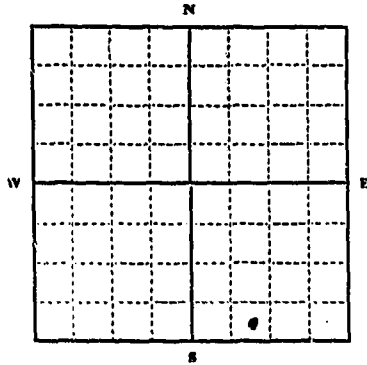
County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1965
STATE ENGINEER

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

1. G. Elmer Flynn, of Route # 2, Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SE 12 T. 13 R. 20

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1865

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 Gallons Per Minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1865

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 1 6" Drilled well-1 Horse motor-2 " outlet

10. The estimated amount of groundwater withdrawn each year Unknown

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

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

Signature of Owner G. Elmer Flynn
Date Dec 24 1963

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

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

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

20417

1298

C

I have read and approved the contents of the
 original of Copy of Dec 1965
 of 748 of 9 permanent files
 of Missoula County, State of Montana
 Witness my hand:
 By [Signature] County Recorder
 Fee \$ 0.00 Paid

17

T. 13 R. 20

County Missoula

#one Well

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
DEC 29 1961

WATER WELL LOG

STATE ENGINEER

Sec 12
930 ft

2400 ft		

Owner Alfred Van Dine Address R.F.D. #2

Driller Frederick Van Dine Address R.F.D. #2

Date Started 1876 Date Completed 1876

Location: Sec. 12 T. 13 R. 20 1/4 sec. _____

Type of well Dug Equipment used Push shovel and bucket
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

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: _____ feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (gate)

Pumping water level 15 ft feet at _____ gal. per min. _____

How tested: _____

Length of test _____

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

This Well was dug 1876 year

(over)

T. 15 R. 20

County Missoula, Mont

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUL 27 1952

STATE ENGINEER

WATER WELL LOG

Sec 12 # Three Well
530 ft
7-630 ft

7-630 ft		

Owner Edna V. Miller Address R.F.D. #2
Missoula, Mont

Driller Liberty Construction Co. Address Missoula, Mont

Date Started July 1952 Date Completed July 1952

Location: Sec. R T. 13 R. 20 $\frac{1}{4}$ sec.

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 6 inch ft. to _____ ft. Type Pipe Size 4 inch

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: _____ feet.

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

Pumping water level 20 ft feet at _____ gal. per min.

How tested: _____

Length of test _____

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	
107 ft 5 1/2 in		5 ft of clay 7 1/2 ft of gravel 9 4 1/2 ft sand and dash till

I certify and that the information for record on this log is true and correct as far as the work is concerned and that I am a resident of the State of Missouri and that I am a member of the Missouri Geological Survey. Witness my hand and seal this 10th day of December 1913. *C. W. ...* District Deputy

100 198313

copy

Form No. 18
8-60

17

T. 13 R. 20

County Missoula Mont

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
DEC 27 1961

Two Well

WATER WELL LOG

STATE ENGINEER

810 ft

810 ft		

Owner Eldon D. Dierker Address R.F.D. #2
Missoula, Mont
 Driller Franklin Dierker Address R.F.D. #2
Missoula, Mont
 Date Started 1876 year Date Completed 1876 year
 Location: Sec. 12 T. 13 R. 20 $\frac{1}{4}$ sec.

Type of well Dug Equipment used Pick shovel & Buck
(Dig, drift, bored, or drilled) (Chain, drill, rotary, etc.)

Water use: Domestic Municipal Stock Irrigation
 Industrial Drainage Other _____

Casing: 6 by 6 ft ft. to _____ ft. Type Board Size 2 by 10 inches
Planks

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: _____ feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____

Pumping water level 15 ft feet at _____ gal. per min.

How tested: _____

Length of test _____

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

(over)

12

File No.

T. 13 N. 10 W.

DUPLICATE

County Missoula, Mont.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

STATE ENGINEER
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec. 31 - 1963

Owner Edwin D. Violette Address R.F.D. #2

Contractor (if any) Francis Violette Grandfather

Address of Contractor R.F.D. #2 Missoula, Mont.

