

26

File No.

T. 13N R. 20W

DUPLICATE

County

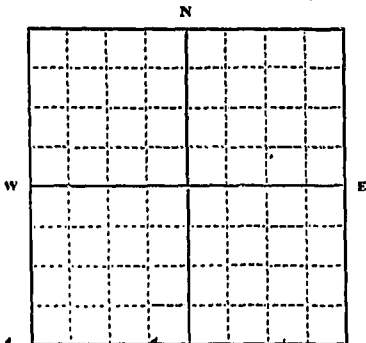
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



Lot n 100' of S 200' of 3
Forestlands no 2 Block 12
1/4 Sec. 26 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. Household
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Since 1960
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 200000 gal per year
- 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. no
- 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. unknown
- 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. 5" casing 60'-80' Deep
- 10. The estimated amount of groundwater withdrawn each year. 200 000 gal Per year
- 11. The log of formations encountered in the drilling of each well if available. unknown
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Robert M. Vaughn
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.

20159

1039

215514

I received and filed this instrument for
record on the 31 day of Dec 1963
at 3:51 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By MARTIN S. BEHNER, Deputy
Fee \$ 2.00 Paid

RECEIVED

FEB 7 1972

County MISSOULA 26

GW 2 Revised 1969 STATE PUBLISHING COMPANY

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CONTROL MONTANA WATER RESOURCES BOARD MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL Developed after January 1, 1962

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

(Under Chapter 237 Montana Session Laws, 1961, as amended) This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Table with columns: From (Feet), To (Feet), and description of strata. Data includes: 0-1 Black Dirt & Gravel, 1-16 Red Clay & Gravel, 16-22 Sand & Gravel, 22-46 Small Gravel, Sand & Water, 46-51 Large Gravel, Sand & Water.

Owner: Widdicombe & Miller. Address: Rt. 1, Target Range, Missoula, Montana 59801. Date well started: Sept. 23, 1971. completed: Sept. 24, 1971.

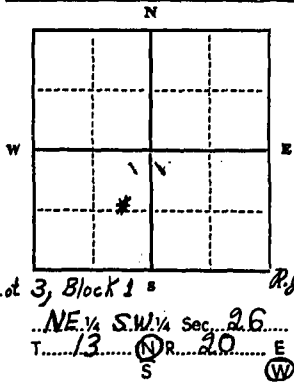
For Administrator's Use. File # 2229, 312355. Date: Feb. 2, 1972 9:30 a.m. GW 1.

Type of well: Drilled. Equipment used: Churn Drill. Water Use: Domestic [checked], 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

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), and PERFORATIONS (Kind Size, From (Feet), To (Feet)). Data: 6" ID, 6" ID 17 lb per ft., 1' above g.l., 51', none.



Static water level 22 ft. Pumping water level 32 ft. at 100 gallons per minute, measured 1 minutes after pumping began. *Measured from ground level. Well developed by compressor for 1 hours. Power Does not Pump apply HP. Remarks: (Gravel packing, cementing, packers, type of shutoff)

Lot 3, Block 1 NE 1/4 S.W. 1/4 Sec. 26 T. 13 N. R. 20 E. S. W.

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

Driller's Signature: [Signature] CAMP WELL DRILLING & PIPE SUPPLY. Driller's Address: 1522 S. 14th W., Missoula, Montana 59801.

LICENSE NO. 7 Show exact depth of bottom 51

49,821

2229

312355

I received and filed this instrument for
record on the 2nd day of Feb 1979
at 9:30 o'clock A.M. permanent files
of Missoula County State of Montana
Witness my hand
Vernon R. Cress, County Recorder
By Theris Guckel, Deputy
Fee \$20.00 Paid

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

Owner Widdicombe & Miller
Address Rt. 1, Target Range, Missoula
Location T. R. Sec.
Doc. No. #2229, 312355

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

Special Instructions:

Please provide, as indicated in red on the enclosed form, the complete location of the well by township, range and section.

Thank you.

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APR 27 1972

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

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FEB 7 1972

County MISOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

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.

Owner Widdicombe & Miller

Address Rt. 1, Target Range

Missoula, Montana 59801

Date well started Sept. 23, 1971

completed Sept. 24, 1971

For Administrator's Use	
File #	<u>2229, 312355</u>
Date	<u>Feb. 2/1972 9:30 a.m.</u>
GW 1	

Type of well Drilled

Equipment used Churn Drill

Water Use: Domestic Municipal Stock Irrigation

Industrial Drainage Other * Garden/Lawn

*Describe _____

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

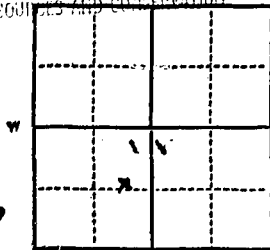
ESTIMATED ANNUAL WITHDRAWAL _____

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6" ID	6" ID 17 lb above per ft. 6.1.	1'	51'			

RECEIVED

APR 27 1972

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION



Lot 3 Block 1
NE 1/4 SW 1/4 Sec. 26
T. 13 N R. 20 E
S W

Static water level 22 ft.*
Pumping water level 32 ft.*
at 100 1 gallons per minute,
measured 1 minutes after pumping
began.
*Measured from ground level.
Well developed by compressor
for 1 hours.
Power Does not Pump 1 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) _____

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

Driller's Signature C. H. Well Drilling & Pipe Supply
Driller's Address 1522 S. 14th St., Missoula, Montana 59801

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	1	Black Dirt & Gravel
1	16	Very Silty & Gravel
16	22	Sand & Gravel
22	46	Small Gravel, Sand & Water
46	51	Large Gravel, Sand & Water

LICENSE NO. 7

51 Show exact depth of bottom

49,821

File No. _____

DUPLICATE

T 13 N R 20 W 26
County Missoula

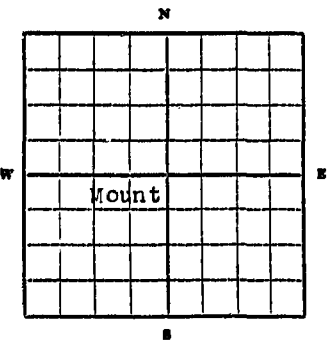
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 10 1963

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

STATE ENGINEER

I, Francis W. Wight, of 4250 Mount Ave. 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. 26 T13N R. 20W
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Household use, irrigating lawn, garden & watering livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Since Sept. 1, 1960, every day.

