1400

219837

Copy

I received and filed this instrument for record on the 10 day of April 1967 at 2:00 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNER, County Recorder
By Vera Beere Deputy
Fee $ 3.00 Paid

3 GW 2 Revised 1969
13—3M—10/69

RECEIVED
JAN - 7 1974
MONT. DEPT. of NATURAL RESOURCES CONSERVATION

County Missoula 30

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 Robert M. Fristo

Address 931 Gladis Dr.
Missoula, Montana.

Date well started 8/7/69
completed 8/11/69

For Administrator's Use
File
GW 1

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

Equipment used cable tool (Churn drill, rotary or other)

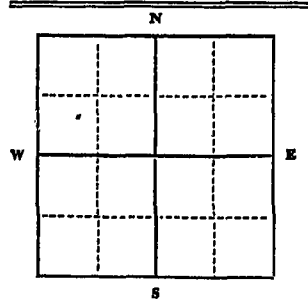
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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). Lot #11 - Blk #1 - Webber Addition of Dinsmore Orchard Homes Addition # 4 -

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 in.	5½ O.D. 14.62 lbs per ft.	0	59	none		



SW¼ NW¼ Sec. 30
T. 13 N/S R. 19 E/W

Static water level 4½ ft. from top
Pumping water level 5 ft. or top*
at 65 gallons per minute,
measured 30 minutes after pumping began.
*Measured from ground level.
Well developed by compressor
for 3½ hours.
Power..... Pump..... 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 Harold K. Pickens

Driller's Address 3626 So. Ave.
Missoula, Montana. LICENSE NO. 71

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	1½	top soil
1½	6	gravel & sand
6	35	gravel sand & water
35	40	red clay no water
40	55	sand & water
55	59	gravel & water

59 Show exact depth of bottom

2634 342085

I received and filed this instrument for record on the 3rd day of Jan 1973 at 10:00 o'clock A.M. and recorded in Files of Missoula County, State of Montana.
Witness my hand and seal
Dorothy L. Head, County Recorder
By M. McCaughey Deputy
Fee $2.00 Paid

Approved Stock Form—State Publishing Co., Helena, Montana—42234 30

File No. ..... T. 13 N R. 19 W

DUPLICATE County .....

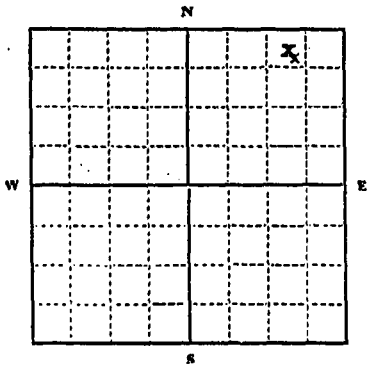
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John Or EMMa Gasvoda (Name of Appropriator), of 2610 Spurgin Rd. (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:



NE¼ NE¼ Sec. 30 T. 13N R. 19W.

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

2. The beneficial use on which the claim is based: Household, Irrigation, Livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1930 Has been used continuous

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: Irrigation 5 acres for pasture, garden Lawn, Trees, Etc. Owner, John or Emma Gasvoda

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: Completed in the 1930's

8. The depth of water table: 30 Ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Open well with cement casing 36inches in diameter 45ft. deep

10. The estimated amount of groundwater withdrawn each year: 250,000 Gallons 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: This well is located at NE¼ NE¼ Sec 30 T13N R13W MPM Dinsmore Orchard Homes #4 Lot 51

Signature of Owner: John Gasvoda

Date: 12-31-63

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

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

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

20284

1165

I received and filed this instrument for record on the 21 day of Dec 19 63 at 6:23 o'clock P. M., permanent files of Missoula County, State of Montana

Witness my hand:

By Marta J. Gilson County Recorder Deputy

Fee $ 2.00 Paid

GW 1

Approved Stock Form—State Publishing Co., Helena, Montana—41336

30

File No.....

T. 13N R. 19W

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964
ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, Joseph W. Gasvoda (Name of Appropriator), of 2532 Spurgin Rd (Address) Missoula (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 Household and Irrigation Lawns, Gardens and Trees (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 20 Gallons Per Minute

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

5. The probable or intended date of first beneficial use 8-12-63

6. The probable or intended date of commencement and completion of the well* or wells* 8-12-63

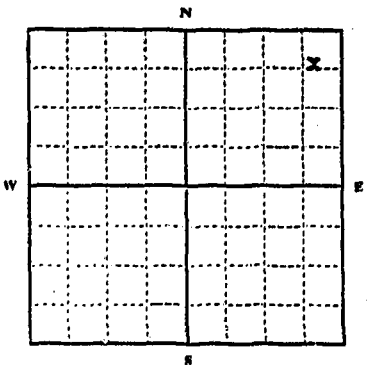
7. The location, type, size and depth of well or wells contemplated Blk 1 Lot 2 Gasvoda Add'n Drilled, 5" casing 70ft. Deep

8. The probable or estimated depth of the water table or artesian aquifier 30 ft.

9. Name, address and license number of the driller engaged Harold Ickens, Target Range, Missoula, Montana

10. Give such other similar information as may be useful in carrying out the policy of this act

This well is located at NE ¼ NE¼ Sec. 30 T13N R19W MPM Block 1 Lot 2 Gasvoda Addittion



NE¼ NE ¼ Sec 30 T. 13N R. 19W
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Joseph W. Gasvoda

Date 12-31-63

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

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

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

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

20296

1177

I received and filed the instrument for record on the 31 day of Dec 1963 at 4:16 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand

County Recorder

By Ethel Lane Deputy

Fee $2.00 Paid

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. _____ T. 13N R. 19W

DUPLICATE County _____

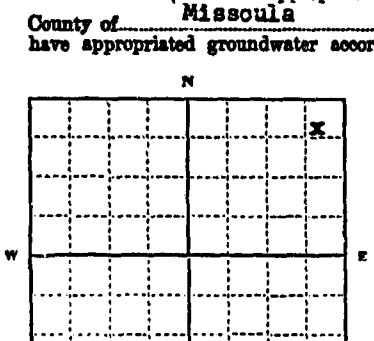
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Joseph W. Gasvoda (Name of Appropriator), of 1204 26th St. (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:



NE¼ NE ¼ Sec. 30 T. 13N R. 19W

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

2. The beneficial use on which the claim is based: Household, Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1930 Has been used Continuous

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: Irrigates ½ acre for garden, lawn, Trees Etc. Joseph W. Gasvoda, Owner

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: It was Hand dug in about 1930 and re-worked in 1963.

8. The depth of water table: 30 Ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 4 inch casing, drilled, 60Ft. With ½ H.P. Electric Pump.

10. The estimated amount of groundwater withdrawn each year: 250,000 per Year (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:
This Well is located at NE¼ NE¼ Sec 30 T13N R19W. Block 1 Lot 1 Gasvoda Addittion

Signature of Owner: Joseph W. Gasvoda

Date: 12-31-63

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

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

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

20283

1164

I received and filed this instrument for record on the 31 day of Dec. 1963 at 4:00 o'clock P. M., permanent files of Missoula County, State of Montana

Marta J. Bulen County Recorder

By Marta J. Bulen Deputy

Fee $ 2.00 Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—3905

30

File No.....

T 13N R 19W

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

0 to 6'-4" Pit
6'-4" to 30' Clay, gravel and boulders
30' to 37' Clay & gravel
37' to 69'-5" Sand, gravel and water

Owner Tom Gibbs Address 3422 S. 3rd W

Driller Glenn Camp 705 Alder Address Missoula, Montana

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

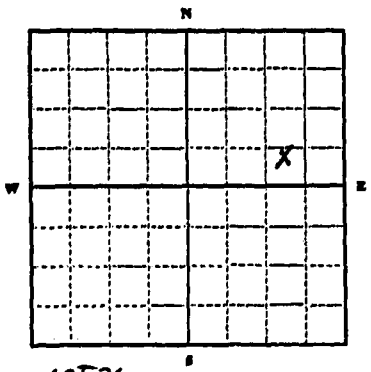
Date well started 9/20/62 Date Completed 9/25/62

Type of well Churn-drilled (dug, driven, bored or drilled) Equipment Used Churn drill (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"I.D. 14 lbs seamless	5'-5" from G.L. 64'			None	



LOT 26 SE¼NE Sec. 5 T13N R19W

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 30' from G.L. feet.

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

Pumping Water Level 35 feet at 100 gal. per minute.

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

How Tested Compressor Length of Test 2 hours

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

None

Drillers License # 7
Driller's License Number

Glenn Camp
Driller's Signature

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

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

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

17687

897

215370

Copy

I received and filed this instrument for record on the 31 day of Dec 1963 at 10:36 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand

MARTIN S. BOHNEN County Recorder

By [illegible] Deputy

Fee $ 3.00 Paid

(—Helena Independent Record

File No.....

DUPLICATE

T. 13 N R. 19 W

County Missoula

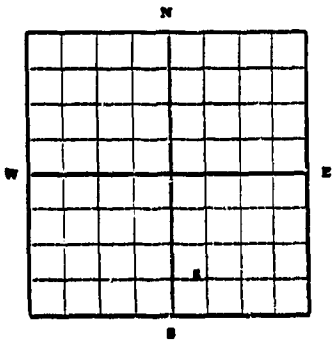
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 15 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Joe E. Golden (Name of Appropriator), of 2824 W. Central (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:



NW¼ SW¼ SE Sec. 30 T. 13 N R. 19 W

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1951 — continued daily use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gal/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 Approximately 1 acre of garden area — parts of flower — flower beds owned by me — Joe E. Golden

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ½ H.P. electric pump from well at east end of house.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1951

8. The depth of water table Approx 21 ft summer — 31 ft winter

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 — 4 inch casing — 80 ft. deep.

10. The estimated amount of groundwater withdrawn each year 60,000 gals.

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Book 6 pages 478-479

Signature of Owner Joe E. Golden

Date Oct 11, 1963

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

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

6400.

#284

I received and filed this instrument for record on the 11 day of Oct 1963 at 1:00 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNER, County Recorder
By Darlene Vale Chase Deputy
Fee $ 2.00 Paid

GW 2

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

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 7 1968

File No.....

T. 13N R. 19W 30

DUPLICATE

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)

Top of Ground

(Elev. above sea level Approx. 3200')

Formations Log:

0 - 42 Tan clay, san, gravel & cobblestones.
42 - 54 Sand, silt & some gravel. Surface water.
54 - 61 Sand & gravel imbedded in tan clay.
61 - 74 Sand & gravel. Water.

Owner Robert B. & Patricia L. Griffes Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 6/4/64 Date completed 6/5/64

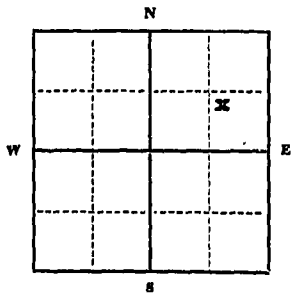
Type of well Drilled (Dug, driven, bored or drilled) Equipment used Cable Tools (Churn drill, rotary or other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒ Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x ¼"	-1	73'8"	N	O N E	

Water rises in the well 36 feet from surface.