Date Started 1876 Year Date Completed 1876 Year

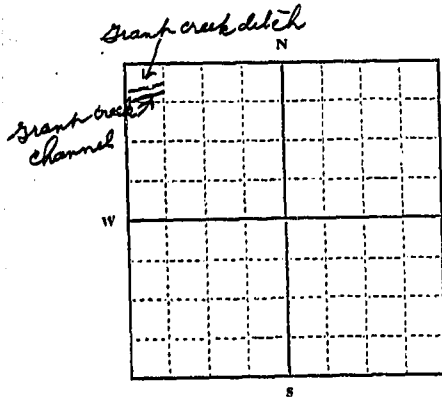
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Ditch # one 6 ft wide 4 ft deep high water rises Grant creek ditches are one mile long

Ditch # Two 3 ft wide 7 ft deep Grant Creek Channel one mile long

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

estimate approximate lengths of periods of use.....

80 years dug with horses and scrapers



N.W. 1/4 Sec. 12 T. 13 R. 30

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

Signature of Owner Edwin D. Violette

Date Dec. 31 - 1963

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.

20224

1104

Filed for record
the 31 day of Dec 1963
459 object permanent files
of Leflore County, State of Oklahoma
Witness my hand
By *Walter J. Adams* County Recorder
Fee \$ *2.00* Paid Deputy

File No.

T. 13 R. 20

DUPLICATE

WATER RESOURCES BOARD

County Missoula

LOG

RECEIVED

NOV 13 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level. 7723)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0 - 2 1/2 top soil

Owner Carl Magbrotson Address Miller Rd. Helena

Driller Harold K. Pickens Address 3924 So. Ave. Helena

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

2 1/2 - 15 gravel

Date well started 3/9/68 Date completed 3/9/68

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

15 - 20 sand

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

20 - 35 sand gravel & water

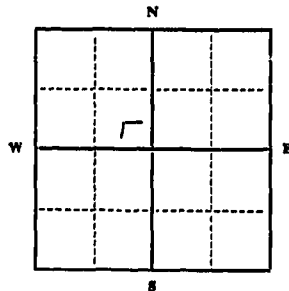
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

35 - 47 red clay

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 inch	5 1/2 od	0	70	none		

47 - 65 sand & water

65 - 70 gravel & water



Static Water Level for non-flowing well 20 ft. of top feet.

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

Pumping Water Level 22 ft. of top feet at 45 gal. per minute.

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

How Tested compressor

Length of Test 3 hrs

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

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

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

(Continue on reverse side)

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

Show exact depth of bottom.
70 ft

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

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

Driller's License Number

Harold K. Pickens
Driller's Signature

44, 752

1835

276211

I received and filed this Instrument for
 record on the 8th day of Nov. 1917
 at 2.30 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Verance R. Crouse, County Recorder
 By M. E. Conroy Deputy
 Fee \$2.00 paid cash

MISSOULA COUNTY RECORDS DEPARTMENT

MISSOULA COUNTY RECORDS DEPARTMENT
 100 N. 1st St. Missoula, Mont.
 Phone 100-1000

File No. _____

T. 13 R. 20

DUPLICATE

County _____

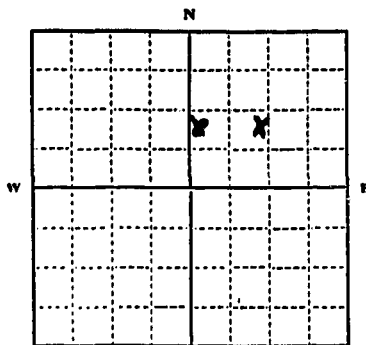
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1965

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Emmett Flynn, of RT#2 Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NE 13 T. 13 R. 20

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

2. The beneficial use on which the claim is based
Household & Stock Water

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 GAL PER MINUTE
EACH WELL

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

IRRIGATE LAWN AND GARDEN
EACH WELL

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 1942

8. The depth of water table 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.

1 1/2 inch well 50 FEET
1 1/2 inch well 65 FEET

10. The estimated amount of groundwater withdrawn each year do NOT Know

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 references to book and page of any county record do NOT Know