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 lawn & garden 1 1/2 acres Francis W. Wight owner

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 H.P. electric pump. Well in Northwest corner of basement well pit.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 23, 1959.

8. The depth of water table 3 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. steel casing forced steel drive shoe welded to bottom of casing string.

10. The estimated amount of groundwater withdrawn each year 700,000 gallons.

11. The log of formations encountered in the drilling of each well if available 0-7' bit, 7' to 13' cobblestones & gravel, 13' to 22' sand & gravel, surface water, 22' to 25' clay & gravel, 25' to 34' sand & fine gravel, 34' to 39' clay, 39' to 42' clay with gravel imbedded, 42' to 61' sand, 61' to 75' sand & gravel, 75' to 88' clay, 88' to 93' sand, 93' to 97' gravel & water.

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

Signature of Owner Francis W. Wight
Date Dec. 9 - 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.

376

213963

Cpy
I received and filed this instrument for
record on the 9 day of Dec, 1963
at 11:10 o'clock A. M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By Martin S. Behner, Deputy
Fee \$ 2.00 Paid

File No. _____

STATE WATER CONSERVATION BOARD

T. 13 R. 20

DUPLICATE

FEB 16 1967

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



Top of Ground
(Elev. above sea level _____)

Sand & Gravel

Sand

Heaving Sand Water

Gravel & Water

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: M. D. White Address: 2221 Pleasant Ave

Driller: John Farrell Address: Arlene Mont

Date of Notice of Appropriation of Groundwater _____

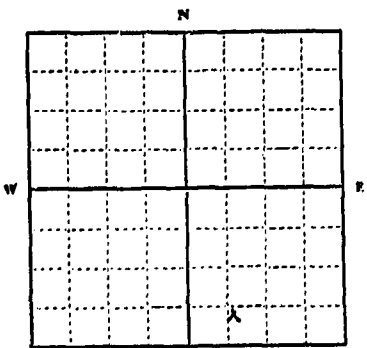
Date well started: June 21, 1966 Date Completed: June 23, 1966

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	(5" 14#)	0	85'			



SE 1/4 SW 1/4 Sec. 20, T. 13 R. 20.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.
No. 42' Lot 4 & So. 62' Lot 5
Block 3, Forestview Addn.

Static Water Level for non-flowing Well: 20' feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level: 50' feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested: Compressor Length of Test: 1 Hour

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

14
Driller's License Number

John Farrell
Driller's Signature

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

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

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

41724

1681

257796

I received and filed this instrument for
record on the 7 day of Feb 1967
at 3:15 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand:
Verance R. Crouse, County Recorder
By M. J. Conroy, Deputy
Fee \$2.00 U.Paid

File No. _____

T. 13N R. 20W 26

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 3220.1)

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Robert H. &/or

Mary Ann Zier Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 8/23/68 Date completed 8/24/68

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

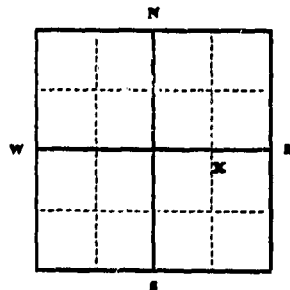
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

Formations Log:

- 0 - 2 Black dirt.
- 2 - 23 Gravel & cobblestones mixed in dirt.
- 23 - 38 Fine sand & gravel.
- 38 - 49 Gravel imbedded in tan clay.
- 49 - 57 Fine gray sand.
- 57 - 66 Fine gray sand & cobblestones.
- 66 - 70 Clean coarse gravel. Water.

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" x 1/2"	+2	70	Torch Cut	67	70



Static Water Level for non-flowing well None feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level None feet at 40 gal. per minute.

Discharge in gal. per min. of flowing well None **Non-flowing**

How Tested Air Lift Pump

Length of Test Four hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through perforations in 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 25 to 50 percent of the tested capacity of the aquifer.

NE 1/4 Sec. 26 T. 13N. R. 20W
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).

West 1/4 Lots 3 & 4, Block A, Schmartz Addition #2

Show exact depth of bottom.

Bottom of hole 70'

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 S. Selman
Driller's Signature.

45,155

1873

250371

I received and filed this instrument for
 record on the 16th day of April 1873
 at 11:00 o'clock A. M., pursuant to the
 of Missoula County, State of Montana

Witness my hand:
 Vernon E. Cross, County Recorder
 By *John J. Cunningham* Deputy
 Fee \$2.00 Paid

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner: Zimmerman
Lloyd E. Zimmerman, Jr
Richardson

Address: 4328 Mount
4544 Edward

Date well started: May 30 72
completed: June 3 72

File: 2418: 328129
Setaway: 7.6. 1972
GW 1: 9:35 P.M.

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

Equipment used: Hammer
(Churn drill, rotary or other)

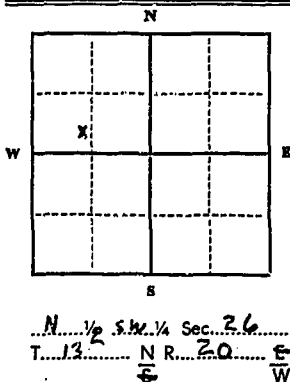
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other * Garden/Lawn

*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: 300,000 gal

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" I.P.	1' above G.L.	56'	1/2" Round	Point	3'



Static water level 22 ft.*
Pumping water level 22 ft.*
at 12 gallons per minute,
measured 10 minutes after pumping began.

*Measured from ground level.
Well developed by air
for 3 hours.
Power A.C. 230 Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature: Ken Richardson Jr.

Driller's Address: 4406 Mount Ave.

LICENSE NO.

