Helena Independent Record

File No.....

DUPLICATE

T. 12 N R. 19 W

County Missoula

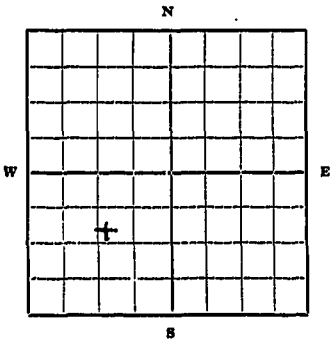
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JUN 18 1962 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Robert B. Curry (Name of Appropriator), of Route #3 (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 SW ¼ Sec. 2 T. 12 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, Household and irrigation needs of family.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous beneficial use since 1947

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, Robert B. Curry, Garden and yard approx ½ acre

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well located at NW corner of house.

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

8. The depth of water table Estimated 30-40 feet ?

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well, 87 feet deep, 6" casing

10. The estimated amount of groundwater withdrawn each year Unknown - Estimated 20,000 gal

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

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

Signature of Owner Robert B. Curry

Date June 14, 1962

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

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

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

888

#136

194252

I received and filed this instrument for record on the 14 day of June 19 62 at 2:00 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN S. BEHNER, County Recorder

By Dorothy Hand Deputy

Fee $ None Paid

STATE WATER CONSERVATION BOARD

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

2

File No. ..... AUG 1 1966 T. 12 N. R. 19 W.

DUPLICATE

Bills ..... McDermott
Butcher ..... Metcalfe
Coyle ..... Morison
Darlington
Dickert

County Missoula

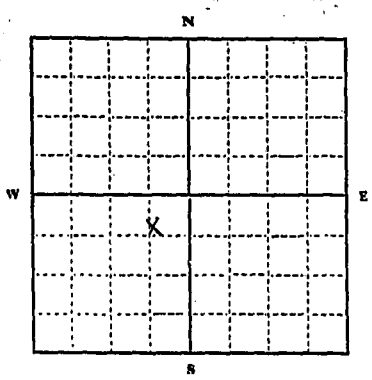
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. O. K. Estes, of Rt. 3 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:



NESW ¼ Sec. 2 T. 12 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
Irrigation and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been April, 1945

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 miner's inch

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April, 1965. Water is taken from Pattee Creek and springs on premises.

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 withdrawn from surface

10. The estimated amount of groundwater withdrawn each year 365 miner's inches

11. The log of formations encountered in the drilling of each well if available
No well drilled

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 O. K. Estes

Date July 26, 1966

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.

1632

252491

I received and filed this instrument for record on the 27 day of July 19 66 at 1:55 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

Vernice R. Crouse, County Recorder

By Ruth W. Smith, Deputy

Fee $ 2.00 Paid Cash

ADDENDUM

Form: ☒ Declaration of Vested Groundwater Rights

☐ Notice of Completion of Groundwater Appropriation by Means of Well

Name of owner: Harold Hochhalter

Corrected land description: ¼E½¼SE¼NE

Sec. 1 T12N R20W

Initials: CS (S. Side Homes to Missoula)

GW

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

File No.

T. 12N R. 19W S 1 P

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964
STATE ENGINEER

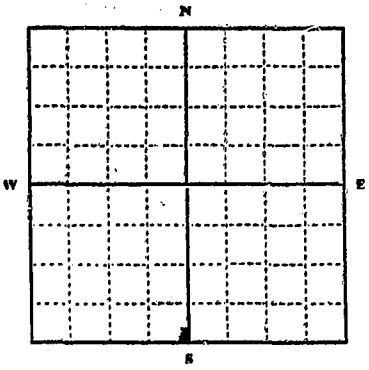
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Harold Hostetter (Name of Appropriator), of R.D. 3 Garland Ave. (Address) Missoula (Town), Mont

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..... 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 lawn and garden irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1, 1960. Continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 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
Lot 3-6 South Side Homes
½ Acre

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Jet pump. (1/4 hp)

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 7/15/60 commenced well. 7/29/60 completed well.