Signature of Owner Emmett Flynn

Date DEC 30, 1965

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

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

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

20042

215309

I received and filed this instrument for
 record on the 21st day of Dec 1900
 at 9:08 o'clock A. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
MARTIN S. BRINER, County Recorder
 By M. S. Briner Deputy
 Fee \$ 2.00 Paid

C

MISSOULA COUNTY RECORDS
 DECEMBER 21 1900
 215309

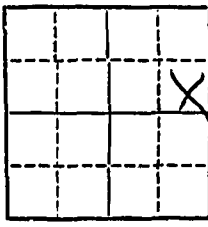
T. 13 R. 20 13
County Missoula Montana

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
DEC 1 1961

WATER WELL LOG

STATE ENGINEER



Owner William P. Thomas Address Missoula Montana

Driller A. Russel Mowbray Address Missoula Montana

Date Started Oct 30th 1949 Date Completed Nov 1st 1949

Location: Sec. 13 T. 13 R. 20 1/4 sec.

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

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

Casing: 46 ft. from surface ft. to _____ ft. Type T.C. Black Diamond Size 4 1/2" - 12" per foot

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. _____ to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: 11 feet from surface feet.

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

Pumping water level: 3.2 feet at 2.5 gal. per min.

How tested: line lift

Length of test: 8 hours

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

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	15	Top soil, sand, gravel, little clay
15	34	Clay, sand, large gravel
34	46	Less sand, large gravel, trace of clay, good water strata, Pumped clean in a short time

I received and filed this instrument for
 record on the 21st day of June, 1961
 at 311 o'clock P.M. at Memphis Tenn.
 a Missile County, State of Tennessee
 WITNESSE MY HAND
MARTIN S. ENZLER, County Recorder
 By Shirley Akley, Deputy
 Fed. 156

#195
 187482
2/23

File No. _____ WATER CONSERVATION BOARD

T. 13th R 20th 13th

DUPLICATE

JAN 1 1965

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground _____
Dawson _____
(Elev. above sea level 3225)

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

(Under Chapter 237, Montana Session Laws, 1961)

0 to 2½ top soil

2½ to 16 gravel cobble stone & sand

16 to 45 small gravel sand & water

45 to 52 sand & water

52 to 56 hard pan

56 to 63 sand & water

63 to 68½ Gravel & water

Owner Ellis R. Houseman Address Hallan Rd.

Driller Harold K. Pickens Address 3624 So. Ave.

Date of Notice of appropriation of groundwater _____

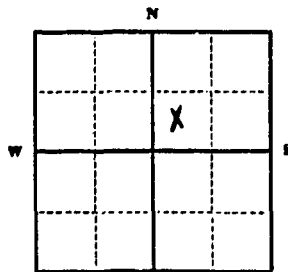
Date well started 6/29/65 Date completed 6/31/65

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 inch	5 inch 14.67	0-	68½			



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 52½ feet
at 40 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Compressor

Length of Test 2½ hrs.

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

Regy. Addr #1 Lot #1

SW ¼ NE Sec. 13, T. 13, R. 20
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

68½ ft.

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

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

71
Driller's License Number

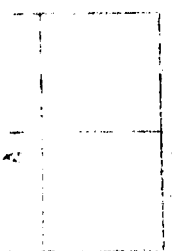
Harold K. Pickens
Driller's Signature

4152

1538

245500

I received and filed this instrument for
 record on the 31 day of Dec. 1965
 at 1:45 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Verance R. Cross, County Recorder
 By Thomas J. Cross, Deputy
 Fee \$ 2.00 Paid cash



213

File No. _____

T 13^N R 20^W

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 18 1964

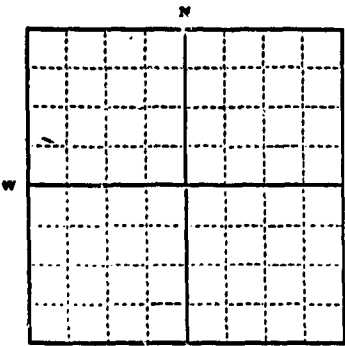
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Hughes

William M. Hughes R 2, of Mellon Rd 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:



in Sec 13 T.13 R.20

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Has been used continuously since May 1st 1958

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. 13 acres lawn garden pasture William M. Hughes

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. May 1st 58

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. Artesian 4 in 52 ft

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including references to book and page of any county record. Book 205 Page 268

Signature of Owner William M. Hughes
Date Jan 10 - 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.