RECEIVED

FEB 22 1973

County Missoula 26

DRILLER'S LOG

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

Top of Ground (Elev. above sea level) <u>3140</u>		
From (Feet)	To (Feet)	
0	2	Soil
2	25	Gravel
25	29	Clay
29	39	Sand and Water
39	49	Clay
49	56	Gravel and Water

56 Show exact depth of bottom

52,472

2418

328129

I received and filed this Instrument for
 record on the 30 day of Feb, 1977
 at 7:35 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 - Dorothy L. Head; County Rec'dor -
 By Heidi Stone Deputy
 Fee \$ 5.00 Paid Cash

27

File No.

T 13N R 20W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater..... 1924

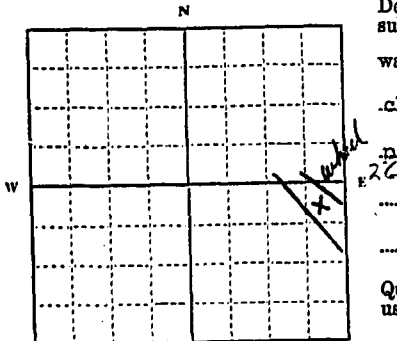
Owner James A. Ford Address Route #1 Missoula Mont.

Contractor (if any) none

Address of Contractor

Date Started JUNE 1924 Date Completed Sept. 1924

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water wheel from a dug side channel of the Bitterroot River. Electric pump installed in June 1924.



..... 1/4 Sec. 27 T 13N R 20W
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 length of periods of use. 100 minors
inches used, measured with a standard vier.
Water used from April thru October yearly.

Signature of Owner..... James A. Ford

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.

589

214893

Copy

I received and filed this instrument for
 record on the *26* day of *Dec*, 19*63*
 at *11:30* o'clock *A.M.*, permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By *Martin S. Behner*
 For \$ *2.00* Paid

27

File No.

T. 13N R. 20W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

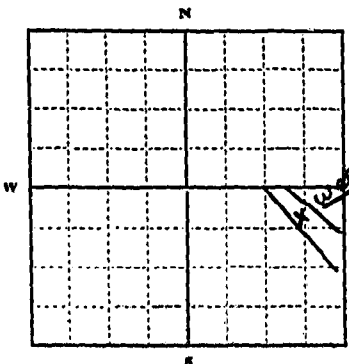
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, JAMES A. FORD, of the County of Missoula, State of Montana, (Name of Appropriator) (Address) (Town)

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



1/4 Sec. 27, 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 Household 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) 100 miners inches

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 10 Acres NE 1/4 of SE 1/4 of Sec. 27 T. 13N. R. 20W portion thereof. James A. Ford owner.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 100 ft. well located in NE 1/4 of SE 1/4 of Sec. 27 T. 13N. R. 20W.

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

8. The depth of water table 15 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well 27 ft. deep

10. The estimated amount of groundwater withdrawn each year est. 400,000 gal. per year

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Old diary kept by Clyde Coley Etc. 1 Missoula, Mont.

Signature of Owner James A. Ford

Date Dec 21 1963

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

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

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

15190

588

214892

Copy

I received and filed this specimen of the
 record on the 26 day of Dec 1963
 at 11:30 o'clock A.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By Martin S. Behner Deputy
 Fee \$ 2.00 Paid

This is a true and correct copy of the original as filed in the office of the County Recorder of Missoula County, Montana.

27

File No.

T. 13N. R. 20W

DUPLICATE

County Missoula

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

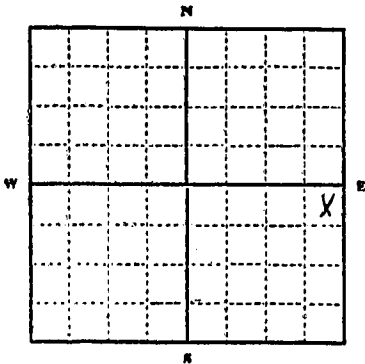
RECEIVED
 JAN 3 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Alfred and Helen Hoem (Name of Appropriator), of Rte 1 (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:



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

- 2. The beneficial use on which the claim is based Household and irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1953 and Continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 750,000 gallons per year. 20 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 3 acres, N.E. 1/4 of S.E. 1/4 of Sec. 27 T. 13N. R. 20W Alfred and Helen Hoem
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump from 2 miles - N.E. 1/4 of S.E. 1/4 Sec. 27 T. 13N. R. 20W

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1st well - not known 2nd well - April 1961
- 8. The depth of water table 15 feet
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 1st well unknown 2nd well - 4" casing, depth 37 feet
- 10. The estimated amount of groundwater withdrawn each year 750,000 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 no other information available

Signature of Owner Alfred Hoem Helen Hoem
 Date Dec. 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.

20408

DISTRICT

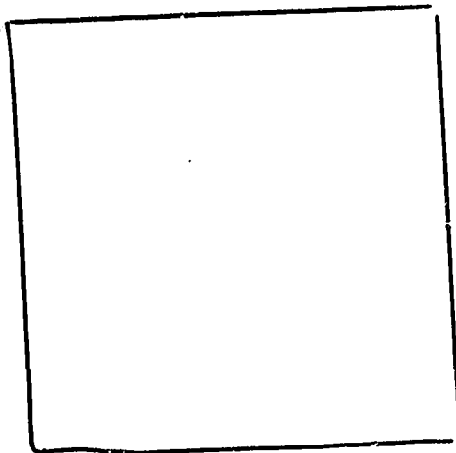
I received and filed this instrument for
 record on the 11th day of April, 1963
 at Shreveport, Louisiana, permanent files
 of Mississippi, State of Louisiana
 Witness my hand:
 By W. J. Smith, County Recorder
 of Mississippi, Deputy
 Falls

Copy

1289

OMIT

LAST



FRAMES

1289

Copy

I received and filed this instrument for
 record on the 21st day of Dec. 1963
 at 1289 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 County Recorder
 By Margaret B. Birtles Deputy
 Fee \$ 2 Paid

RECORDED
DEC 20 1963

File No. _____

T. 13N. R. 20W

DUPLICATE

County Missoula

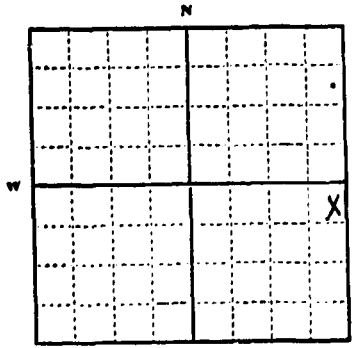
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1924
Owner Alfred Hoem ^{Helena Hoem} Address Rte 1 Target Range
Contractor (if any) Clyde Masley
Address of Contractor Rte 1
Date Started Summer 1924 Date Completed Summer 1924



NE 1/4 Sec. 27, T. 13N. R. 20W
Indicate point of appropriation
and place of use, if possible.