SE ¼ NE Sec 30 T 13N R 19W

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

Static Water Level for non-flowing well 36 feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 62 feet at 85 gal. per minute.

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

How Tested Air lift Pump

Length of Test two hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through the open bottom of the six inch casing. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 30 to 40 percent of the tested capacity of the aquifer.

(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).

Lot 14, US Survey #2, approx 1 acre.

Show exact depth of bottom.
Bottom of hole 74'

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

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

52
Driller's License Number

William F. Osborne
Driller's Signature.

44,665

#1827

275191

I received and filed this instrument for record on the 3 day of Oct 19 68 at 1:35 o'clock P. M., permanent files of Missoula County, State of Montana

Witness my hand:

Vernice R. Crouse, County Recorder

By Ruth H. Smith, Deputy

Fee $ 2.00 Paid Cash

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. .....

T 13N R 19W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

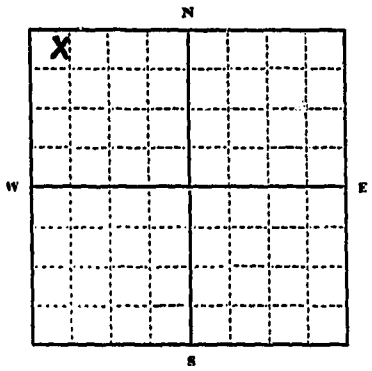
RECEIVED DEC 30 1963 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Gladys Louise Gustafson, of 3205 South 9th, 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:



NW¼ NW Sec. 30 T. 13N R. 19W

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been January 2, 1948 and continuous since that date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 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 4" casing and motor driven pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater December 29, 1947 started December 31, 1947 completion

8. The depth of water table 99 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 with 4" casing for piping 55' from surface of basement floor which is 6' from surface of the earth

10. The estimated amount of groundwater withdrawn each year 90,000 gallons

11. The log of formations encountered in the drilling of each well if available Not available well driller no longer in operation

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 and not available

Signature of Owner Gladys Louise Gustafson

Date Dec 26. 1963

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

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

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

15179

571

214880

I received and filed this instrument for record on the 26 day of Dec 19 69 at 11:06 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 $ 8.00 Paid

MAR 30 1970

ADDENDUM

Form: ☒ Declaration of Vested Groundwater Rights

☐ Notice of Completion of Groundwater Appropriation by Means of Well

Name of owner: Charles Hall

Corrected land description: ¼ NE ¼ NE ¼ NE

Sec. 30 T 13 N R 19 W

Initials: CS

G\ —Helena Independent Record

File No.....

DUPLICATE

T. 13N R. 19W 30

County Missoula

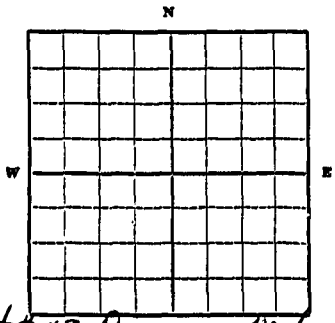
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 20 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Chas P. Nall (Name of Appropriator), of 905 Reserve st. (Address) Missoula (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot #48 Dinsmore Orchard Home addition #4 · Missoula County

.....¼..... 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 Home Lawns, shrubs, garden etc.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1953 - daily

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 60 gal per minute (average) throughout 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 There 3 acres but have not used this water for irrigation up to date only for items specified

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 H.P. Elec. Jensen Well located in the N.W. corner of basement of home 905 Reserve st.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1953

8. The depth of water table 40'

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 depth is approx 75' This is a driven well using a 6" casing, also using 1½" plastic pipe attached to jet pump.

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

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

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

Signature of Owner Chas P. Nall

Date Dec 16 - 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.

10923

410 219537

Copy

I received and filed this instrument for record on the 15 day of Dec 1968 at 1:45 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN B. BEHNER, County Recorder

By [illegible] Deputy

Fee $ 2.00 Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4057A

File No.....

T. 13 N R. 19 W

DUPLICATE

County .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1963 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

Owner Leonard A. Bonnie B. Hamilton Address 2606 So Ave.

Driller..... Address.....

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

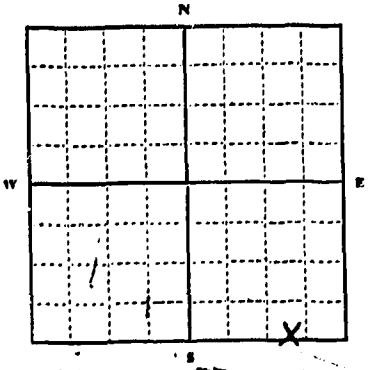
Date well started..... Date Completed April 1, 1956

Type of well..... (dug, driven, bored or drilled) Equipment Used..... (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)
6"	6"	85				



SE Sec. 30 T. 13N R. 19W

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Lot #60

Show exact depth of bottom.

Static Water Level for non-flowing Well.....feet.

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

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

~~Discharge in gal. per min. of flowing well~~ 500,000 gals. per year

How Tested..... Length of Test..... Electric pump

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).....

Owner Leonard A. Hamilton

~~Driller's License Number~~

Bonnie B. Hamilton

~~Driller's Signature~~

Date — 12/31/63

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.

20254

1134

I received and filed this instrument for record on the 21 day of 12 19 at 5:21 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand

Clerk & Recorder

By Martin J. Pauli, Deputy

Fee $ 7.00 Paid

Approved Stock Form—State Publishing Co., Helena, Montana—42234 30

File No. .....

T. 13 N R. 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1964 STATE ENGINEER

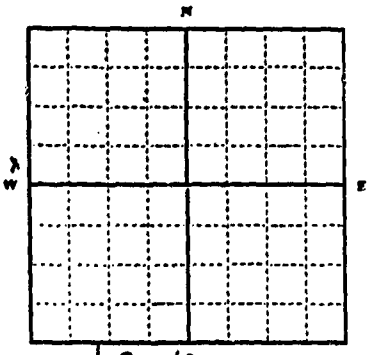
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I Axel Hansen and Ethel Hansen, of 2835 Oak Rt #1 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:



SW Corner of NW ¼ of SE ¼ Sec. 30 T. 13 R. 19

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955 - steadily since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gal 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 Lot 9 Acreage # 2.5-4 SW Corner of NW Corner of SE ¼ - Section 30 Oak Addition

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 1955

8. The depth of water table Approx 40'

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 65'

10. The estimated amount of groundwater withdrawn each year 6,475,000

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 Book 219 - page 533 - Book 202 page 85 - Book 208 - page 56 Missoula County

Signature of Owner Axel Hansen
Ethel Hansen
Date 12-30-1963

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.

20440

1320

Copy

I received and filed this instrument for record on the [illegible] day of [illegible] 19[illegible] at [illegible] o'clock [illegible] M. and recorded in permanent files of Missoula County, State of Montana

Witness my hand:

County Recorder

By [illegible] Deputy

Fee $ 2.00 Paid

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

30

File No.....

T 13N R 19W

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963
STATE ENGINEER

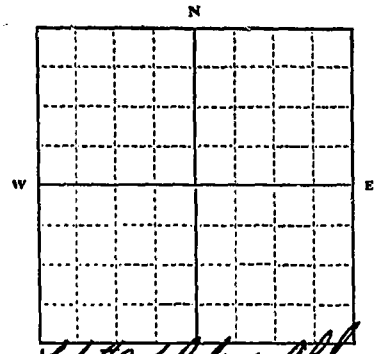
Declaration of Vested Groundwater Rights

(Under Chapter 237, Mon..na Session Laws, 1961)

1. Richard R. Hefflin, of 2346 26th Street, Missoula
(Name of Appropriator) (Address) (Town)

County of Missoula State of Montana

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



Lot #2 of Delores Add.

..... ¼ Sec. 20 T. 13N R. 19W

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

2. The beneficial use on which the claim is based domestic - household & watering lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been February, 1962, used daily

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 96 x 160, Richard R. Hefflin

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal, water pump Well located in lot by garage

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

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 4 inch Cascade, unknown, 1 horsepower motor

10. The estimated amount of groundwater withdrawn each year unknown

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record not known

Signature of Owner Richard R. Hefflin

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.

20225

1105

Dec 31 1963
4:56
Permanent files
Montana
County Recorder
By Deputy
Fee $ 7.00 Paid

GW-7

Approved Stock Form—State Publishing Co., Helena, Montana—42234

30

File No. .....

T. 13 N R. 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

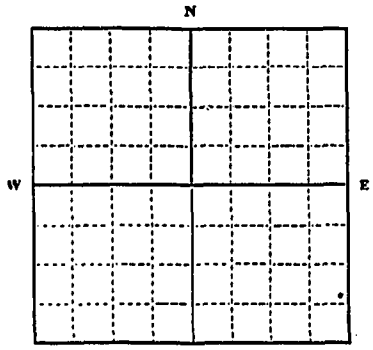
RECEIVED
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Milton L. Hansen, of 2210 26th St Missoula
(Name of Appropriator) (Address) (Town)

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



SE¼ of SE¼ of SE¼ of NE¼
¼ Sec. 30 T. 13 R. 19 W

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

U.S. Survey #2 S½ of N½ Lot 53 Tract 2

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 Jan. 1, 1960 Daily use

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 Household lawn & garden

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by electric pump - located in basement of residence at 2210 26th St.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approximately Jan 1, 1960

8. The depth of water table Water table approx. 40 feet deep

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Depth 74 feet drawing water from approximately 65 feet

10. The estimated amount of groundwater withdrawn each year 500,000 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 Doesn't apply

Signature of Owner Milton L. Hansen

Date 12-31-63

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

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

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

20174

1054

215529

I received and filed this instrument for record on the 3 day of Dec 1963 at 4:09 o'clock P.M. permanent files of Missoula County, State of Montana

Witness my hand

MARTIN S. BRENNER, County Recorder

By Ethel Jones Deputy

Fee $ 9.00 Paid

s GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner William B. Hanson

Address 2501 west Central
Missoula Montana 59801

Date well started Aug 27, 1972

completed Aug 27, 1972

For Administrator's Use	
File	2402; 327116
	Jan. 19, 1973
GW 1	11:30 A.M.

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

Equipment used Driver
(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 inch	1/4" casing	0'	65'	1/4 inch x 18 inche slits	55 feet	65 feet

N
W E

U.S. Survey #2 Lot 51
SE 1/4 NE 1/4 Sec. 30
T. 13 (N) S R. 19 E (W)

Static water level 22' ft.*
Pumping water level 50' ft.*
at 150 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by Blowing
for 4 1/2 hours.
Power Compressor Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
gravel packing

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

Driller's Signature William B. Hanson

Driller's Address 2501 west Central

LICENSE NO.

DRILLER'S LOG 30

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)	
	2	gravel
	9	clay
	19	rocky gravel
	23	sand pan
	28	surface water
	44	hard pan
	60	2nd water level
		came up 43 feet
		from bottom of
		well or 22 ft
		from ground level
	65	stopped driving

65 ft Show exact depth of bottom

52,302

#2442

327116

I received and filed this instrument for record on the 19 day of Jan 1973 at 11:30 o'clock A. M., permanent files of Missoula County, State of Montana

Witness my hand:

Dorothy L. Head, County Recorder

By Mary Shelby, Deputy

Fee $ Noncash Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—41935

File No.