31430

216220

Copy
I received and filed this instrument for
record on the *10* day of *January* 19*21*
at *1* o'clock *P.*M. *permanant files*
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By *Martin S. Behner* Deputy
Fee \$ *2.00* Paid

File No.

T. 13 N. R. 20 W.

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED

County MISSOULA

LOG

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

AUG 1 1967

Top of Ground
Top Soil
(Elev. above sea level 3100)

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

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

Owner Armand H. Johnson Address Rt. 2 Mullan Rd

Driller Armand H. Johnson Address Rt. 2 Mullan Rd

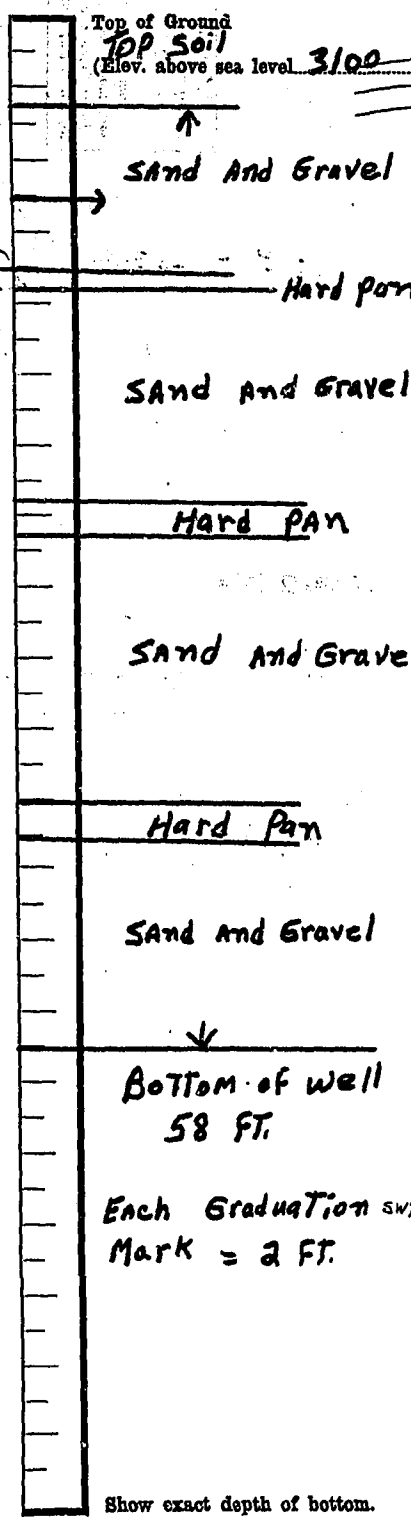
Date of Notice of appropriation of groundwater

Date well started AUGUST 25, 1967 Date completed AUGUST 28, 1967

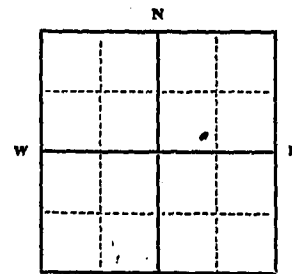
Type of well Driven Equipment used Other
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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" schedule 40	Surface	58	Burred 1/2" x 3/8"	52	57



Static Water Level for non-flowing well
From Surface 9 feet.
Shut-in Pressure for Flowing Well.....
Pumping Water Level..... 9 feet
at 30 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested.....
Length of Test.....

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 5 Acres, Lot 4
Riggs Addition #2

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.

Driller's License Number

Armand H. Johnson
Driller's Signature.

45495

1922 283440

I received and filed this instrument for record on the 30th day of January 1922 at 11:00 o'clock P.M. permanent file of Missoula County, State of Montana
Witness my hand:
Verance R. Clouse, County Recorder
By *M. M. Coman*, Deputy
Fee \$A.R.O. *Palst*

MISSOULA

RECORDED

JAN 30 1922

MISSOULA

MISSOULA

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T. 13 R. 20 13
County Missoula, Montana

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
DEC 1 1961

WATER WELL LOG STATE ENGINEER
Present Owner Anton Polanski

			X

Owner Hawal Lovinger Address Missoula Mont.
Driller A. Russel Maulberg Address Missoula Mont.
Date Started June 5th 1959 Date Completed June 10th 1959
Location: Sec. 13 T. 13 R. 20 ¼ sec.