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. water wheel and electric pump on river side Channel. 13 ft.

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
7,000,000 gallon. measured by capacity and length of time run. April through October - yearly.

Signature of Owner Alfred Hoem ^{Helena Hoem}
Date Dec 30 - 63

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.

1120

576 717 *De 12*
City of ...
Recorder
Deputy
Paid

28

File No. _____

T. 13N. R. 20W.

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

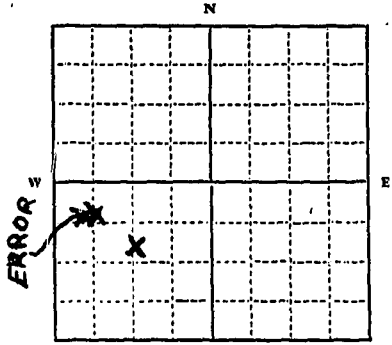
RECEIVED
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hans E. Jensen, of 1221 Kemp 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 Household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. This well was originally dug by James Smith sometime around 1900, for household use and was used continuously as long as a house was located at that place. Well has not been used for quite a few years.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 2 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
Well located a little North of center) Not used for irrigation

Well located a little North of center)
Of SW 1/4 Sec 28 T. 13N. R. 20W

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

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

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

8. The depth of water table. about 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. Hand dug well, about 5ft wide, 25 feet deep, water was taken originally by hand, later by hand pump.

10. The estimated amount of groundwater withdrawn each year. Not Known. Well at present not in use.

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

NOTE: ~~It is my intention to build my house in this same location, and though the well has not been used for several years all reports are that the well was an exceptionally good well it is my desire to clean it out and put it back into use for my household use.~~

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. SW 1/4 Sec. 28 originally homesteaded by Edward A Smith, Patent Filed 12/31/89 or 6/9/1900, records P. 284, Book E of Deeds, Warranty Deed

Signature of Owner Hans E. Jensen
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.

20448

1328

5

I received and filed this instrument the
 record of the 2 day of June 1964
 at 8:08 o'clock P.M. person or filer
 of Mineral County, State of Montana
 Witness my hand
 MARTIN S. BENNER, County Recorder
 By *[Signature]* Deputy
 Fee \$ 2.00 Paid

NOT RECORDED IN THE OFFICE OF COUNTY CLERK
 OF MINERAL COUNTY, MONTANA
 UNTIL THE FEE HAS BEEN PAID
 TO THE COUNTY CLERK'S OFFICE
 BY THE PERSON OR FILER
 OF THE INSTRUMENT
 JUNE 23 1964
 COUNTY CLERK
 MINERAL COUNTY, MONTANA

X
 1328

File No.

T. 13 N R 20 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963

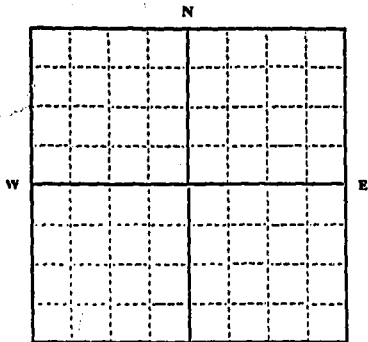
Declaration of Vested Groundwater Rights

STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. David R. & Margaret Matti, of Route #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:



DIMS. OR. HO-
1/4 Sec. #4 W 1/2 28)
E 1/4 29)

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
Residence & Yards

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
December 11, 1958
Constant use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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
Sprinkle irrigation for yards—approximately 1/4 acre

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Commencement - December 2, 1958
Completion - December 4, 1958

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. Type - Drilled
Size - 5" Casing
Depth - 51 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.
0 to 5' - Flt 19' to 30' - Sand, Clay, & Water
5' to 14' - Gravel 30' to 33' - Gravel & Clay
14' to 19' - Gravel and Clay 33' to 42' - Sand, Clay, & Small Gravel
42' to 51' - Sand, Gravel, & Water

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

Signature of Owner David R Matti
Margaret Matti
Date Dec 20, 1963

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

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

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

DISCOUNTS

474

214593

Copy

I received and filed this instrument for
 record on the 20 day of Dec, 1963
 at 11:30 o'clock A.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By Ethel Lane Deputy
 Fee \$2.00 Paid

RECORDED BY INSTRUMENT NO. 214593

MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA
 JAN 1 1964

File No.

T. 13 N. R. 20 W.

DUPLICATE

County... Missoula, Montana.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

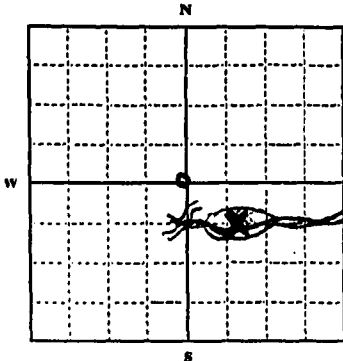
R
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hans E Jensen, of 1221 Kemp 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... Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... Approximately May, 1912, the well was originally drilled for the Harper (O'Brien Creek) School, School Dist. #9. Intermittent use after School was abandoned.

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 3 gal. per minute by hand pump.

* 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... Field approximately 3 acres, known as N. side of School house flat and situated on the N. side of the O'Brien Creek road in Sec. 29, SE 1. Owner, Hans E. Jensen.

NOTE: I misunderstood this question, well has not been used for irrigation, but could be for the described 3 acres.

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

SE 1/4 Sec. 29 T. 13N R. 20W.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... During year of 1912, impossible to determine exact time

8. The depth of water table... 50 ft. (Approximate)

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, 1 1/2 in. suction pipe, 50 ft.

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record... Abstract, Deed from Anaconda Copper Mining Co. to School District #9, Dated June 15, 1911, Filed July 14, 1911, Recorded in Book 57 of Deeds. Page 426

Signature of Owner Hans E. Jensen

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.