DUPLICATE

T 13N R 19W

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JUL 6 1964 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

0
6' Concrete pit
6'
34' Cobble Rock Sand Gravel
34'
75' Sand Gravel Water

LOT #3
BRIAN
ADDITION

75'

Show exact depth of bottom.

Owner Walter Hauck Address 1866 27 Av

Driller John Farrell Address Arlee

Date of Notice of Appropriation of Groundwater

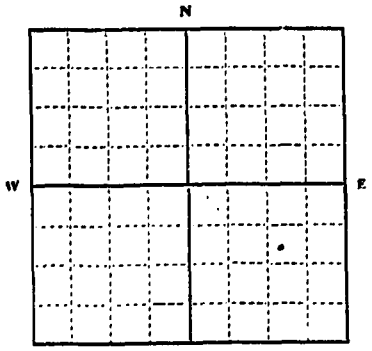
Date well started June 17 1964 Date Completed June 19 1964

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Churn Drill (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"	1[illegible]	6'	69'			



SE ¼ Sec 30 T 13 R 19

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 26' feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 40' feet at 50 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer 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.

38248

1419

223346

I received and filed this Instrument for record on the 3rd day of June 1964 at 9:00 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:

Veronne R. Crouse, County Recorder

By Dorothy L. Neal Deputy

Fee $ 2.00 Paid

GW 2

File No.....

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—41933

RECEIVED MAR 2 1964

T 13N R 19W

County Missoula

STATE ENGINEER
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED FEB 3 1964 STATE ENGINEER

Location? None

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

9'
6' concrete pit
6'
42' large rock sand clay
42'
76' gravel sand water

76'

LOT #4
BRIAN
ADDITTION

Owner Walter Hauck Address.....

Driller John Farrell Address Arlee Montana

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

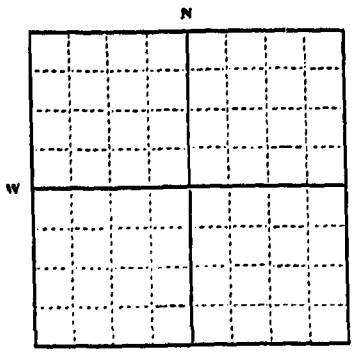
Date well started Dec 28 1963 Date Completed Jan 2 1964

Type of well drilled (dug, driven, bored or drilled) Equipment Used churn drill (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#	6'	76'			



.....¼..... Sec. 32 T 13N R 19W

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 36' feet.

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

Pumping Water Level 60' feet at 30' gal. per minute.

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

How Tested bailer 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.

3479

1382 217006

Copy

I received and filed this instrument for record on the 30 day of Jan. 196_ at 2 o'clock P. M., Permanent files of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By Isabelle C. Parks Deputy
Fee $ 2 Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—38496

30

File No.....

T. 13N R. 19W

County.....

DUPLICATE

RECEIVED
DEC 30 1963
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground (Elev. above sea level)

0' pit
6' gravel sand clay
54' Hearing sand water
69' gravel water
70'

Owner W. A. HAUCK Address 1808 27th S., Missoula

Driller John Farrell Address Arlee

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

Date well started Feb 6-1963 Date Completed Feb 8-1963

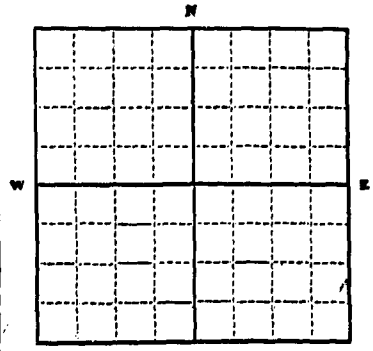
Type of well drilled (dug, driven, bored or drilled) Equipment Used Churn drill (Chum, drill, rotary or other)

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.

Lot H 5
BRIH N
ADDITION

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5"	5" 13 LB	6'	70'			



.....¼..... Sec. 30 T13N R19W

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

70' from Bottom of pit

Show exact depth of bottom.

Static Water Level for non-flowing Well 33 feet.

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

Pumping Water Level 60 feet at 30 gal. per minute.

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

How Tested Bailer Length of Test 2 hrs

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.

15134

532

214833

I received and filed this instrument for record on the 26 day of Dec 1962 at 2:55 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN J. BEHNER, County Recorder
By [illegible] Deputy
Fee $ 5.00 Paid

ADDENDUM

Form: ☒ Declaration of Vested Groundwater Rights

☐ Notice of Completion of Groundwater Appropriation by Means of Well

Name of owner: Lorraine R. Houck

Corrected land description: ___ ¼ NE ¼ NE ¼ SE

Sec. 30 T 13N R 19W

Initials: CS

GW

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.....

T. 13N R. 19W 30

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

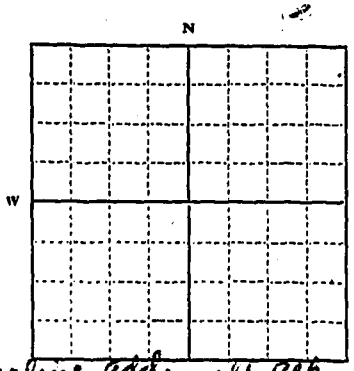
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Lorraine R. Houck, of 2441-Ellistine. (Burlington)
(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:



carline add. all Blk 4 and 5.

.....¼..... Sec. ? T. 13N R. 19W

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

2. The beneficial use on which the claim is based Drinking and watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been March 1st. 1962

4. The amount of groundwater claimed (in miner's inches or 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 two & one half acres

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March 1, - 1962

8. The depth of water table 65 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 One five inch Well 73 feet

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 Don't know.

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

Signature of Owner Lorraine R. Houck

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.

15201

599

214903
Copy

I received and filed this instrument for record on the 26 day of Dec 1962 at 11:50 o'clock A.M., permanent files, of Missoula County, State of Montana
Witness my hand:
MARTIN S. BRINER County Recorder
By Martha L. Bellner Deputy
Fee $ 2.00 Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—40472

File No.....

DUPLICATE

T. 13 N R. 19 W 30

County.....

RECEIVED OCT 28 1964 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

0 to 6' Pit

6' to 32' Clay, gravel & boulders

32' to 54' Gravel, sand & water

54' to 59' Gravel & water

Owner Eldon Hirning Address 26th Street

Driller Glenn Camp 705 Alder Address Missoula, Mont

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

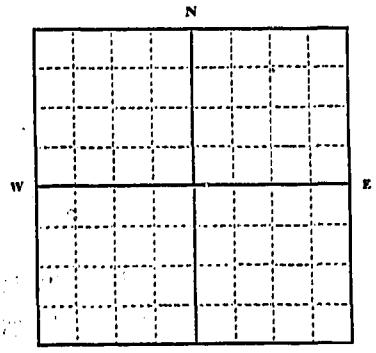
Date well started July 14, 1964 Date Completed July 17, 1964

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Churn drill (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" I.D. 14 lbs to foot	3' above floor of pit	to 55'-8"		None	



.....¼..... Sec. 30 T. 13N R. 19W

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 26 feet.

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

Pumping Water Level 28 feet at 50 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)

None

Licence # 7

Driller's License Number

Glenn Camp

Driller's Signature

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

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

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

38606

#1453 227990

I received and filed this Instrument for record on the 28 day of OCT 1964 at 2:33 o'clock P.M., permanent files of Missoula County, State of Montana.

Witness my hand:

Veramae R. Clouse County Recorder

By Jolland D. Batten Deputy

Fee $ 2.00 Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—39318

File No.....

T. 12 N. R. 19 W.

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1964 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

0 to 6' Pit

6' to 27' Clay, gravel & boulders

27' to 64' Sand, gravel and water

64' to 66' Gravel sand and water.

Owner: J. E. Hirning Address: well located on 2275-26th street

Driller: Glenn Camp 705 Alder Address: Missoula

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

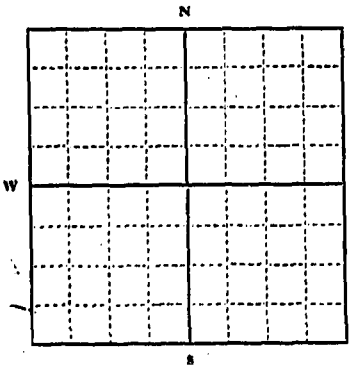
Date well started: 6/4/63 Date Completed: 6/11/63

Type of well: Drilled (dug, driven, bored or drilled) Equipment Used: Churn drill (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" I.D. 14 lbs seamless	2' above bottom of pit to	61'-7"	none		



.....¼..... Sec..... T..... R.....
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well: 24' from G.L. feet.

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

Pumping Water Level: 24 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well.....
Bailer test 20 G.P.M. No D.D.

How Tested: Compressor Length of Test: 1 hour
test 100 G.P.M.

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

None

Licence # 7
Driller's License Number

Glenn Camp
Driller's Signature

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

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

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

20164

1044

215519

I received and filed this instrument for record on the 31 day of Dec 1963 at 3:59 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN S. BEVINER, County Recorder

By Ethel Lame Deputy

Fee $ 2.00 Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—39318

File No.....

T 13N R 19W

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1963 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

0 to 6' Pit

6' to 39' Clay, gravel & boulders

39' to 61' Sand, gravel and water

61' to 62'-2" Gravel sand & water

Owner Eldon Hiraing Address 720 Prince

Driller Glenn Camp 705 Alder Address Missoula, Mont

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

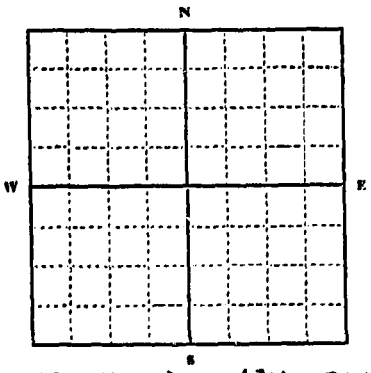
Date well started 10/13/62 Date Completed 10/18/62

Type of well Drilled (dug, driven, bored or drilled) Equipment Used shurs drill (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"I.D.	5"I.D. 14 lbs seamless	5' from G.L.	to 57'-2"		none	



SE ¼ SE Sec 30 T 13N R 19W

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 33' from G.L. feet.

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

Pumping Water Level 33 feet at 30 gal. per minute.

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

How Tested Air Compressor Length of Test 2 hours

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

None

Licence # 7
Driller's License Number

Glenn Camp
Driller's Signature

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

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

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

20166

1046

215521

I received and filed this instrument for record on the 31 day of Dec 1963 at 4:11 o'clock P. M., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN S. BEHNER, County Recorder

By E. Thab D.C.R. Deputy

Fee $ 2.00 Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—40472

File No.....