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

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

Casing: 52 ft. from surface ft. Type T-C Black Diamond Size 4" 1-R. 12 # per foot
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. _____ to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations: _____

Static Water level, for non-flowing well: 4 ft. from surface feet.

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

Pumping water level: 2.5 feet at 3.0 gal. per min.

How tested: Dis. lift

Length of test: 6 hours

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	
0	10	Top soil sand, gravel, clay
10	25	Clay, gravel, some boulders
25	45	Clay, some sand, light gravel
45	52-6	Coarse sand, small gravel, no clay to speak of. Pumped clear in a short time. Good water strata

I received and filed this instrument for
 Term on the 28 day of Nov. 1921
 at 5:00 o'clock P. M. personal files
 of Missive Court, State of Kentucky
 Witness my hand:
 MARTIN S. PENNER, County Recorder
 By: *Edward J. Mack* Deputy
 The \$ 1.00 paid

1912
 187983
 Copy

13

File No. _____

MONTANA WATER RESOURCES BOARD

T. 13th R. 20th

DUPLICATE

RECEIVED

County Missoula County

LOG NOV 22 1971

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level 3,222)

0 - 5 top soil

5 - 15 cobble stone
gravel & sand

15 - 40 sand gravel
& water

40 - 47 red clay &
some gravel

47 - 63 sand gravel &
water

63 - 77 heaving sand &
water

77 - 81 gravel & water

Owner Pat Mangan Address Mullan rd. Missoula

Driller Harold K. Pickens Address 3424 So. Ave. Missoula

Date of Notices of appropriation of groundwater _____

Date well started 7/20/66 Date completed 7/25/66

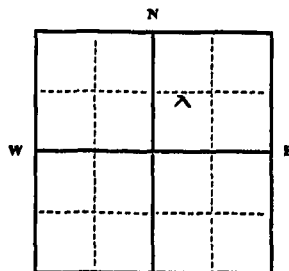
Type of well drilled Equipment used sable tool
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 inch	5 1/2" OD 1454	0 -	81	screen		

#2201
Doc. No. 309697
Filed for record
this 17 day of Nov
A. D. 1971, at 11
o'clock A. M.



Static Water Level for non-flowing well
from top 7 1/2 feet.

Shut-in Pressure for Flowing Well _____
Pumping Water Level from top 12 feet
at 35 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested compressor

Length of Test 4 hrs.

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

Riggs addi 2. lot 1
1/4 Sec. 13 T. 13 R. 20
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

81 ft.

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

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

71
Driller's License Number

Harold K. Pickens
Driller's Signature.

2201

DUBA

309697

I received and filed this instrument for
 record on the 17 day of June, 1971
 at 11:00 o'clock A.M. permanent files
 of Missoula County, State of Montana
 Witness my hand
Veronica A. Greese, County Recorder
 By J. D. Bellinger, Deputy
 Fee \$ 4.00 Paid ent.

MISSOULA COUNTY
 CLERK OF DISTRICT COURT
 MISSOULA, MONTANA

RECEIVED
JUL 19 1973

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 Don Pearson
Address RR 2 Mullian Rd.
Missoula, Montana 59801
Date well started May 10, 1973
completed May 11, 1973

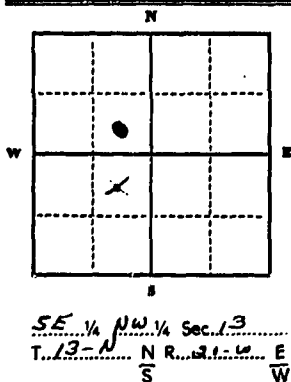
For Administrator's Use	
File	<u>334820-2600</u>
Date	<u>July 12, 1975</u>
GW 1	<u>16.95 A.M.</u>

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" ID	6" ID 17 lb per ft.	1' above g.l.	63'			