8. The depth of water table 63'9" from surface.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch well 255 ft deep.

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

11. The log of formations encountered in the drilling of each well if available 1-6 Pit, 6-38 Gravel and cobbles imbedded in tan clay. 38-44 Dark gray clay with some gravel imbedded. 33-46 Tan sandy clay with gravel mixed in. 46-249½ Alternate layers of tan sandy clay and dark gray clay with some scattered gravels mixed in. 249½-255 Coarse sand and fine 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 Ass. Statement Number 6296

Signature of Owner Harold L. Hostetter

Date Dec 30, 1963

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

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

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

17662

872

21534/5

Copy

I received and filed this instrument for record on the 31 day of Dec 1963 at 9:00 o'clock A M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEAINER County Recorder
By Martin S. Beainer Deputy
Fee $ 2.00 Paid

GW-2

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

File No.

T. 12 N R. 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

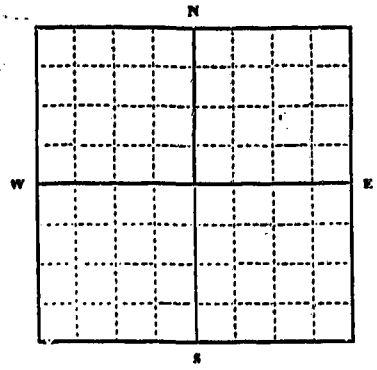
RECEIVED
JAN 3 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. ~~Horn~~ Hoven Hoven, of 125 W Main 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. 2 T. 12 N R. 19

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.
X - location of appropriation by well

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

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

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 4 acres irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pumps ~~4 acres irrigation~~

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

8. The depth of water table 128'

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 8" casing - jacuzzi pump

10. The estimated amount of groundwater withdrawn each year 100 gal per minute - 6 months
25 gal " " - 6 months

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 Hans Hoven

Date 10/31/63

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.

20374

1255

Copy

I received and filed this instrument for record this 5th day of Dec. 1963 at 8:44 o'clock P. M. in permanent files of the Silver Bow County, State of Montana

Witness my hand

County Recorder

By Master S. Elliott Deputy

Fee $ 2.00 Paid

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—39089

2

File No.....

T. 12N R. 19W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater October 1959

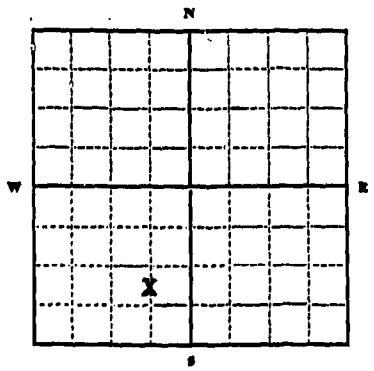
Owner Thora Hoven Address 125 West Main Missoula, Montana

Contractor (if any) (None)

Address of Contractor

Date Started Oct 15, 1959 Date Completed Jan 15, 1959

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring - boxed in and piped; 50 gal. per minute flowing



¼ Sec. 2 T. 12 R. 19

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

X - point of appropriation use is for irrigation and domestic purposes on SW¼NW¼ and NW¼SW¼

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. constant use for domestic and irrigation purposes

Signature of Owner Thora Hoven

Date 12/26/63

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

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

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

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

20418

1119

Copy

I hereby certify that this instrument was filed for record on the 31 day of Dec 1963 at 9:49 o'clock A.M. and recorded in Book ___ of Mineral Deed files of Missoula County, State of Montana.

Witness my hand and seal

County Recorder

By [illegible] Deputy

Fee $ 4.00 Paid

GW 3

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

2

File No.....

T. 12N R. 19W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June, 1954

Owner Vernon Hoven, Trustee Address 125 West Main Missoula, Montana

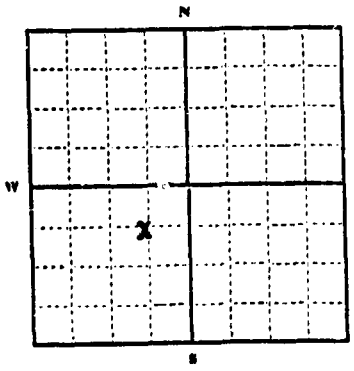
Contractor (if any) .....