1929

6

I received and filed this instrument for
 record on the 2 day of June 1929
 at Billings in the County of Blaine
 of Montana County, State of Montana
 Witness my hand:
MARTIN G. BROWN County Recorder
 By M. G. Brown Deputy
 Fee \$ 2.00 Paid

GW3

29

File No.

T. 13 N., R. 20 W.

DUPLICATE

County Missoula, Montana.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater September, 1946

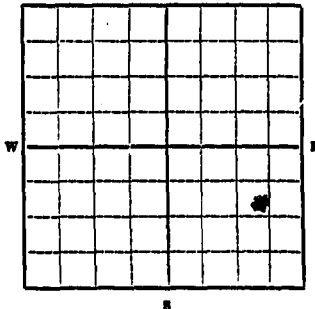
Owner Hans E. Jensen Address 1221 Kemp St. Missoula

Contractor (if any) None, work done by myself.

Address of Contractor

Date Started Sept. 1, 1946 Date Completed Sept. 3, 1946

Sec. 29, TWP 13, R. 20W.
N



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Seepage to surface, spring

dig out and cleaned out a channel to a stock watering hole approximately 20 ft. N. of spring

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 2 gal. per

S. 24 Sec. 29 T. 13 R. 20

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

minute by measure (Gal. measure and pipe)

used for stock water.

Signature of Owner Hans E. Jensen

Date Dec. 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.

1769

912

215385

Copy

I received and filed this instrument for
record on the 31 day of Dec 1963
at 11:16 o'clock A.M., permanent files
of Niswold County, State of Montana
Witness my hand:
MARTIN S. BERNER, County Recorder
By M. S. Berner, Deputy
For Record Filed

2495

332986

I received and filed this instrument for
record on the 7 day of July 1973
at 5:00 o'clock A. M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By Barbara M. Sloan Deputy
Fee \$ 2.00 Paid

File No. _____

T. 13 ~~W~~ R. 20 ~~W~~ 30

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

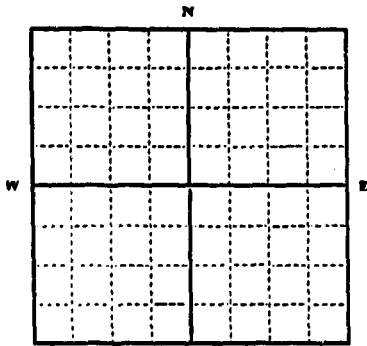
Declaration of Vested Groundwater Rights
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Ray Duffner of 916 Idaho Dr. Missoula
(Name of Appropriator) (Address) (Town)

County of Missoula State of Mont.

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



Lot 2
748 1/4 Sec 10 T. 13 R. 20 W
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Round hold irrigation use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been from July 1 - 1963

daily use since then

4. The amount of groundwater claimed (in miner's inches or gallons per minute) seventeen 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
1/4 acre average use on garden, lawn
Ray Duffner

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump well located by house on lot 2

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 25 - 1963

8. The depth of water table about 13 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater driven well 4" casing 65 ft.

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

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

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

Signature of Owner Ray Duffner

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.

1145

I received and filed this instrument for
record on the 27th day of Dec. 1863
at 5 1/2 o'clock P. M. permanent files
of Missoula County, State of Montana
Witness my hand:
By Mat. L. Wilson County Recorder
Feb 8. 1864 Deputy
Paid

File No. _____

T. 13 N. R. 20 W. 30

DUPLICATE

County Missoula

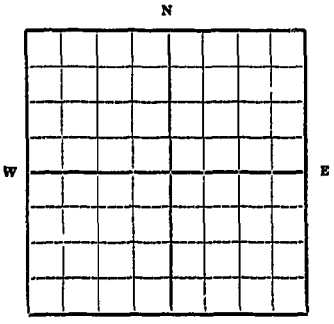
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

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

STATE ENGINEER

1. Robert M. Zristo, of 913 Gladys Dr - 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 30 T. 13 N. R. 20 W.
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres. Blk 1, Webber Addition

- The beneficial use on which the claim is based None and residential irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been November 1961 - Regular from then on
- The amount of groundwater claimed (in miner's inches or gallons per minute) 1.8 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 1/4 Sec 30, Blk 1, Webber Addition Robert M. Zristo
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 1/2 Horse Pump Blk 1, Webber Addition
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater November, 1961
- The depth of water table 25 feet - at fall of year
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4" well casing - 76' deep
- The estimated amount of groundwater withdrawn each year 26.8, one gallon
- The log of formations encountered in the drilling of each well if available This well was driven into ground - no log of formations known
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none available

Signature of Owner Robert M. Zristo
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.

591

214873

Copies

I received and filed this instrument for record on the 21 day of Dec 1963 at 10:52 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEMNER, County Recorder
 By Martin S. Bemner Deputy
 Fee \$ 2.00 Paid

Section 10, Montana Code Annotated (1972) provides that the County Recorder shall maintain a permanent record of all instruments filed for record in the County. This record shall be maintained in accordance with the provisions of this section and shall be available for inspection by any person at any time.

Section 11, Montana Code Annotated (1972) provides that the County Recorder shall maintain a permanent record of all instruments filed for record in the County. This record shall be maintained in accordance with the provisions of this section and shall be available for inspection by any person at any time.

2
10

File No.