Static water level 24 ft.*
Pumping water level 34 ft.*
at 100 gallons per minute,
measured 3 minutes after pumping
began.
*Measured from ground level.
Well developed by compressor
for 3 hours.
Power no supply HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	2	Block Dirt & Gravel
2	14	Clay, gravel & sandstone
14	22	sandstone
22	28	Sand & Gravel
28	28	Sand & Water
28	50	Clay & Gravel
50	63	Sand Gravel & Water

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

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

LICENSE NO. 7

63' Show exact depth of bottom

56084

#0600

934820

I received and filed this instrument for
 record on the 22nd day of July, 1973
 at 10:30 o'clock A.M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Dorothy L. Hazard, County Recorder
 By Miss Hazard, Deputy
 Fee 2.00 Per

MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA
 JUL 23 1973
 10:30 AM
 934820
 MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA
 JUL 23 1973
 10:30 AM
 934820

3W1

13

TRIPPLICATE
RECEIVED

JUL 3 1973

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

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

File No. _____ T 13N R 24W
County Missoula

1. I, School District #4, Missoula Co. of Route #2 Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is School Building and Grounds
Irrigation
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 300
Gallons per minute.

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

5. The probable or intended date of first beneficial use September 13, 1973

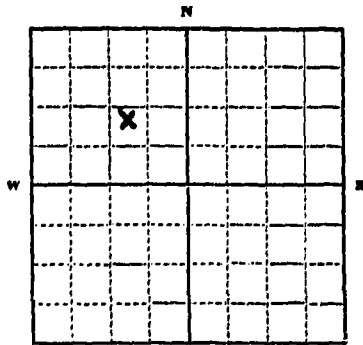
6. The probable or intended date of commencement and completion of the well* or wells*
September 13, 1973

7. The location, type, size and depth of well or wells contemplated Ratwan Hwy 10 & 91
West of Missoula, Montana, Drilled, Eight Inch, Approx. 100 ft.

8. The probable or estimated depth of the water table or artesian aquifer 82 Feet

9. Name, address and license number of the driller engaged Official bids to be let to
licensed, qualified Driller.

10. Give such other similar information as may be useful
in carrying out the policy of this act
Well information will be filed as
soon as available



NE1/4, NW1/4, PT. SE1/4, NW1/4,
PT. SW1/4, NE1/4, North of Hwy 13, Plat 11.

2568; 334394
6-28-73
12:16 p.m.

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

Signature of Appropriator [Signature]
Date June 29, 1973

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

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

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

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

55322

2568 334292

I received and filed this instrument for
record on the 26 day of June 1973
at 9:16 o'clock A. M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By M. M. C. Cunningham Deputy
Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDER

X

C

13

File No. _____

T. BIV R 20W
County Missoula

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

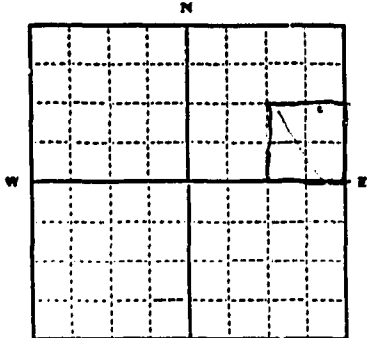
RECEIVED
JAN 3 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Charles or Harriet Sparlock, of Route 2 Skyline Ranch 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:



dot 4 thibault Acc. 191 tracts
S.E. 1/4 NE 1/4 Sec. 13. T. 20N. R. 20W

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

2. The beneficial use on which the claim is based TRAILER COURT AND RENTAL PROPERTY
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. MARCH 15, 1961
constant use
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 SPRINKLING SYSTEMS 19 ACRES
on same property
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal AIR COMPRESSOR

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater MARCH 15, 1961
8. The depth of water table 91'
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" PIPE 91' DEPTH
10. The estimated amount of groundwater withdrawn each year the well operates at full capacity year around
11. The log of formations encountered in the drilling of each well if available 21 SOIL
45' DRY GRANUL SAND 91' WATER GRANUL
55' SAND WATER
80' 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 A well Drillers Report is on file At Missoula County Court House