Address of Contractor .....

Date Started June 1950 Date Completed June 1952

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring - boxed in with cement; pipes run to irrigation outlets and to buildings

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. 250 gal. per minute. Use of horse troughs, size of pipes for irrigation, and average for home use in Missoula



.....¼..... Sec. 2 T. 12 R. 19

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

X - point of appropriation use is on S½ of section

Signature of Owner [signature]

Date 12/28/63

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

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

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

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

17684

884

215367
Copy

I received and filed this instrument for record on the 31 day of Dec 19[illegible] at 10:30 o'clock A M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNKE, County Recorder
By Martin S. Behnke Deputy
Fee $ 5.00 Paid

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

File No. ONTA[illegible]

DUPLICATE

T. 12 R. 19 2

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

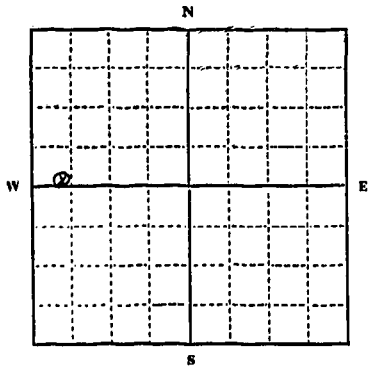
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mark J. & Marguerite E. Jakobson (Name of Appropriator), of Rte. 3, Pattee Canyon, Missoula, Mont. (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 NW ¼ Sec. 2 T. 12N 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, fire, and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 27, 1956 continuous seasonal irrigation

4. The amount of groundwater claimed (in miner's inches or gallons per minute) six 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 1.5 acres surrounding well same owner

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 6" well and casing 2 hp pump (Location on map)

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well completed August 26, 1956 by Liberty Drilling Co.

8. The depth of water table Static level 23' from surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 107 ft. drilled well 6" steel casing 2 hp 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 0-6' dirt and gravel, 6-53 clay and sand, 53-72 red shale, 72-85 yellow shale, 85-86 sand and water, 86-99 tan sandstone and water, 99-107 grey sandstone and water.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Deed Bk # 602

Signature of Owner Marguerite E. Jakobson Mark J. Jakobson

Date April 9, 1968

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.

44,063

1785 270266

I received and filed this Instrument for record on the 16 day of April 1968 at 2:05 o'clock P. M., permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Crouse, County Recorder

By [illegible], Deputy

Fee $2.00 Paid Cash

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
AUG 8 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Missoula 2

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 Donald Koeppen

Address Pattee Canyon
Missoula, Montana 59801

Date well started March 12, 1968
completed March 12, 1968

For Administrator's Use
File #2312 ; 320042
July 28, 1972 2:20 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

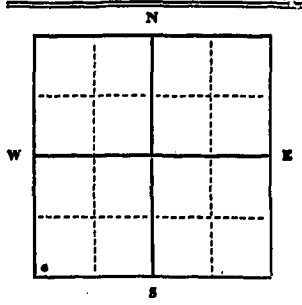
Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" ID	6" ID 17 lb per ft.	1' above g.l.	150'		none	

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	5	Brown Dirt & Broken Rock
5	135	Tan Clay & Gravel
135	136	Water (About 3 gpm)
136	149	Tan Clay & Gravel
149	150	Water & Gravel



Static water level 135 ft.*
Pumping water level 145 ft.*
at 12 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by Bailer & Test Pump
for Pump 12 hours.
Power Leo Pump 3/4 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

SW ¼ SW ¼ Sec. 2
T. 12 N R. 19 ~~E~~ W

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

Driller's Signature Phil Bailey
CAMP WELL DRILLING & PUMP SUPPLY

Driller's Address 1522 S. 14th W. Missoula, Montana 59801

LICENSE NO. 7

150' Show exact depth of bottom

51,075

2312

326047

I received and filed this Instrument for record on the 28 day of July 1972 at 2:20 o'clock P.M. permanent files of Missoula County, State of Montana

Witness my hand

Vernice R. Crowe, County Recorder

By [illegible] Deputy

Fee $ 2.00 Cash Paid

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JUN 8 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND 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 ...Robert Lucas...