T. 13N R. 19W

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

0 to 6' pit
6' to 28' Gravel, sand & clay
28' to 55' Gravel, sand clay & water
55' to 62' Gravel, sand & water

Owner: Eldon Kirning Address: S. 26th

Driller: Glenn Camp 705 Alder Address: Missoula, Mont

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

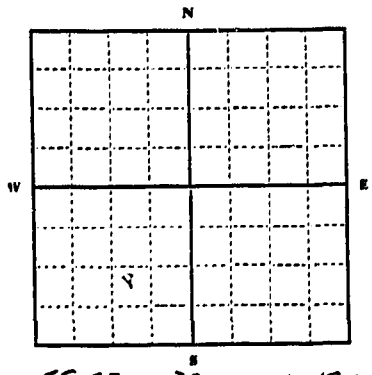
Date well started: 10/3/63 Date Completed: 10/7/63

Type of well: Drilled (dug, driven, bored or drilled) Equipment Used: Churn drill (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)
8"	5"I.D. 14 lbs	30" above pit footings	to 58'-4"		None	



SE1/4E Sec. 30 T13N R19W
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well: 24' from G.L. feet.

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

Pumping Water Level: 20 feet at 50 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)

None

License # 7
Driller's License Number

Glenn Camp
Driller's Signature

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

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

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

20165

1045

215520

I received and filed this instrument for record on the 31 day of Dec. 1963 at 4:00 o'clock P. M., permanent files of Missoula County, State of Montana

Witness my hand

MARTIN S. BLEINER, County Recorder

By Ethel Lane Deputy

Fee $ 2.00 Paid

File No.....

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—40472

T 13N R 19W 30

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1966 STATE ENGINEER

Top of Ground

(Elev. above sea level.....)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Eldon Hirning Address Missoula

Driller Glenn Camp Address Missoula

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

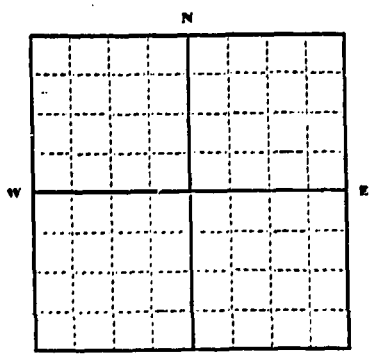
Date well started May 27-61 Date Completed May 29 1961

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Churn Drill (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)
See Attached Copy						



SE 1/4 SE Sec 30 T3N R19W

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 30' feet.

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

Pumping Water Level 30' feet at 21 gal. per minute.

Discharge in gal. per min. of flowing well 60 G.P.M.

How Tested Bail Test Length of Test 2 Hours

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

215
Driller's License Number

Glenn Camp
Driller's Signature

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

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

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

20207

215561

1086

I received and filed this instrument for record on the 31 day of Mar 1965 at 4:41 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNER, County Recorder

By Ardis Lane Deputy

Fee $ 2.00 Paid

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana 42199

30

File No.....

T. 13 N R. 19 W

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.....

Owner Harold H. Hunt Address 910 Donald Ave.

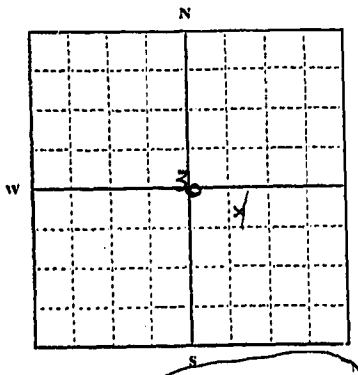
Contractor (if any) None

Address of Contractor None

Date Started Non 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.....

Above not applicable - but with reservation for future underground water rights



SE ¼ Sec. 30 T. 13 R. 19

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.....

5" water rights - Missoula Irrigation Co.
Plat C' 6 - C & D. Div. No. #3 - 5 acres

Signature of Owner Harold H. Hunt

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.

15294

138 215-146

Copy

I received and filed this instrument for record on the 30 day of Dec 1967 at 1:05 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN E. BEHNER County Recorder

By Martha S. Carlson Deputy

Fee $ 3.00 Paid

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

30

File No.....

T. 13 N R. 19 W

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

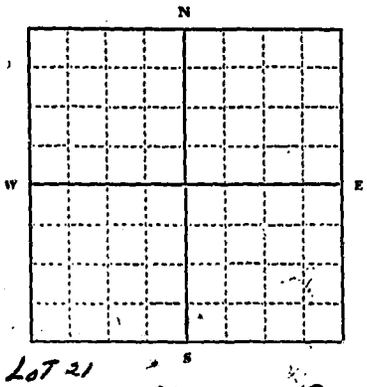
RECEIVED
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Russell W. & Betty Jacobson of Rt. 1, 1515 Burnett, Missoula
(Name of Appropriator) (Address) (Town)

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



Lot 21
.....¼..... Sec. 30 T. 13 R. 19

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

2. The beneficial use on which the claim is based Household, lawn and garden uses

3. Date or approximate date of earliest beneficial use; and how continuous the use has been September 1955, and continuous since

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 Approximately 3 acres lawn and for lawn and vegetable garden, owners same as above.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater September 1955

8. The depth of water table About 30 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5 inch steel casing 85 feet deep

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not known

Signature of Owner Betty Jacobson
Russell W Jacobson

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.

20272

115v

I received and filed this instrument for record on the 7 day of Dec 1962 at 5:49 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand

Marie J. Burns Recorder

By Marie J. Burns Deputy

Fee $ 2.00 Paid

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JAN 8 1973

County Missoula 30

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 Richard H. Johnson

Address 1520 27 Avenue

Date well started Nov 13 1972

completed Nov 15 1972

For Administrator's Use
File 2390 326325
December 28, 1972 2:00 p.m.
GW 1

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

Equipment used X (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

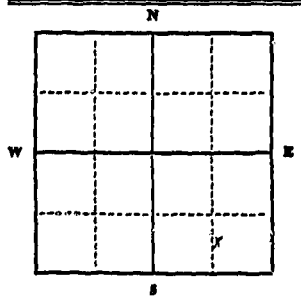
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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"	6" 17#	0	75			



SE ¼ SE ¼ Sec. 30
T. 13 N/S R. 19 E/W

Static water level 32 ft.*
Pumping water level 46 ft.*
at 20 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by Compressor
for 1 hours.
Power Electric 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 John Farrell

Driller's Address Arlee, Mont

LICENSE NO. 14

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	42	Sand Gravel
42	75	Sand Gravel & Water

75 8 Show exact depth of bottom

52·130

2398 326325

I received and filed this instrument for record on the 28 day of Dec 1972 at 2:00 P.M. o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

Veronica R. Crouse, County Recorder

By M. McCormick Deputy

Fee $2.00 Paid

30

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—46805

File No.....

MONTANA WATER RESOURCES BOARD
RECEIVED
JUN 15 1970

T. 13 R. 19

DUPLICATE

M County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Top of Ground

(Elev. above sea level.....)

0

36' Sand & Gravel

36'

72' Fine Sand & Water

72'

75' Clean Gravel & Water

75'

Show exact depth of bottom.

Owner R. H. Johnson Address 27 Th. Missoula

Driller John Farrell Address Arlee Mont

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

Date well started June 2 1970 Date completed June 4 1970

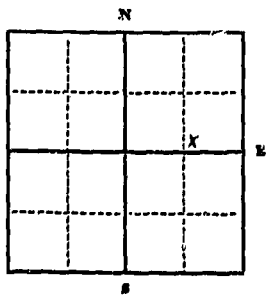
Type of well Drilled (Dug, driven, bored or drilled) Equipment used Churn Drill (Churn drill, rotary or other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

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"	5" 14½ #	0	75			

Doc. No. 272076
Filed for record
this 11 day of June
A. D. 19 70, at 8:00
o'clock A M.



NW¼ Sec 30 T 13 N R 19 W

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

Static Water Level for non-flowing well 26 feet.

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

Pumping Water Level 26 feet at 15 gal. per minute.

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

How Tested Pump

Length of Test 1 Hour

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.

14
Driller's License Number

John Farrell
Driller's Signature.

46577

#2000 292076

I received and filed this instrument for record on the 11 day of June 1970 at 3:00 o'clock P M. permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Crouse, County Recorder

By M. M. Conaughty, Deputy

Fee $2.00 Paid

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

30

File No.

T. 13 N R. 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 13 1964
STATE ENGINEER

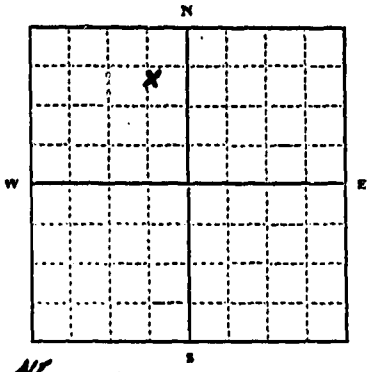
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Frank P. Joyce (Name of Appropriator), of 1110 Victa St (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:



NE ¼ NW ¼ Sec. 30 T. 13 R. 19

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1949

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 not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal NE ¼ NW ¼ Sec 30 T13 R19

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

8. The depth of water table 75 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 Unknown

10. The estimated amount of groundwater withdrawn each year 100000 gals

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

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

Signature of Owner Frank P. Joyce

Date Jan 6 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.

3.4.8

48

215989

copy

I received and filed this instrument for record on the 6 day of June 1969 at 1:30 o'clock P.M., Permanent Files of Missoula County, State of Montana

Witness my hand:
MARTIN E. BEHNER, County Recorder
By Ethel Lane, Deputy
Fee free Paid

GW-

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

T. 15 N R. 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963
STATE ENGINEER

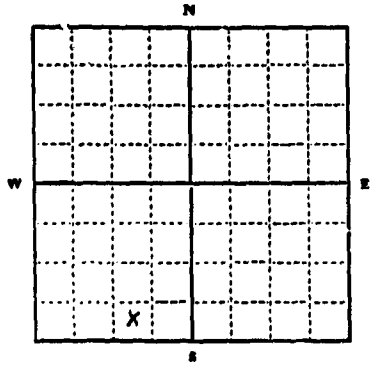
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Neil Knudsen (Name of Appropriator), of 3026 Sawtelle Av. St. Inwinds (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:



SW ¼ SE ¼ Sec. 20 T. 13 R. 19

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

2. The beneficial use on which the claim is based Dry Pasture & Domestic — Livestock in winter

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 30-35 years

4. The amount of groundwater claimed (in miner's inches or 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 Missoula Irrigation

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

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

8. The depth of water table approx. 80 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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner Neil Knudsen

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.

20141

1021

215495

I received and filed this instrument for record on the 31 day of Dec 1963 at 3:25 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

GW

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.....

T. 13 N R. 19 W

TRIPLICATE

County Missoula

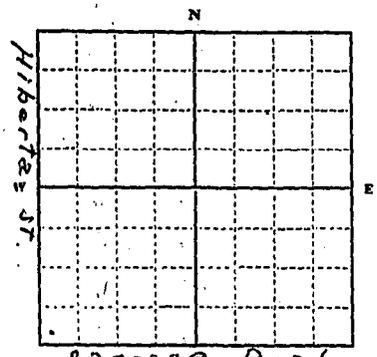
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 19 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Robert Kramer, of 1120 Hiberta 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:



Sperger Road
Pearson Homesites No 3.
¼ Sec. 36 T. R.