Harriet Sparlock
Signature of Owner Charles H. Sparlock
Date Dec 31, 1962

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

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

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

20405

1286

Copy

I received and filed this instrument for
record on the 21st day of Dec. 1963
at 842 o'clock M., permanent files
of Missoula County, State of Montana
Witness my hand:
By M. J. [Signature] County Recorder
D. [Signature] Deputy
Fee \$ 2.00 Paid

T. 13 R. 20 13

County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAR 27 1961

WATER WELL LOG

STATE ENGINEER

		0

Owner Charles H. Spurlock Address 1337 W. Broadway

Driller John Kernell Address Andes

Date Started March 12 Date Completed March 15-1961

Location: Sec. 13 T. 13N R. 20W 1/4 sec. S 1/4 NW 1/4

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

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

Casing: 0 ft. to 91' ft. Type 1 1/2" B steel Size 6"

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: _____ 30 feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: March 15-1961
(date)

Pumping water level 60 feet at 50 gal. per min.

How tested: air compressor

Length of test 1 hr

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	
0	5	Soil
5	45	dry gravel sand
45	85	sand water
85	88	clay sand
88	91	Water gravel

copy

179697

65

I received and filed this instrument for record on the 21 day of Mar, 1965
 at 2:55 o'clock P. M. in my office
 of the State of Missouri
 William H. ...
 MARY S. ... County Recorder
 By J. ... Deputy
 Feb 21 1965

RECEIVED
 AUG 22 1957
 STATE ENGINEER

13

T. 12 R. 2
 County ...

MONTANA BUREAU OF MINES AND GEOLOGY
 Butte, Montana

WATER WELL LOG

X		

Owner Ralph E. Spurlach Address Route 2

Driller Herald Perkins Address ...

Date Started July 8th 1957 Date Completed July 8th 1957

Location: Sec. 13 T. 13N R. 20W 1/4 sec. NW 1/4

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

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

Casing: 53 ft. to ... ft. Type ... Size 4 inch

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 7/8 drill hole

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

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

Pumping water level Twenty five feet at ... gal. per min.

How tested: ...

Length of test: ...

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

.....

13

T. _____ R. _____
County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
APR 7 1961

WATER WELL LOG

STATE ENGINEER

Owner: Ralph E. Spurdock Address: _____

Driller: John Farrell Address: Arlee

Date Started: March 22 - 1961 Date Completed: March 30 - 1961

Location: Sec. 13 T. 13 N. R. 22 W. 1/4 sec.

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

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

Casing: 2 ft. to 105 ft. Type: 1 1/2" IR Size: 6"

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 1/2 feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: March 30 - 1961
(date)

Pumping water level: 50 feet at 50 gal. per min.

How tested: Bailin

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	
0	3	Top soil
3	39	gravel clay
39	86	fine sand water
86	89	Brown clay
89	104	heaving sand water
104	105	fine gravel water

I received and filed this instrument for record on the 5 day of 1921 at 11:15 o'clock A. M. in the records of the Mississippi County, State of Louisiana. Witness my hand this 5th day of 1921. MARY S. PETER, County Recorder, Deputy.

61

180233

Copy

File No. _____

T. 13N R. 20W

DUPLICATE

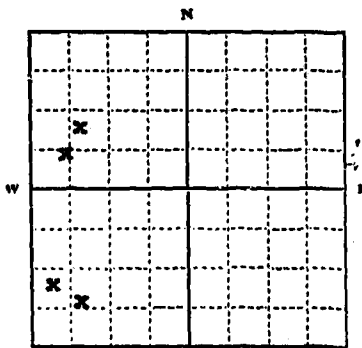
County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECORDED
JAN 3 1964
STATE ENGINEER

1. CHAS. STAHL, of Route 2, Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



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

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well No. 1-1883;
Well No. 2-1940; Well No. 3-1940;
Well No. 4-1940.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 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 Domestic - lawn, garden, houses, watering
livestock

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well No. 1 - 1883; Well No. 2-1940; Well No. 3-1940;
Well No. 4-1940.

8. The depth of water table 10 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well No. 1-20 feet deep, 3 ft. rocked casing;
Well No. 2-60 feet deep, 4 inch casing; Well No. 3-35 feet deep, 4 inch casing; Well No. 4-60 feet deep, 6 inch casing. All electric motors and pumps.