Address ...400 Parkside Lane...

...Missoula, Montana...

Date well started ...May 4, 1971...

completed ...May 14, 1971...

For Administrator's Use
File 2289 - 31960
June 5, 1972 3:00 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 ☐

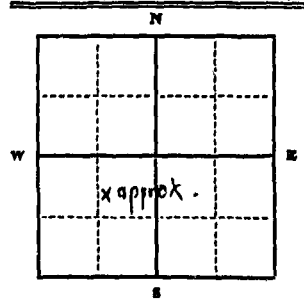
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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"I.D.	6"I.D. 17 lb per ft.	186" above g.l.	130'	burnt	130	160
5"I.D. liner	5"I.D. 14.8 lb per ft.	128'	160'			



Static water level ...113... ft.*
Pumping water level ...138... ft.*
at ...15... gallons per minute,
measured 1½ minutes after pumping began.
*Measured from ground level.
Well developed by ...test pump...
for ...3... hours.
Power ...Elec... Pump ...1... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) ...

N.E. ¼ S.W. ¼ Sec. 2
T. 12 (N) R. 19 (W) E (Lot 2, Potter Canyon Estates)

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

Driller's Signature ...Gleason Camp...

Driller's Address ...Camp Well Drilling & Pump Supply
1522 S. 14th W., 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)	Potter Canyon
0	25	Tan clay and gravel
25	29	brown clay and gravel
29	48	Tan clay and gravel
48	53	Cobblestones gravel some clay
53	69	Tan clay sand and gravel
69	81	Cobblestones broken rock clay
81	104	Tan clay & gravel
104	117	Pink colored clay Gravel
117	122	Tan clay
122	135	Tan clay & gravel
135	137	Gravel Sand Clay Water - 5 gpm
137	160	Some gravel & sand With clay layers

160' Show exact depth of bottom

50,550

2284 317601

I received and filed this instrument for record on the 5 day of June 1972 at 3:00 o'clock P.M. Recorded this of Missoula County State of Montana

Witness my hand

Veramae R. Crouse, County Recorder

By Vera Mae Marshall Deputy

Fee $2.00 Cash Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—45542

File No. .....

T. 12N R. 19W

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
SEP 23 1968

Box 2229 Donald Ave
Missoula, Montana

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 .....)

0-5 Gravel & tan Clay

5-6 Seep of water & tan clay & gravel

6-110 Tan clay & gravel

110-111 Gravel & water (3 GPM)

111-116 Tan clay & gravel

116-118'2" Gravel & water

Owner Donald Miller Address Pattee Canyon

Driller Glenn Camp Address 1522 S. 14th W. Missoula, Montana

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

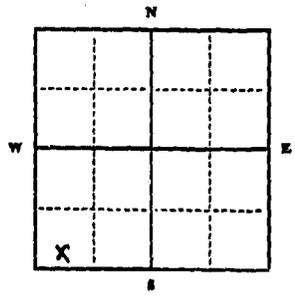
Date well started April 5, 1968 Date completed April 10, 1968

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)
6" I.D.	6" I.D. 17 lb per ft	18" above G.L.	120'4"		none	



Static Water Level for non-flowing well 102 feet. from G.L.

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

31' Drawdown

Pumping Water Level 105 feet

at 20 gal. per minute.