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

Glenn Camp Well Drilling No 7

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous from 12/58

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

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 Jacuzzi pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 11/28/58 Completed 12/2/58

8. The depth of water table 25' to 30' from G.L.

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, 3" I.D. casing, it is 71 feet deep

10. The estimated amount of groundwater withdrawn each year For household use

11. The log of formations encountered in the drilling of each well if available
0 to 5' pit, 5' to 24' Gravel, clay & boulders, 24' to 29' Smaller gravel, 29' to 39' water, sand, clay & gravel, 39' to 42' Clay & bigger gravel, 42' to 56' Sand, clay & gravel, 56' to 66' sand & clay, 66' to 71 ' Gravel, sand & 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 None

Signature of Owner Robert Kramer

Date Dec. 18/63

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.

10432

434

214454

copy

I received and filed this instrument for record on the 18 day of Dec 1963 at 1:00 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNER, County Recorder

By Ethel Lane Deputy

Fee $2.00 Paid

4—Helena Independent Record

File No.....

DUPLICATE

T. 13N R. 19W 30

County Miss

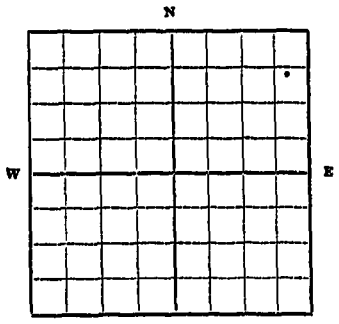
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 26 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. William H Kuney, of 2626 Oak Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 10 Aff Addition
.....¼..... Sec. 30 T. 13 R. 19

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept 5, 1958

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Lot 10 Aff 1/3 Acre

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater September 5, 1958

8. The depth of water table 31 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 Cased steel casing 68 ft long

10. The estimated amount of groundwater withdrawn each year 44,000 gal per yr.

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

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

Signature of Owner William H Kuney

Date Dec 23 1963

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

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

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

12318

498

#21775

I received and filed this instrument for record on the 23 day of Dec 19[illegible] at 3:00 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN S. BEHNKE, County Recorder

By [illegible] Deputy

Fee 3.00 Paid

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

30

County Missoula

RECEIVED
OCT 18 1971

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 ~~Clarence H. Liester~~ Georgia Q. Leister

Address 933 Gladys Drive
Missoula, Montana

Date well started Oct. 6, 1971
completed Oct. 8, 1971

For Administrator's Use
File 308483
October 12, 1971 9:15 Am
GW 1

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

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

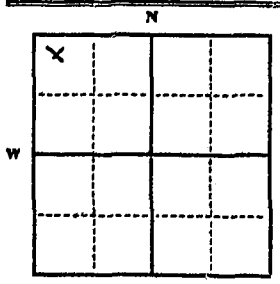
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 2,500,000 gallons

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	50½	----	----	----



NW¼ NW¼ Sec. 30
T. 13 N/S R. 19 E/W

Static water level 11 ft.*
Pumping water level 20 ft.*
at 100+ gallons per minute, measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by Compressor for 2½ hours.
Power ---- Pump ---- 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 Charles F. Hellenthal

Driller's Address C.K.C. Drilling, P.O. Box 670,
Missoula, Montana LICENSE NO. 135

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	3	Topsoil
3	11	Clay, sand, and gravel
11	11	Static water level
11	23	Sand, gravel and water
23	27	Clay and gravel
27	36	Sand and water
36	47	Sand, gravel, clay, and some water
47	50½	Sand, gravel, and water

50½' Show exact depth of bottom

49233

#2189

308483

I received and filed this instrument for record on the 12 day of Oct 1921 at 9:15 o'clock A. M., permanent files of Missoula County State of Montana

Witness my hand.

Veranus R. Cruse, County Recorder

By [illegible] Deputy

Fee $ 2.00 cash Paid

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

30

File No.....

T. 13N R. 19W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

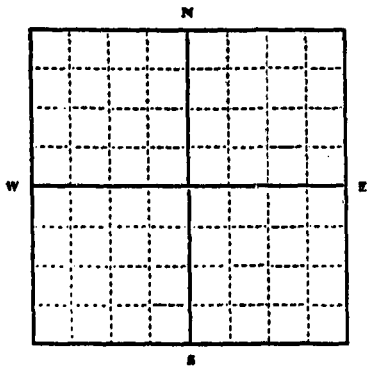
RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ann Lindgren (Lindgren), of 11th and Niberta St Missoula Montana
(Name of Appropriator) (Address) (Town)

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



NE¼ of NW¼ of ¼ Sec. 30 T. 13 R. 19

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

2. The beneficial use on which the claim is based General household and watering of lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1953 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approx 0.15 gpm

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof lawn Approx 1/5 acre Ann Lindgren

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Automatic electric pump well in NE corner of basement under house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commencement 24 June 1953 Completion October 1953

8. The depth of water table 75 feet (Third level)

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Depth 75 feet. Other specifications now known.

10. The estimated amount of groundwater withdrawn each year 73,000 gallons

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

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

No additional information available

Signature of Owner Ann Lindgren
Ann Lindgren
Date 27 December 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.

15230

628 214987

copy

I received and filed this instrument for record on the 27 day of Dec 1963 at 1:12 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BHINER, County Recorder
By Ethel Tam County
Fee $2.00 Paid

GW

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.

T. 13 N R. 19 W

TRIPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 13 1963
STATE ENGINEER

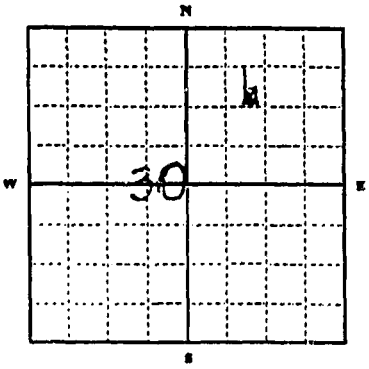
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Jeanne L. Lindh

1. Axel G. Lindh, of 2712 Spurgin Rd. 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 ¼ NE Sec. 30 T. 13 N R. 19 W

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept. 1951 for well and about 1964 for ditch

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 200 gals per hr. for well. [illegible] inches from ditch.

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 S½ W½ Lot 53, Dinsmore Orchard Homes Addition #4, Missoula, Mont.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well is in S½ W½ of said lot 53 Dinsmore OH addition #4. Gravity - from ditch

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well drilled in 1951.

8. The depth of water table Approximately 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 Well is 6" casing set 22 feet in ground. [illegible] water [illegible] feet.

10. The estimated amount of groundwater withdrawn each year 10,000 gallons per year from the well and 10,000,000 gallons per year - from ditch

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 Have water but not the hard facilities for use to which water is put.

Signature of Owner Axel G. Lindh
Jeanne L. Lindh
Date 12-12-63

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.

8994

404

214 226

Copy

I received and filed this instrument for record on the 12 day of Dec 1963 at 2:29 o'clock M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNKE, County Recorder
By Marie S. Behnke Deputy
Fee $ 8.00 Paid

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. .....

T 13 N R 19 W

DUPLICATE

County: Missoula

RECEIVED JAN 3 1963 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

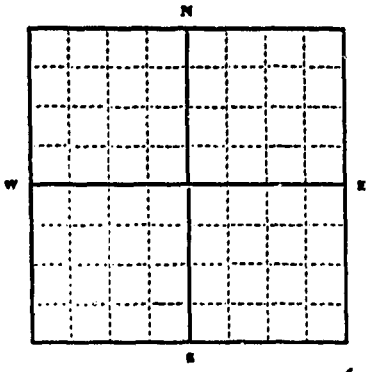
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, John C. Linse (Name of Appropriator), of 2500 S. 3rd St. W. (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:



¼ Sec. 30 T. 13 R. 19 W

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

2. The beneficial use on which the claim is based: House Lawn & Garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Regular since 1954 ~~Irrigated~~ most of the Garden is irrigated by ditch water

4. The amount of groundwater claimed (in miner's inches or gallons per minute): about 50 gallon

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: Less one acre in lot 8 most of garden is irrigated by ditch water John C. Linse

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: by an electric pump in lot 8

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Hand well by a electric Pump 1954

8. The depth of water table: 43 feet deep

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

10. The estimated amount of groundwater withdrawn each year: 25-40

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

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

Signature of Owner: John C. Linse

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.

20280

1161

I received and filed this instrument for record on the 7 day of Jan 1963 at 5:59 o'clock p.m., permanent files of Missoula County, State of Montana

Witness my hand:

County Recorder

By Mary J. Pelan Deputy

Fee $ 7.00 Paid

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

30

File No.

T 13N R 19W

DUPLICATE

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964
STATE ENGINEER

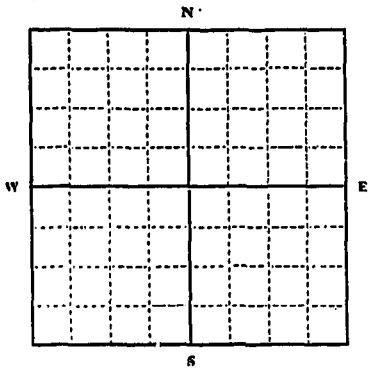
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. JAMES T LONG (Name of Appropriator), of 2824 W. CENTRAL (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:



NW¼SW¼SE Sec. 30 T13N R19W

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 IRRAGATION

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1951 CONTINUAL DAILY USE

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 GAL / 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 APPROXIMATELY 2 ACRES of GARDEN, LAWN, PASTURE AND FLOWER BEDS OWNED BY ME - JAMES T LONG

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1/2 HP ELECTRIC PUMP FROM WELL AT EAST END OF HOUSE

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1951

8. The depth of water table 21 ft SUMMER - 31 ft WINTER

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 - 4 IN CASING - 80 ft deep

10. The estimated amount of groundwater withdrawn each year 60,000 GALS

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record BOOK 6 PAGES 478 - 479

Signature of Owner James T. Long MD

Date 31 Dec 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.

20121

1001 215475

I received and filed this instrument for record on the 26 day of Dec 1967 at 2 o'clock 4 M., permanent files of Missoula County, State of Montana

Witness my hand:
MARVIN S. BRINNER, County Recorder
By Martha L. Miller Deputy
Fee $ NC Paid

30

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
SEP 11 1975
MONT. DEPT. OF NATURAL RESOURCES & CONSERVATION

County Missoula

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 Dan Magana

Address 407 Dearborn
Missoula, Montana

Date well started March 7, 1972
completed March 8, 1972

For Administrator's Use
File
GW 1

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

Equipment used Churn Drill
(Churn drill, rotary or other)

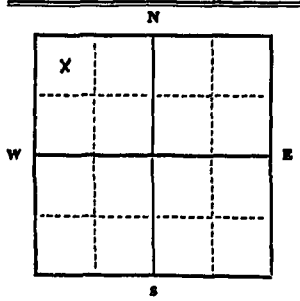
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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"I.D.	6"I.D. 17 lb per ft.	1'6" above g.l.	57'9"	none		



NW ¼ NW ¼ Sec. 30
T. 13 (N) S R. 19 E (W)

Static water level 15 ft.*
Pumping water level 25 ft.*
at 100 gallons per minute,
measured 1/3 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)

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

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

LICENSE NO. 7

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)	Well: Gladys Drive
0	4	Black Topsoil
4	18	Tan Clay & Gravel
18	25	Gravel Sand & Water
25	48	Gravel Sand & Water
48	52	Clay
52	55	Gravel & Water
55	57'9"	Gravel & Water

57'9" Show exact depth of bottom

2671 368928

I received and filed this instrument for record on the 9 day of Sept, 19 75 at 7:00 o'clock A M, permanent files of Missoula County, State of Montana

Witness my hand:

Robert E. Arras, County Recorder

By M. McConaughey Deputy

Fee $2.00 Paid

G —Helena Independent Record

File No.