T 12^N R 20^W

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

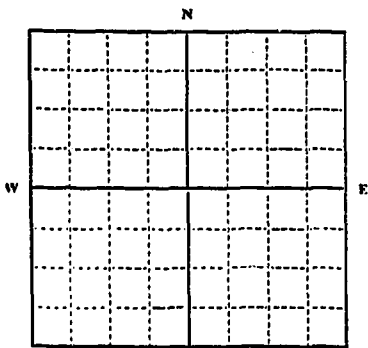
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Verle J. Johnson and
1. Douglas P. Johnson (Name of Appropriator), of 908 Ghdys Drive Missoula (Address) (Town)

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



LOT 4 Block 2 Water Addition
1/4 Sec. T12N R. 20W Block 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 and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. June 1, 1961 Daily use since then

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 1,000 gal per hour

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. 14,000 sq. feet, lawn, garden & trees

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. approx. May 25 1961 started and may 28 1961 completed

8. The depth of water table. 7' to 12' depending on season

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 4" casing, 56' deep

10. The estimated amount of groundwater withdrawn each year. 300,000 gal.

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

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

Signature of Owner Verle J. Johnson
Douglas P. Johnson

Date Dec. 27, 1963

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

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

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

19931

1911 1st DEPT OFFICE 224

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1000 100 100 000.1

716

2-15-125

321/103

I received and filed this instrument for record on the 20 day of Feb 1911 at 11:00 o'clock A.M. permanent files of Missoula County, State of Montana
Witness my hand:
MARTIN S. BENNER, County Registrar
By: [Signature] Deputy
Fee \$ 2.00 Paid

1000 100 100 000.1

File No. _____

T. 13 R. 20

DUPLICATE

County Missoula

LOG _____ STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD



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

6' Pit

38' Sand Gravel

78' Heaving Sand & Water

79' Gravel & Water

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 Mr. Walter Hanck Address _____

Driller John Farrell Address Area Mont

Date of Notice of appropriation of groundwater _____

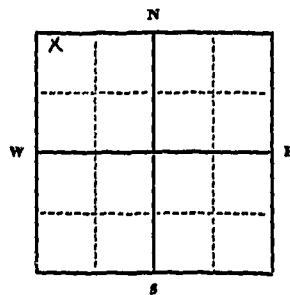
Date well started June 20 1968 Date completed June 26 1968

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 1/2"	5 1/2"	6'	79'			



Static Water Level for non-flowing well _____ 26 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level _____ 60 feet
at _____ 50 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Compressor

Length of Test 30 Min

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

N.W. 1/4 Sec 30 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 in irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

85' From Ground Level

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.

14
Driller's License Number

John Farrell
Driller's Signature

45,312

1876 281660

I received and filed this instrument for
record on the 28th day of May 1967
at 2:00 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand
Veranda R. Crouse, County Recorder
By *M. M. Conroy*, Deputy
Fee \$ 2.00 *Patrol*

ADDENDUM

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

Name of owner: Gordon P. Summers

Corrected land description: 1/4 NE 1/4 NW 1/4 NW
Sec. 30 T13N R19W

Initials: CS

906 Glachys Dr.

Helena Independent Record
File No. _____
DUPLICATE

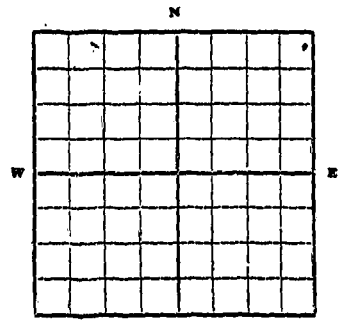
T 13 N R 20 W 3D
County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963

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

Gordon P. Summers (Name of Appropriator) of 906 Gladys Drive (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:



Block 30
1/4 Sec. T13N R20W
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- The beneficial use on which the claim is based Household Irrigation & Recreation
- Date or approximate date of earliest beneficial use; and how continuous the use has been June 17, 1961
There after
- The amount of groundwater claimed (in miner's inches or gallons per minute) 17 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 14,000 Square Feet
Lawn, Flower, Trees & garden
Gordon P. Summers
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Centrifugal Pump
Lot 3 Block 2 Webber Addition
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commencement May 26, 1961 Completed June 17, 1961
- The depth of water table 7 To 13 Feet Depending on Season
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 1/2 Pounded Well 42 Feet Deep
- The estimated amount of groundwater withdrawn each year 300,000 Gallons
- The log of formations encountered in the drilling of each well if available Not Available
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Gordon P. Summers
Date December 19, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

480

214610

I received and filed this instrument for
record on the 20 day of Dec, 1963
at 2:37 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By Edith Lane, Deputy
Fee \$2.50 Paid

MISSOULA COUNTY, MONTANA
RECORDED
NOV 21 1963
MISSOULA COUNTY CLERK

File No. _____

DUPLICATE

Location? - Name

RECEIVED
MAR 2 1964

Approved State Form - State Publishing Co., Helena, Montana - 42214

County _____

STATE ENGINEER
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

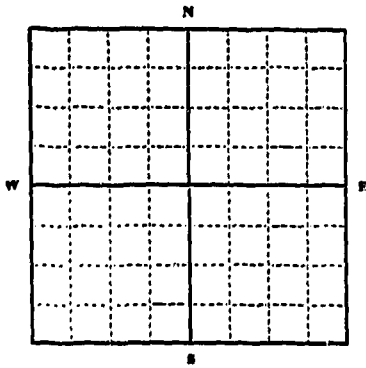
RECEIVED
JAN 2 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. MISSOULA COUNTRY CLUB of U S 93 South 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. 31, 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 Water Needed To Supply All of the Clubs Operations

3. Date or approximate date of earliest beneficial use; and how continuous the use has been #1 Continuous Since 1948
Well #2 " " 1948
Well #3 " " 1942

4. The amount of groundwater claimed (in miner's inches or gallons per minute) #1 150 Gallons Per Minute
Well #2 450 Gallons Per Minute
Well #3 225 Gallons Per Minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Well #2 Approximately 5 1/2 Acres
Well #3 Approximately 5 1/2 Acres

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Wells 1, 2 & 3 By Impellers-Turbines

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Well #1 Commenced and Completed 1948
Well #2 Commenced and Completed 1948
Well #3 Commenced and Completed 1942

8. The depth of water table About 26 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 #1 6" Casing at 90 Feet
Well #2 12" Casing at 100 Feet
Well #3 10" Casing at 80 Feet

10. The estimated amount of groundwater withdrawn each year 300 Million Gallons

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

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

MISSOULA COUNTRY CLUB

Signature of Owner Clayton J. Roggen; Secretary

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.