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

How Tested Test Pump

Length of Test 1 hour

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

SW 1/4 SW 1/4 Sec. 2 T. 12 R. 19

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

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

License # 7

Driller's License Number

Glenn Camp

Driller's Signature. Glenn Camp

44,593

1822 274730

I received and filed this instrument for record on the 18 day of Sept. 19 68 at 10:45 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:

Vernon R. Crouse, County Recorder

By J. Billings, Deputy

Fee $ 4.00 Paid

GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED MAY 23 1972

County Missoula Y

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner JOHN SPERRY

Address RT. # 3 PATTY CANYON Ma 2278, 316943

MISSOULA, MONTANA

Date well started JULY 15, 1966

completed JULY 22, 1966

For Administrator's Use
May 19, 1972 10:00 a.m.
GW 1

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

Equipment used CHURN (Churn drill, rotary or other)

Water Use: Domestic XX Municipal ☐ Stock ☐ Irrigation ☐

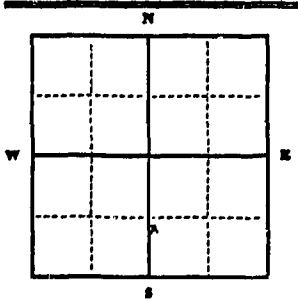
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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.	5-5/8"OD 17 lbs. 1/4"side-wall	ground level	118			



NW ¼ SW ¼ Sec. 2
T. 12 (N) R. 19 E (W)
S

Static water level 92 ft.*
Pumping water level 117 ft.*
at 4 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by bail test
for 4 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 Kenneth L. Williams

Driller's Address 1558 So. 5th. W. MISSOULA, MONTANA

LICENSE NO. 151

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
GL	4'	Tan clay
4'	42'	tan clay, sand and gravel
42'	45'6"	Boulder
45'6"	118'	Bedrock

118 ft. Show exact depth of bottom

50,452

2278 316943

I received and filed this instrument for record on the 19 day of May 1972 at 10:00 o'clock A.M. permanent records of Missoula County State of Montana

Witness my hand

Vernon R. Carlson, County Recorder

By Maxine Meyhrle, Deputy

Fee $2.00 Check Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4047.

File No.....

T 12 N R 19 W

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 16 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Well at Pattee Canyon

Top of Ground

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

0 to 59' Clay & broken rock

59' to 73' Brown clay, gravel & some water

73' to 81' Water, sand & gravel

Owner Dr David R. Tussey Jr. Address 2300 Gleendale

Driller Glenn Camp 705 Alder Address Missoula, Mont

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

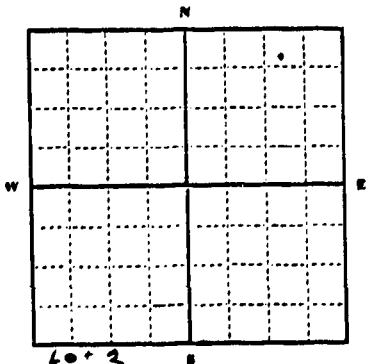
Date well started 7/1/64 Date Completed 7/3/64

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)
6"	6" I.D. 18.97 # to foot	1' above G.L.	to 78'	None		



Lot 2

NE ¼ NE Sec. 2 T 12 N R 19 W

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 35' from G.L. feet

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

Pumping Water Level 63 feet at 15 gal. per minute.

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

How Tested Test Pump Length of Test 1 hour

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

Total depth drilled 81', 4" of open hole below the casing. Total drilled depth & cased 77'

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.

38563

151

227563

I received and filed this Instrument for record on the 9 day of Oct. 19 64 at 1:05 o'clock P.M. permanent files of Missoula County, State of Montana

Witness my hand

Veranne A. Cronin, County Recorder

By G. Billings Deputy

Fee $ 2.00 Paid

GW 2

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

File No.....

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 29 1969

T. 12N R. 19W

County Missoula

DUPLICATE

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.....)

0-8 Cobbelstones, Gravel & Clay

8-37 Red Clay & Gravel

37-41'1" Water & Gravel

Owner Dr. David B. Tawney, Jr. Address Fattee Canyon

Driller CAMP WELL DRILLING & PUMP SUPPLY Address 1522 S. 14th W. Missoula, Montana

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

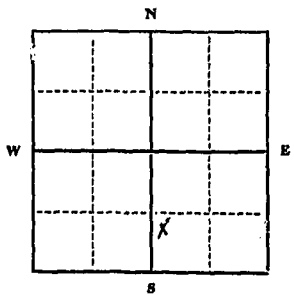
Date well started Sept. 12, 1969 Date completed Sept. 19, 1969

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)
6" I.D.	5" I.D. 17 lb per ft.	2' above G.L.	41'1"		none	



Static Water Level for non-flowing well .....3.....feet. from G.L.