DUPLICATE

T. 13N R. 19W

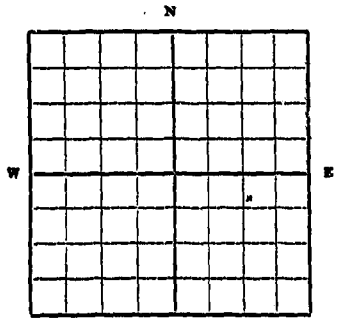
County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Raymond S. & Clarissa N. Manthey, of 1711-27th Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 7 - Block 1 of Cliff addition
NE¼SE¼ Sec. 30 T. 13 NORTH R. 19 WEST
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 for household use & irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1st 1959 continuous

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 15,000 sq. ft. lawn and garden

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 23rd - June 5th 1959

8. The depth of water table Static water level & completion of development 25'-6"

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 - 72 feet Cased to 67 feet with 6" inch casing

10. The estimated amount of groundwater withdrawn each year 100,000 gallons

11. The log of formations encountered in the drilling of each well if available
0-23 ft gravel and boulders 23-26 ft sand
26-38 ft gravel and sand 38-50 ft boulders and clay
50-72 ft sand 72 ft 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

Clarissa N Manthey
Signature of Owner Raymond S Manthey

Date June 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.

4849

#203 207798

I received and filed this instrument for record on the 27 day of June 1963 at 1:30 o'clock P M. permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN S. BEHNER, County Recorder

By Ruth M. Carnes Deputy

Fee $ 6.00 Paid

GW 2

File No.....

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—3908

T. 13 N R. 19 W

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED NOV 21 1962 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

0 to 7' Pit
7' to 24' Clay & gravel
24' to 31' Sand, water & small Gravel
31' to 42' Sand water & gravel
42' to 65' Sand, some gravel clay & water
65' to 72'-8" Sand, gravel and water.

Owner Charles Meade Address 3019 S. 7th W.

Driller Glenn Camp 705 Alder Address Missoula, Mont

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

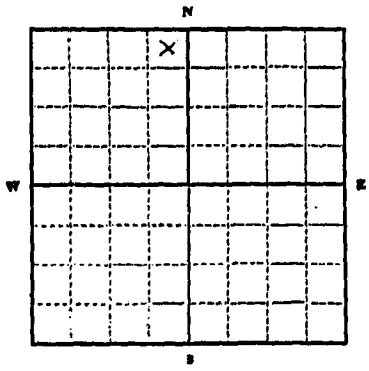
Date well started 7/26/62 Date Completed 7/30/62

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Churn drill (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" I.D. seamless 14 lbs	8'-2" below G.L. to 72'-8"		none		



.....¼..... Sec. 30 T. 13 R. 19

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Brenda Addition Lot I

Show exact depth of bottom.

Static Water Level for non-flowing Well 18' from G.L. feet.

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

Pumping Water Level 22' feet at 60 gal. per minute.

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

How Tested Compressor Length of Test 2 hours

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

None

License # 7

Driller's License Number

Glenn Camp

Driller's Signature

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

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

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

2544

#164 199711

I received and filed this instrument for record on the 18 day of April 1962 at 8:45 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN S. BELLINER, County Recorder

By [illegible] Deputy

Fee 2.00 Paid

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. _____ T. 13 N R. 19 W

DUPLICATE County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED FEB 3 1964 STATE ENGINEER

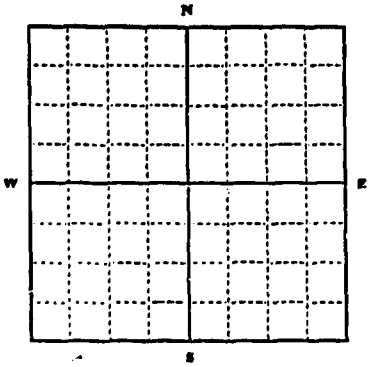
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mercer, Floyd E. & Sylvia M., of 2325 Spurgin Road Missoula
(Name of Appropriator) (Address) (Town)

County of Missoula State of Montana

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



Lot 7 Sec. 30 T. 13 R. 19 Acre 1

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
August 1958 continual use of water home use and irrigation of lawn in summer

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
1 acre land lot 7 Sec 30 Rge 19
Mercer, Floyd E. & Sylvia M.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Jet Pump 8' feet from outside front wall of home

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
August 1958 - 1 week

8. The depth of water table approximate 60 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
Pipe driven well, 4 inch curbing, 60 feet

10. The estimated amount of groundwater withdrawn each year 30 gallons per minute

11. The log of formations encountered in the drilling of each well if available
don't know

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

Signature of Owner Sylvia M. Mercer / Floyd E. Mercer

Date January 22, 1964

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

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

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

34786

1377 216781

I received and filed this instrument for record on the 17 day of January 1964 at 2:00 o'clock A. M. permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN E. BEHNER, County Recorder

By [illegible] Deputy

Fee $ 2.00 Paid

GW 2

File No.

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—43642

T 13N R 19W 30

County Missoula

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)

LOG

Top of Ground

(Elev. above sea level.....)

0-8	Cobblestones, Clay & Gravel
8-25	Gravel & Clay
25-35	Sand
35-43	Gravel & Clay
43-68	Gravel & water

Show exact depth of bottom.

Owner [illegible] Address [illegible] 1522 S. 14th W.

Driller Glenn Camp Address Missoula, Montana

Date of Notice of appropriation of groundwater Nov. 15, 1968

Date well started Oct. 26, 1968 Date completed Oct. 29, 1968

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	Perforations: Kind Size	From (Feet)	To (Feet)
6" I.D.	6" I.D. 17 lb per ft.	2'6" above G.L.	68'		None	

N
W
E
S
X

Static Water Level for non-flowing well 30 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 35 feet at 100 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Air Compressor

Length of Test 1½ hours

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

SW¼ ¼ Sec 30 T13N R19W

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).

NOV 19 1968

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

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

License # 7
Driller's License Number

Glenn Camp
Driller's Signature. Glenn Camp

44,777

1838

276364

I received and filed this Instrument for record on the 5 day of 1968 at 3:30 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

Veranne R. Crouse, County Recorder

By ..., Deputy

Fee $2.00 Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—42325

File No.

T 13N R 19W

DUPLICATE

County Missoula

LOG

MAR 8 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 Approx. 3210 ft.)

Formations Log:

0 - 2 Dirt.
2 - 11 Gravel, cobblestones and boulders.
11 - 20 Sand and gravel mixed in tan clay.
20 - 23 Tan sandy clay.
23 - 28 Sand, gravel and cobblestones.
28 - 36 Gravel, cobblestones and boulders.
36 - 57 Fine gray sand.
57 - 61 Fine sand and gravel.
61 - 70 Fine sand with cobblestones mixed in.
70 - 75 Clean coarse gravel.

Water rises in well 9 feet from surface.

Owner Richard C. Morgenstern Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed.

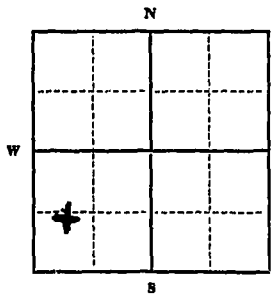
Date well started 4/13/70 Date completed 4/14/70

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

Water use: Domestic [X] Municipal [ ] Stock [ ] Irrigation [X] Industrial [ ] Drainage [ ] Other [ ]

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8" x ¼"	+2	75	Torch cut	70	73



Static Water Level for non-flowing well 9 feet.

Shut-in Pressure for Flowing Well Non-f.

Pumping Water Level 35 feet at 100 gal. per minute.

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

How Tested Air Lift Pump

Length of Test 3 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through perforations in the casing between 70 feet and 73 feet. Wells in this area can be depended upon to produce clear sand free water year after year as (Continue on reverse side)

N½ of NW¼ & N½ of NE¼ ¼ Sec 30 T 13N R 19W

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

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

Lot 1, Block 2, Hinton Addition, Missoula County, Montana

#2094

Doc. No. 300003
Filed for record
this 3 day of March
A. D. 19 71, at 3:30
o'clock P. M.

Show exact depth of bottom.

Bottom of well 75 ft.

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

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

52
Driller's License Number

William A. Osborne
Driller's Signature

48195

long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

GW 2

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

File No.....

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
MAR 14 1969

T. 13N R. 19W 30

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 5,223)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0 - 1½ top soil & small gravel

1½ - 25 course gravel & cobble stone

25 - 35 redish brown clay & gravel

35 - 52 water gravel & sand

52 - 60 sandgravel & water

60 - 66 gravel & water

Owner Daniel Murphy Address 2516 So. 14 th Mela.

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

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

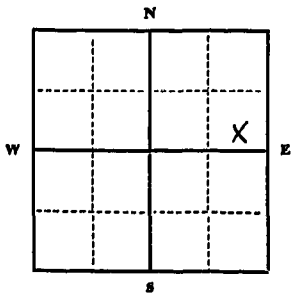
Date well started 2/11/69 Date completed 2/12/69

Type of well drilled (Dug, driven, bored or drilled) Equipment used cable tool (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	5⅝ O.D. 16 lbs per ft.	0	66	none		



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

Static Water Level for non-flowing well 52 ft of top feet.

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

Pumping Water Level 36 ft of top feet at 45 gal. per minute.

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

How Tested compressor

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).

Show exact depth of bottom.

66 ft

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

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

71
Driller's License Number

Harold K. Pickens
Driller's Signature.

45,063

#186H

279473

I received and filed this Instrument for record on the 12 day of Mar 1969 at 2:30 o'clock P.M., permanent files of Missoula County, State of Montana.

Witness my hand:

Veramae R. Crouse, County Recorder

By Dorothy A. Lanning, Deputy

Fee $ 2.00 Paid

GW 4

Approved Stock Form—State Publishing Co., Helena, Montana—42234

30

File No.

T. 13 N R. 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964
STATE ENGINEER

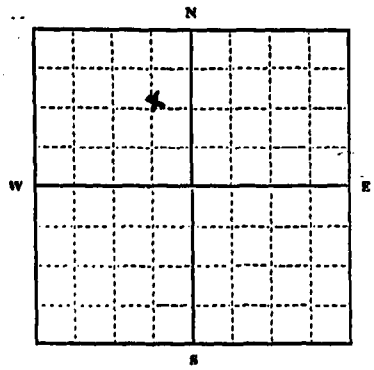
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ray V. or Elsie B. Neilson, of 2930 Spurgin Rd. 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:



IN-N.E. ¼ N.W. Sec. 30 T. 13 R. 19

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

2. The beneficial use on which the claim is based General house hold and watering lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been October 1949 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) ~~40 g.p.m.~~ un 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 lawn approx. 1/3 acre Ray V. or Elsie B. Neilson

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Automatic electric pump. Well in N.E. corner, outside house.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater October 1949

8. The depth of water table 68 feet (third level)

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 68 feet

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

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 available

Signature of Owner Elsie B. Neilson

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.