10. The estimated amount of groundwater withdrawn each year 650,000 gallons

11. The log of formations encountered in the drilling of each well if available gravel - hardpan at 10 ft. level for about 8 feet, then gravel again
to full depth of wells.

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 Chas Stahl

Date December 26, 1963

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

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

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

20409

1290

Copy
I hereby certify that this instrument for
received at the office of the County Recorder on Dec 19 63
at 8:40 AM of the permanent files
of Missoula County, State of Montana
Witness my hand:
County Recorder
By *M. J. Palmer* Deputy
Fee \$..... Paid

File No. _____

NOV 28 1966

T. 13 N. R. 20W 13

DUPLICATE

Bill _____ McDermott _____ County Missoula
 Eubank _____ McNulty _____
 LOG Coyle _____ Morton _____ STATE OF MONTANA
 Darlington _____ Sullivan _____ ADMINISTRATOR OF GROUNDWATER CODE
 Dickert _____ 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)
 Chas T. Stahl and Minnie F. Stahl and

Owner W. Edwin Stahl Address Rt 2, Missoula

Driller Glenn Camp 705 Alder Address Missoula, Mont

Date of Notice of appropriation of groundwater Sept. 21, 1966

Date well started 4/11/66 Date completed 4/12/66

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

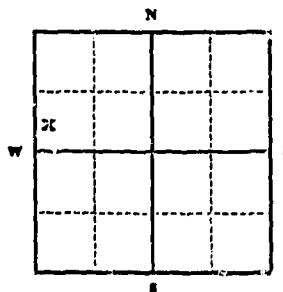
Water use: Domestic Municipal Stock Irrigation
 Industrial Drainage Other

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



0 to 15' Gravel, clay &
 sand
 15' to 19' Clay
 19' to 28' Gravel, clay,
 sand & some water
 28' to 53' Clay
 53' to 60' Gravel, clay
 sand & water
 60' to 68' Sand, gravel
 & water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" I.D. 17# to ft	2' above G.L.	to 69'-10"	None		



Static Water Level for non-flowing well _____ feet.
 Shut-in Pressure for Flowing Well _____
 Pumping Water Level 23 feet
 at 90 gal per minute
 Discharge in gal. per min. of flowing well 30 G.P.M.

How Tested Compressor
 Length of Test 1 1/2 hours

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

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

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

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

License # 7

Driller's License Number

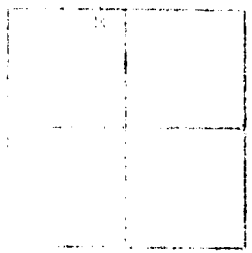
Glenn Camp
 Driller's Signature

41,632

663

253-816

I received and filed this instrument for
 record on the 22 day of Nov, 1966
 at 1:30 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand,
 NERMAE R. CROUSE County Recorder
 By Elmer J. Johnson Deputy
 For \$ 2.00 Paid ed



File No. _____

STATE WATER COMMISSION BOARD

T. 13 R. 20

DUPLICATE

AUG 3 1965

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 3,279)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

- 0 to 2½ top soil
- 2½ to 16 Gravel Cobble & Sand
- 16 to 45 Small Gravel Sand & Water
- 45 to 52 Sand & Water
- 52 to 56 Hard Pan
- 56 to 59 Gravel & Water

Owner Paul R. Susott Address Gullen rd.

Driller Harold K. Pickens Address 3624 So. Ave.

Date of Notice of appropriation of groundwater _____

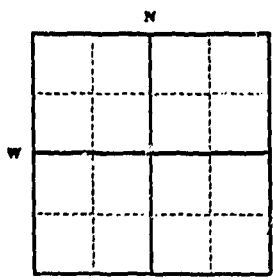
Date well started 7/1/65 Date completed 7/3/65

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 inch	5 inch 14.67	0 to	59 ft.			



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 47 feet
at 40 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Compressor

Length of Test 2½ hrs.

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

Lot Two (2) of Riggs Addition No. 1, Missoula County, Montana. 1/4 Sec. 13 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.
59 ft.

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

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

Driller's License Number

Harold K. Pickens
Driller's Signature

41278