17658

869

215341

Cape

I received and filed this instrument for
record on the 21st day of Dec. 1966
at 9:43 o'clock A.M., pursuant to law
of Missoula County, State of Montana
Witness my hand
WALTER S. SMITH, County Recorder
By *Walter S. Smith*
Fee \$ *2.00* Paid

File No. _____

T. 13^N R. 20

DUPLICATE

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

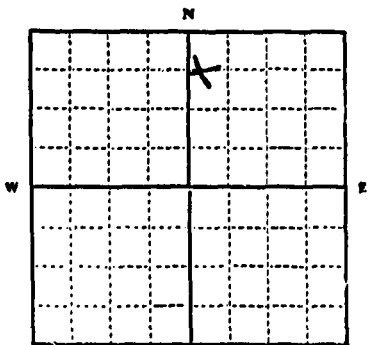
RECEIVED
JAN 3 1968
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. BERNICE I ABOVNADER ^{MAILING} of 2040 SCHILLING MISSOULA
(Name of Appropriator) (Address) (Town)

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



1/4 Sec 35 18 40

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.....
NOV. 1954

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
ABOUT 1954 REDRILLED ABOUT 1960

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.....
UNKNOWN

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.....
PROPERTY ACQUIRED THROUGH KINSHIP FROM EVAARNA O'LOUGHLIN DECEASED 1948

Signature of Owner.....

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 to the Appropriator.

20106

2154 59

985

I received and filed this instrument
 record on the 21st day of Dec 1924
 at 11 o'clock A.M., permanent file
 of Missoula County, State of Montana
 Witness my hand:
 By M. S. Bekner County Recorder
 Fee \$ 1.00 Paid

PERNICE

MISSOURI

MISSOURI

MISSOURI

MISSOURI

MISSOURI

MISSOURI

MISSOURI

MISSOURI

MISSOURI

MISSOURI

MISSOURI

MISSOURI

35

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

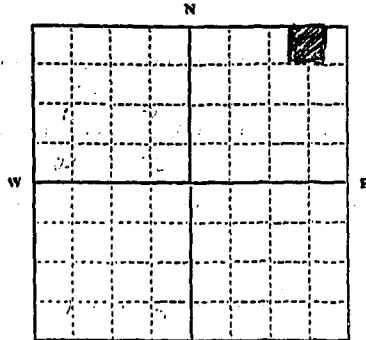
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Raymond A. & Marjorie H. Coster, of 4521 South Ave West, 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:



Orchard Homes No. 6, Lots 102&103

NW 1/4 NW 1/4 Sec. 35, 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, house, livestock, lawn, shrubbery and field crops, incl. garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been groundwater from well has been drawn since 1887 A.D., without break

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Used for irrigation on 10 acres, comprising Orchard Homes Co No. 6, Lots 102 & 103, NW 1/4 Sec. 35, T. 13N, R. 20W, P.M., Owner as above

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Presently by electrically operated pump. Formerly by hand, suction pump & rope & bucket

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Original well was hand dug in 1887 to depth of 26 ft. On December 15, 1941, the well was redrilled to a depth of 106 ft.

8. The depth of water table Twenty-one (21) feet from surface

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 The present well is machine-drilled to a depth of 106 ft., and is cased with 6-inch steel casing. The original well, completed in 1887, was 26 ft deep and 4 x 4 ft square, lined with fir timbers

10. The estimated amount of groundwater withdrawn each year In amt approx 10 million gallons

11. The log of formations encountered in the drilling of each well if available First 30 ft gravel, followed by 40 ft of water-laden sand, followed by 30 ft of dry, hard sand; followed by 6 ft of hardpan clay, underlain by coarse gravel containing the lower water table which rises to within 21 ft of the surface in present well

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Missoula County Book 1, Page 150, Line 8

Signature of Owner Raymond A. Coster

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.

20404

1285

Copy

I received and filed this instrument for
 receipt on the 31st day of April 1963
 at 8:30 o'clock AM, permanent
 of Missoula County, State of Montana
 Witness my hand:
 By Martin J. Schell County Recorder
 Fee \$ 7.00 Paid

1261

MISSOURI COUNTY

RECORDED TO STATE
 RECORDS DEPARTMENT TO MISSOURI COUNTY
 RECORDS DEPARTMENT TO STATE

MISSOURI COUNTY RECORDS DEPARTMENT

ADDENDUM

Form: Declaration of Vested Groundwater Rights

Notice of Completion of Groundwater
Appropriation by Means of Well

Name of
owner:

Donald + Shirley Delaney

Corrected
land description:

1/4 NW 1/4 SE 1/4 SE
Sec. 35 T13N R 20W

Initials:

CS

File No.

DUPLICATE

T. 13N R. 20W 35
D. 13N 19W
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

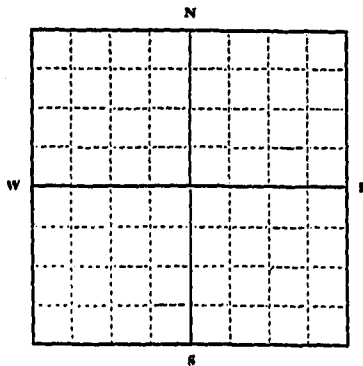
RECEIVED
JAN 3 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. DELANEY, his wife,
DONALD L. DELANEY and SHIRLEY D. / of Box 785, 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 Irrigation and domestic water.
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Prior to 1958 - Use continuous 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 Lot One Hundred Thirty-four (134) of Orchard Home Company's Addition No. 6, in Missoula County, Montana, 5 acres, Owners: Donald L. Delaney and Shirley D. Delaney, his wife.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Two drilled wells, Both on south end of 5 acre plot of ground.

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater One well prior to 1958. One well completed September, 1961.
- 8. The depth of water table Not known.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Old wells: drilled well, 6 inch casing, about 50 feet deep, 3 H.P. pump. New wells: drilled well, 6 inch casing, about 50 feet deep, 3 H.P. pump.
- 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.

Donald L. Delaney
Signature of Owner Shirley D. Delaney
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.

20298

Missoula, DELANEY, each
DONALD L. DELANEY and SHIRLEY O. /
is
or she

or she
etc

30th December 65.

Missoula, Montana.

July 10 65.