20364

12245

copy

Recorded for
at 3:47 p.m. Dec. 1963
permanent files
of Missoula County, State of Montana
Witness my hand and seal
County Recorder
By Martin J. Bolster Deputy
Fee $ Paid

G\.

Approved Stock Form—State Publishing Co., Helena, Montana—42134

30

File No.....

T 13 N R 19 W

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964
STATE ENGINEER

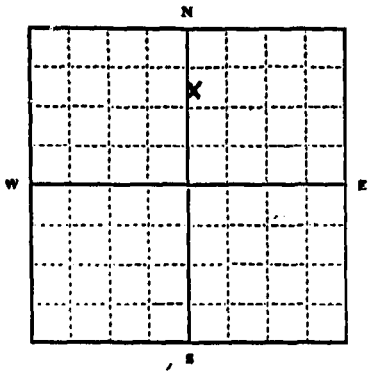
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. A. N. + Laura Olson, of Spurgin Rd. 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:



NW¼ NE Sec. 30 T. 13 R. 19

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approx 0.25

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. Approx 1 acre
A. N. + Laura Olson

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Automatic electric pump in basement.
NW¼ NE Sec 30 T13 R19

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1958

8. The depth of water table 75 feet (Third Level)

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch casing down 75 feet.

10. The estimated amount of groundwater withdrawn each year 185,000 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 No additional information available

A. N. Olson
Signature of Owner Laura Olson

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.

20423

1304

Copy

I received and filed this instrument for record on the 31 day of Dec. 1967 at 1:54 o'clock P.M. in my permanent files of Musselshell County, State of Montana

Witness my hand

By [illegible] County Recorder

Fee $2.00 Paid

Helena Independent Record

File No.

TRIPLICATE

T. 13 N R. 19 W P.M. 50

County Missoula

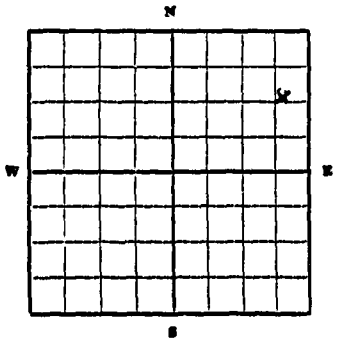
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 19 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Evelyn I. Osborne (Name of Appropriator), of 2606 Mount (Address) Missoula (Town)
County of Missoula, State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 31 Sec. 30 T 13N R 19W

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

2. The beneficial use on which the claim is based
Household use, irrigation of lawn & garden.

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) For Household use, Irrigation of Lawn & Garden.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre, Lot 31, Section 30, Township 13N, Range 19W, Evelyn I. Osborne, owner

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump
Well in Southeast 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 1956

8. The depth of water table 30'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5" well Depth of 70'

10. The estimated amount of groundwater withdrawn each year 850,000 gallons

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

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

Signature of Owner Evelyn I. Osborne

Date Dec 10, 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.

10424

426

214442

Copy

I received and filed this instrument for record on the 18 day of Dec 1963 at 9:00 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

4—Helena Independent Record

File No.....

DUPLICATE

T 13 N R 19 W 30

County Missoula

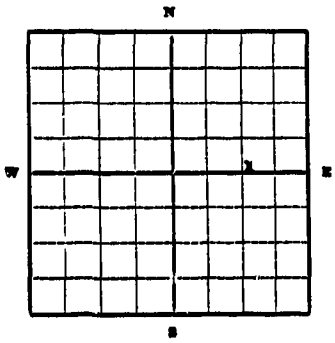
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAY 11 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Milburn H. Parker (Name of Appropriator), of 2633 Mount Ave. (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:



SE ¼NE¼ Sec. 30 T. 13 R. 19

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 1960 and continous since.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Lot size 100 feet by 130 feet.

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 Well started in April 1960 and finished in April 1960.

8. The depth of water table 25 feet 6 inches

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 Steel 6 inch casing 74 feet 9 inches deep.

10. The estimated amount of groundwater withdrawn each year 75000 gallons per year.

11. The log of formations encountered in the drilling of each well if available 0 - 6 feet pit, 6 - 24 feet gravel and boulders, 24 - 27 sand, 27 - 37 sand and gravel, 37 - 51 feet cobblestone imbedded in clay, 51 - 73 feet sand, 73 - 74 feet 9 inches clean gravel.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record All water entering well casing thru the open bottom of 6 inche casing.

Signature of Owner Milburn H. Parker

Date May 7, 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.

35670

221153

Copy

I received and filed this instrument for record on the 7th day of May 19 69 at 3:30 o'clock P.M., permanent files of Missoula County, State of Montana.

Witness my hand:
MARTIN S. BEHNER, County Recorder
By Vera Berce Deputy
Fee $ 2.00 Paid

Approved Stock Form—State Publishing Co., Helena, Montana—42234 30

File No. .....

T. 13N R. 19W

DUPLICATE

County .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1964 STATE ENGINEER

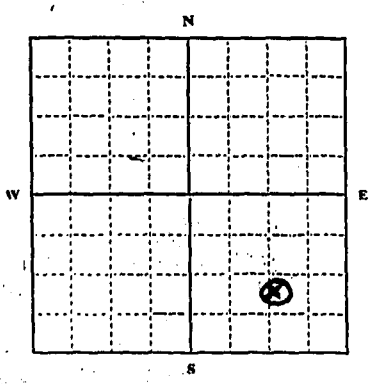
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. David R. Parry (Name of Appropriator), of 2020 26th (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:



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

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1957 — continuous From Then.

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: 3/4 horsepower electric motor on a 80 foot well in the house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1957

8. The depth of water table: about 65 to 70 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: ONE WELL 80 FT. IN DEPTH. w/ a 3/4 horsepower ~~no~~ electric motor. or pump.

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: Not Applicable.

Signature of Owner: David R Parry

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.

20228

1108

I received and filed this instrument for record the 31 day of Dec 1963 at 1:59 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand.

County Recorder

By Martin J. Pete Deputy

Fee $ 2.00 Paid

G

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.....

T. 13North 19 West

DUPLICATE

County....Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

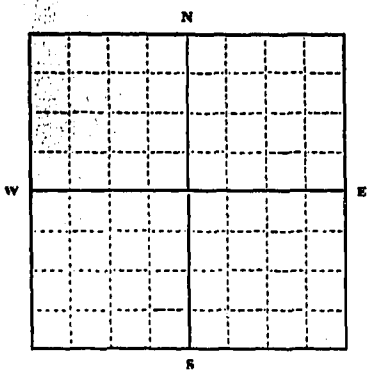
RECEIVED DEC 30 1963 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. ELMER C. PETERSON, of 2104 - 27th Street Missoula
(Name of Appropriator) (Address) (Town)

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



.....¼..... Sec. 30 T. 13N R. 19W

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

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

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

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
residential lot - 95x150 - Lot 7, Stevens Addn. #2
Owner - Elmer C. Paterson

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
electric pump, adjacent to dwelling

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

8. The depth of water table 20' below ground level

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 80' well - 5 inch pipe into ground

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

Signature of Owner Elmer C. Peterson

Date 12/23/63

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.

A5228

626 214985

copy

I received and filed the instrument for record on the 27 day of Dec 1963 at 1:25 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. EHMER, County Recorder
By Mildred L. Behrens Deputy
Fee $2.00 Paid

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

30

File No.

Lot 50 Government Subdivision No 2 Section 30 T 13 N R 19 W

T 13 N R 19 W

DUPLICATE

County Missoula Mont.

RECEIVED JAN 3 1963 STATE ENGINEER

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

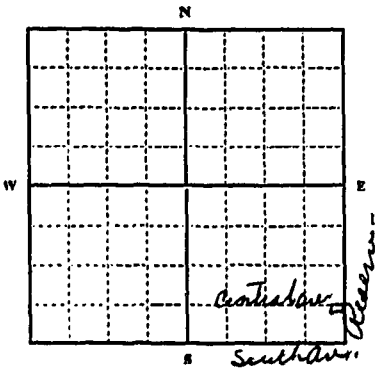
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ralph Piccinini (Name of Appropriator), of 2201 Reserve (Address) Missoula (Town)

County of Missoula State of Mont

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



¼ Sec 30 T. 13 N R. 19 W

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 23 and 33⅓ 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

½ acres

Ralph Piccinini 2201 Reserve Missoula Mont

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 1954 Aug

8. The depth of water table 20 ft

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

1 horse centrical pump 4" pipe 23 ft deep

10. The estimated amount of groundwater withdrawn each year 2 199 250 gals

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

Rock sand clay

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

no record

Signature of Owner Ralph Piccinini

Date 12-31-63

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

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

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

20287

1168

I hereby certify this instrument filed for record on the 31 day of Oct 1962 at 6:27 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand

Ethel Lane County Recorder

By Ethel Lane Deputy

Fee $2.00 Paid

Approved Stock Form—State Publishing Co., Helena, Montana—42234

C30

File No.

T 13 N R 19 W

DUPLICATE

County

RECEIVED JAN 3 1963 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

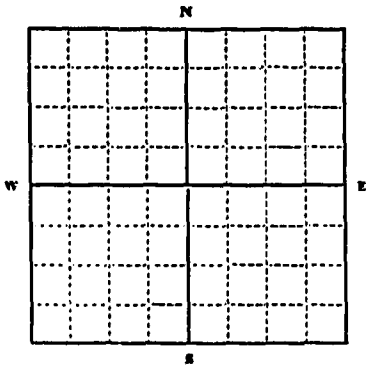
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, HELEN I. PRICE (Name of Appropriator), of 2916 SOUTH AVE. W. (Address) MISSOULA (Town)

County of MISSOULA State of MONTANA

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



NW¼ SE¼ Sec. 30 T. 13 N. R. 19 W.

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been I have been the water supply since 1957.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 5 gal. 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 1/2 acre. Alan L and Helen I. Price.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 hp. jet deep well pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater unknown. The pump in use is a 20 yr. old model.

8. The depth of water table unknown

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

10. The estimated amount of groundwater withdrawn each year 18,000 gal. per month

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 Mrs. Helen I. Price

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.

20076

951 2154 25

I received and filed this instrument for record on the 7 day of Dec 19 63 at 7 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN S. BROWN, County Recorder

By Mark B. Helm Deputy

Fee $ 2.00 Paid

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

30

File No.

T. 13N R. 19W

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

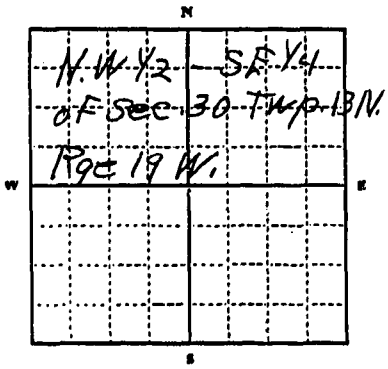
RECEIVED
JAN 3 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. L. M. Price & Helen M. Price of Route #1 Oak St. 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. ____ T. ____ R. ____

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 30 yrs. or more. Constant.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Seven 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 App. 5,000 sq. Ft. Garden & Lawn.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Elect. Pump. Appurtenant to Property.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Not Known over 30 yrs.

8. The depth of water table 28 - Twenty Eight 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 Five in. (5) Steel Casing 73 - Seventy Three Ft. deep.

10. The estimated amount of groundwater withdrawn each year 800,000 gal.

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Book 197 of Deeds page 179 North 1/2 of Lot Forty-seven (47) Cobban & Dinsmore Orchard Homes Add. #3 in Missoula Mont.

Signature of Owner L. M. Price Helen M. Price

Date 12/31/63

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

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

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

20075

949 2754 22

I received and filed this instrument for record on the 7 day of Dec 19 67 at 10 o'clock 0 M., permanent files of Missoula County, State of Montana

Witness my hand:

MARVIN E. SHIMLR, County Recorder

By Mata L. Lehr Deputy

Fee $ 2.00 Paid

T. 13 R. 19 30

County Missoula

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

WATER WELL LOG

Owner Prince of Peace Lutheran Church Address Missoula

Driller John Farrell Address Arlee

Date Started Nov 13-1957 Date Completed Nov 18-1957

Location: Sec. 30 T. 13 R. 19 ¼ sec.

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

Water use: Domestic [X] Municipal [ ] Stock [ ] Irrigation [ ]

Industrial [ ] Drainage [ ] Other:

Casing: 5' ft. to 76 ft. Type Steel Size 5"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

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

Type of screen or perforations

Static Water level, for non-flowing well: 35' feet.

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

Pumping water level 55' feet at gal. per min. 10

How tested: Compressor

Length of test 30 min

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
		5" Pit
5'	76'	Sand Gravel little Clay mixed

Received and filed this instrument for record the 16 day of Jan. 1958 at 8:45 o'clock A.M. in Permanent File of Deeds in Cass County, Illinois

Witness my hand and seal

WILLIAM L. [illegible] County Recorder

By Mary [illegible] Deputy

Fee $ 5.00 Paid

#20

149004

Approved Stock Form—State Publishing Co., Helena, Montana—42234 3

File No.

T. 13 N R. 19 W 30

DUPLICATE

County Mslo

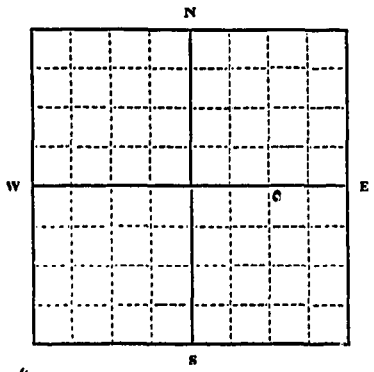
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 22 1965
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Glen L. Purdy, of 1804 - 27th St. Missoula, Montana
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



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

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

2. The beneficial use on which the claim is based
Water supply for residence

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept. 10, 1956. Has been in use continuously since that date.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12

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
To water lawn around house; approximately ¼ acre or less.

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
Completed 9/10/56

8. The depth of water table 35'

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
has 72' pipe

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available
no record

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 Glen Purdy

Date 1/20/65

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.

38886

471

221814

I received and filed this instrument for record on the 20 day of Jan 1965 at 3:45 o'clock P.M., permanent files of Missoula County, State of Montana.

Witness my hand.

Veramae R. Crouse, County Recorder

By Eleanor J Mason, Deputy

Fee $ 2.00 Paid cash

Well No. 1

GW 2 Revised 1969
STATE PUBLISHING COMPANY

Darrin
930 Gladis Dr

13N-19W - 30

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED
MAY 18 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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 Quality Const. Co.

Address 705 Toledo
Missoula, Montana

Date well started August 3, 197
completed August 4, 197

For Administrator's Use
File #2225, 316095
May 16, 1972 1:16 p.m.
GW 1

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

Equipment used Churn Drill
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

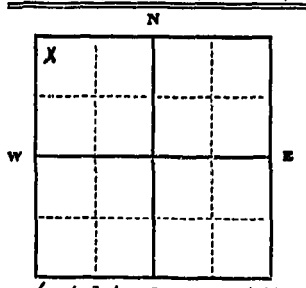
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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"[illegible]	6"[illegible] 17 lb per ft.	2' above G.L.	54'		none	



Static water level 9 ft.*
Pumping water level 14 ft.*
at 35 gallons per minute,
measured 2 minutes after pumping began.
*Measured from ground level.
Well developed by compressor
for 3 hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) 1" of gravel pack
R.J.D.

Lot 21, Block 2, Wetten Add.
NW 1/4 NW 1/4 Sec. 30
T. 13 (N) R. 19 W. (W) E
S

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

Driller's Signature Philip Bakke
Quality Construction Co.

Driller's Address 1522 S. 14th St., Missoula, Montana

LICENSE NO. 7

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)	Gladys Drive
0	4	Brown Topsoil
4	10	Gravel & Clay
10	52	Sand, Gravel & Water
52	54	Gravel & Water

54' Show exact depth of bottom

50,414

#2275 316795

I received and filed this Instrument for record on the 16 day of May 1972 at 2:16 o'clock P.M. permanent files of Missoula County, State of Montana

Witness my office

Veronica A. Carver, County Recorder

By Onnie Huskins Deputy

Fee $ 2.00 Cash Paid

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

Owner Quality Construction Co.
Address 705 Polaris, Missoula, MT
Location T.13N R. Sec. 30
Doc. No. #2275, 316795

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 attached form, the Range location of the well.

Thank you.

Part-phn Lits Co. + get range # 19-West

RECEIVED
JUN 9 19..
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

RECEIVED

JUN 9, 1972

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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 .....

Address .....

.....

Date well started .....

completed .....

For Administrator's Use
File #2275, 316795
May 16, 1972 1:16 p.m.
GW 1

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

Equipment used ..... (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)

N

W E

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

Lot 21, Block 2, Webber Hts.

NW ¼ NW ¼ Sec. 30.

T. 13 N/S R. 19 E/W

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

Driller's Signature .....

Driller's Address .....

..... LICENSE NO.....

DRILLER'S LOG

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

Top of Ground (Elev. above sea level) _____

From (Feet)	To (Feet)	

_____ Show exact depth of bottom

50,414

Approved Stock Form—State Publishing Co., Helena, Montana—42234 30

File No. .....

T. 13 N R. 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1963 STATE ENGINEER

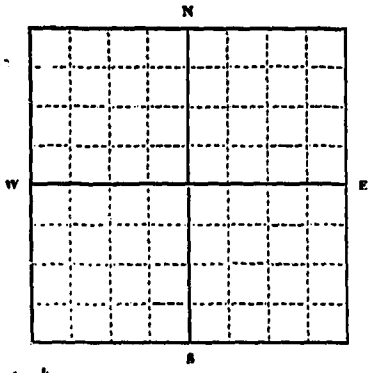
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Glen H. and Mary M. Roberts, of 2004 - 27 Str. Missoula
(Name of Appropriator) (Address) (Town)

County of Missoula State of Montana

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



N ½ 26 T43
¼ Sec. 30 T. 13 N R. 19 W

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 1957
The well has been used continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gal / 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
½ acre lawn and garden

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
April 20, 1957

8. The depth of water table 42'

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" well - 66' deep

10. The estimated amount of groundwater withdrawn each year 6000 gal. during spring and summer mo. at least 1500 gal. per day and

11. The log of formations encountered in the drilling of each well if available
40' sand, gravel, cobble rock
41' sand (fine), H2O
66' clay gravel, H2O

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
Not known

Signature of Owner Mary M. Roberts

Date .....

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

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

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

20288

1164

I received and filed this instrument for record on the 31 day of Dec 19 63 at 6:28 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

County Recorder

By Ethel Lame Deputy

Fee $2.00 Paid

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED

County Missoula 30

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 School District No.1

Address 215 South Sixth St. West
Missoula, Montana

Date well started 8/14/72
completed 8/18/72

For Administrator's Use
File 2454.330.595
April 13, 1973
GW 1 1:00 p.m.

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

Equipment used Cable Tool Rig (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒

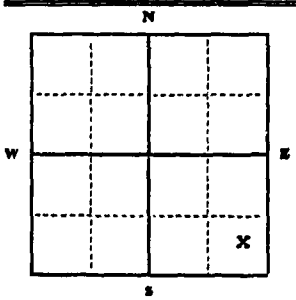
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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). Approx. six acres

ESTIMATED ANNUAL WITHDRAWAL 78,840,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x ¼"	2	55'11"	Johnson Wire Wound w/continuous slot		
opening, 100/1000					55'11"	58
	125/1000				58	64
A 5 9/16" OD blank tailpipe with bottom belled in & 1" plate solidly welded to bottom					64	67



SE ¼ SE ¼ Sec. 30
T. 13 N R. 19 E/W

Static water level 27'6" ft.*
Pumping water level 43 ft.*
at 300 gallons per minute,
measured 480 minutes after pumping began.
*Measured from ground level.
Well developed by Air Lift Pump for Eight hours.
Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through slot openings in water well screen. Wells in this area can be cont'd

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

LIBERTY DRILLING COMPANY
Driller's Signature [signature]
2500 Reserve Street
Driller's Address
Missoula, Montana LICENSE NO. 52

DRILLER'S LOG

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

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

From (Feet)	To (Feet)	
0	3	Dark tan topsoil
3	21	Gravel, cobblestones and boulders
21	40	Gravel embedded in clay
40	48	Silty sand
48	55	Silty sand and gravel
55	67	Clean coarse sand and gravel. Water.

67 ft. Show exact depth of bottom
Water rises in well 27'6" from surface.

52,942

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

5454

330575

I received and filed this instrument for record on the 13 day of April 1973 at 1:00 o'clock P M., permanent files of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By Wana Stone, Deputy
Fee $ 3.00 Paid No fee

GWS

File No.....

DUPLICATE

T 13N R 19W

County Missoula

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1864

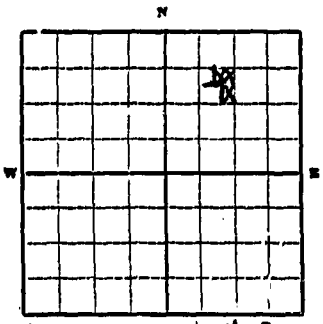
Owner G.O. Shallenberger Address 2712 Sangin Rd.

Contractor (if any) .....

Address of Contractor .....

Date Started 1864 Date Completed about 1908

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Taken from ditch from Clarks Fork River



* Portion of Lot 53 in NW ¼ NE ¼ Sec. 30 T13N R19W

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

* All of Lot 53 Dinsmores O.H. Addition #4 except S½ W½

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 Six miner's inches and used six or seven Months per year

Signature of Owner G.O. Shallenberger

Date Dec 12 1968

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.

9322