11A

I received and filed this instrument for
record on the 31 day of Dec 1965
at 6:28 o'clock P.M. permanent file
of Missoula County, State of Montana
Witness my hand:
By Ethel Come County Recorder
Dec 31 1965

File No. 1179

DUPLICATE

T. J. R. ...
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

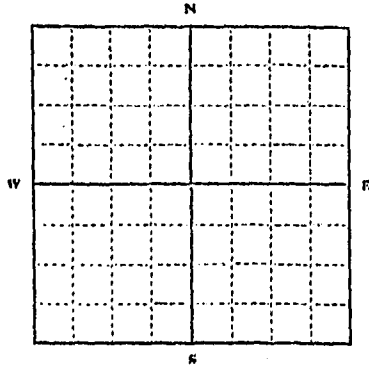
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. DELANEY, his wife,
DONALD L. DELANEY and SHIRLEY D. /, of Box 785, 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 Irrigation
and domestic water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Prion to 1958 - Use continuous
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 Lot One Hundred Thirty-four (134) of Orchard
Home Company's Addition No. 6, in Missoula
County, Montana, 5 acres. Owners: Donald
L. Delaney and Shirley D. Delaney, his wife.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal two drilled
wells. Both on south end of 5 acre plot of
ground.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater One well prior to 1958. One well completed September,
1961.

8. The depth of water table Not known.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Old wells: drilled well, 6 inch casing,
about 50 feet deep, 3 H.P. pump. New wells: drilled well, 6 inch cas-
ing, about 50 feet deep, 3 H.P. pump.

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.

Signature of Owner [Signature]
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.

2037

35

File No.

T 13 R 20

DUPLICATE

County Missoula

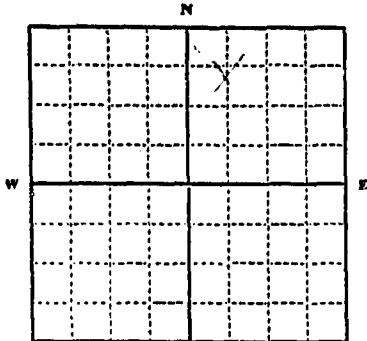
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

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

1. Richard V. Gies of Glen Drive 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 of NE 1/4 of Section 35
T-13 R-20
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
Residential and irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1962 continuously.
Drilled approximately August 1, 1961

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 3,000 per hour

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
Acreage under irrigation - 10 acres pasture land.
Owned by Appropriator.

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. 1962

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.
Drilled well - 5" casing - 120 feet deep.

10. The estimated amount of groundwater withdrawn each year. 37,500,000 gal. per year.

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

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

Signature of Owner.....

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.

19955

756
~~1963~~

215163

Copy
I received and filed this instrument for
record on the 7th day of Oct 1963
at 10 o'clock P.M., permanent files
of Blaine County, State of Montana
Witness my hand.
MARTIN S. BEMNER, County Register
By Martin S. Bemner
Fee \$ 2.00 Paid

35

File No. STATE WATER CONSERVATION BOARD

T. 13 R. 2a

DUPLICATE

AUG 30 1966

County Missoula

LOG Bills _____ McDermott _____ STATE OF MONTANA
Buttern _____ McNulty _____ ADMINISTRATOR OF GROUNDWATER CODE
Coyne _____ Morton _____ OFFICE OF STATE ENGINEER
Darlington _____ Sullivan _____
Dinkart _____

Top of Ground
(Elev. above sea level _____)

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

(Under Chapter 237, Montana Session Laws, 1961)

- 0-4 Pit
- 4-5 Clay
- 5-17 Clay and Gravel
- 17-38 Water, clay and gravel and sand
- 38-43 Clay and gravel
- 43-52 Water, sand and clay
- 52-62 Sand and water
- 62-65 Clay
- 65-102 Sand, clay and water
- 102-105 1/2 Gravel and water & some sand

Owner George Gogas Address 4512 South Ave. N. Missoula, Montana

Driller Glenn Camp, 1523 S. 14th Address Missoula, Montana

Date of Notice of appropriation of groundwater _____

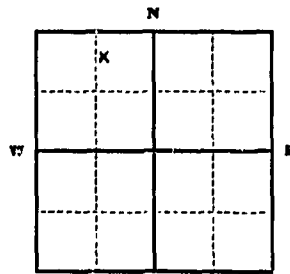
Date well started June 22, 1966 Date completed June 25, 1966

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. 17 lb.	0	105			



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well _____ feet

Pumping Water Level 44 feet
20 ft. flow down with header

Discharge in gal. per min. of flowing well _____

How Tested Compressor

Length of Test 1 1/2 hrs.

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).

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 # _____
Driller's License Number

Glenn Camp
Driller's Signature Glenn Camp

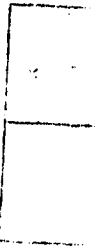
41,349

Show exact depth of bottom.

1642

253387

I received and filed this instrument for
 record on the 21st day of Aug. 1946.
 at 3:35 o'clock P.M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Veronca E. Crouse, County Recorder
 By James M. Conroy Deputy
 Fee \$2.00



MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner W. S. Hackman
Address Sun Down Road
Date well started May 8 1972
completed May 12 1972

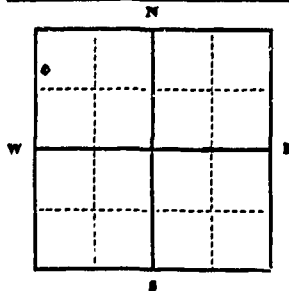
For Administrator's Use		
File	<u>2483, 376, 405</u>	
Date	<u>February 26, 1973</u>	
Time	<u>12:00 p.m.</u>	

Type of well (Dug, driven, bored or drilled)
Equipment used (Cable 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"	6" 17 #	0	9 1/4			



Static water level 6' 8" ft.*
Pumping water level 40 ft.*
at 60 gallons per minute,
measured 1 minutes after pumping began.
*Measured from ground level.
Well developed by compressor
for 1 hours.
Power 1 Pump 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NW 1/4 NW 1/4 Sec. 35
T. 13 N. R. 20 W.

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

Driller's Signature John Farrell
Driller's Address Arlee Mont

LICENSE NO. 14

9 1/4 Show exact depth of bottom

→ W 1/2 Tract 104 Ordinal 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36.

57,521

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	6"	black soil
6"	20"	brown sand
20"	20"	sand & gravel
20"	86"	heaving sand & water
86"	94"	sand gravel & water