Drawdown-17'

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

Pumping Water Level.....20.....feet

at.....24.....gal. per minute.

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

How Tested TEST PUMP

Length of Test 2 hrs.

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

SW/4SE1/4 Sec. 2 T13N R. 19W

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).

Irrigation 5 acres

Show exact depth of bottom.

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

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

License #7
Driller's License Number

Philip Bakke
Driller's Signature. Camp Well Drilling & Pump Supply

45,782

#1946

285900

I received and filed this Instrument for record on the 27 day of Oct 19 69 at 3:45 o'clock P M., permanent file of Missoula County, State of Montana

Witness my hand:

Vernnae R. Crouse, County Recorder

By Dorothy L. Head Deputy

Fee $ 7.00 Paid cash

GW 3

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

2

File No.....

T. 12 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 Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: october 1961

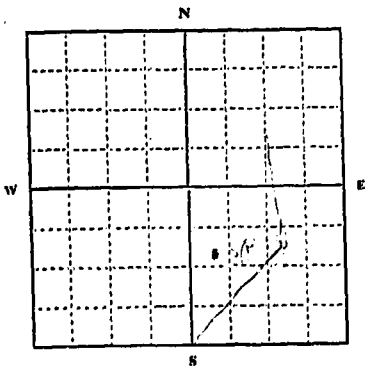
Owner: D.B. Tawney Jr. Address: Rt #3 Missoula Mont.

Contractor (if any): none

Address of Contractor: none

Date Started: october 1961 Date Completed: not applicable

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable: used for watering stock. Natural spring



SE ¼ SW Sec. 2 T. 12N R. 19W

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: Used 6 months per year. Quantity Unknown

Signature of Owner: David B Tawney Jr.

Date: 31 Jan 63

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

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

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

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

20434

1314

Copy

I received and filed this instrument for record on the 21 day of Dec 19 62 at 9:04 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

County Recorder

By [illegible] Deputy

Fee $ 2.00 Paid

OW

Approved Stock Form—State Publishing Co., Helena, Montana—42234 2

File No.

T. 12 N R. 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

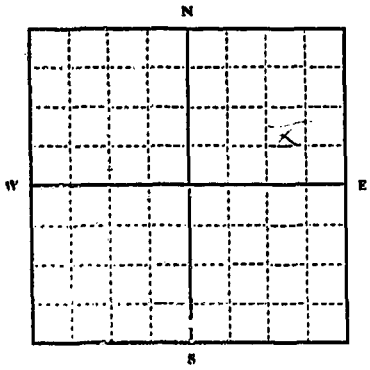
RECEIVED JAN 3 1964 ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Ray L. Wohlschlager, of Patte Canyon 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:



1/4 Sec. 2 T. 12 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 & garden

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

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof About one acre of Alfalfa and small garden & lawn owner Ray L. Wohlschlager

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump — 50' No. of Patte Creek

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

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 6" steel casing well is 50' deep

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

Signature of Owner Ray L. Wohlschlager

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.

20319

1200

Copy

I received and filed this instrument for record on the 3rd day of Dec. 1963 at 7:20 o'clock P.M. in permanent files of Missoula County, State of Montana

Witness my hand:

County Recorder

By Martin L. Behner Deputy

Fee $ ..... Paid

GW 3

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

2

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 Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1948

Owner Frank R Wohlschlager Address Potter Canyon

Contractor (if any) None

Address of Contractor —

Date Started — Date Completed —

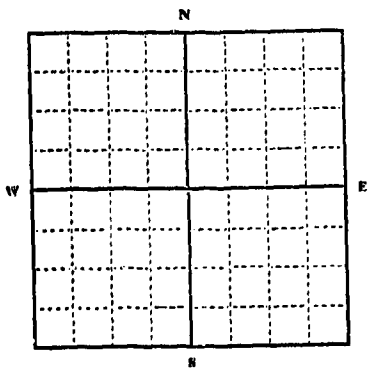
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable

(1) Natural Spring 110 ft from dwelling

(1) Natural Spring under dwelling

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 1/2 year Intermittent

1 1/2 gal per min. (Total) X 10 hr day X 1/2 year = 114,000 gal. per year



NE ¼ SW Sec. 2 T. 12 R. 19

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

Frank R Wohlschlager

Signature of Owner Frank R Wohlschlager

Date Dec. 31 1963

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

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

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

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

20332

1213

Copy

I [illegible] instrument for
re[illegible] Dec. 19 63
at 7:23 o'clk [illegible] ent filed
of Mis[illegible] ana
Witness my hand

County Recorder

By Marlus L. Behler Deputy

Fee $2.00 Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4564

File No.

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
DEC 28 1967

T. 12 N R. 19W 3

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0-9	Slide Rock Surface Water
9-12	Clay - Rock
12-23	Slide Rock-loose
23-30	Clay
30-37	Boulders
37-43	Water
43-45	Rock
45-60	Rock

Show exact depth of bottom.

Owner Dr. Geo. Sarmayer Address Pattee Canyon 1522 S. 14th

Driller Glenn Camp Address Missoula, Montana

Date of Notice of appropriation of groundwater

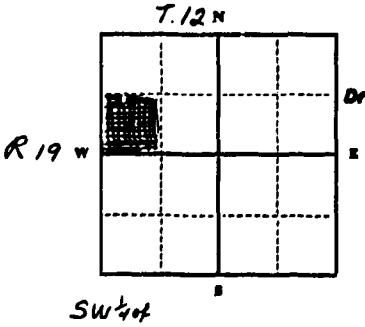
Date well started Aug. 7, 1967 Date completed Aug. 18, 1967

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)
6" I.D.	6" I.D. 17 lb per ft	0	37'		NONE	



SW¼ of NW¼ Sec. 3 T. 12 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 32 feet.

Shut-in Pressure for Flowing Well

Drawdown- 29'

Pumping Water Level 59 feet

at 2 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Test Pump

Length of Test 2 hours

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

(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).

No

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

42,699

B 1767

266846

I received and filed this instrument for record on the 2 day of Dec. 1967 at 11:30 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:

Vernice R. Crouse, County Recorder

By Jean Beckwith Deputy

Fee 3.00 Cash Paid

GV

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

File No. .....

T. 12N R. 19

DUPLICATE

County .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

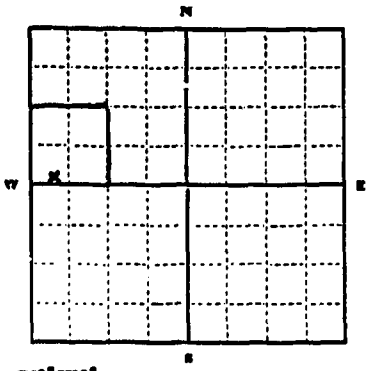
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George H. Barmeyer, and Dorothy D. Barmeyer (Name of Appropriator), of Pattee Canyon (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:



SW¼NW¼ ¼ Sec. 3 T12N. 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: Home and domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: October 1955, and has been used continuously since then.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Approximately 2½ 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: Not used for irrigation.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Drilled well with Jacuzzi pump. Well is located 500 feet from house in NW¼NW¼ of Sec. 3, township 12 north, Range 19 West.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Well was drilled October 1954, but wellhouse was not completed until October 1955, and Jacuzzi pump was not installed until October 1955.

8. The depth of water table: 55 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled well, 8 inches in diameter, 100 feet deep; pump is ½ h.p. self-priming deep well pump.

10. The estimated amount of groundwater withdrawn each year: 50,000 to 55,000 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: Warranty Deed for land on which the above described well is located, is Book 176, Page 226 of Missoula County records.

George H. Barmeyer, MD

Signature of Owner Dorothy D. Barmeyer

Dated Dec. 21st, 1963

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

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

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

15169

564

214869

Copy

I received and filed this instrument for record on the 26 day of Dec 1965 at 12:44 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—42234

3

File No.

T12 North, R.19 West

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964
STATE ENGINEER

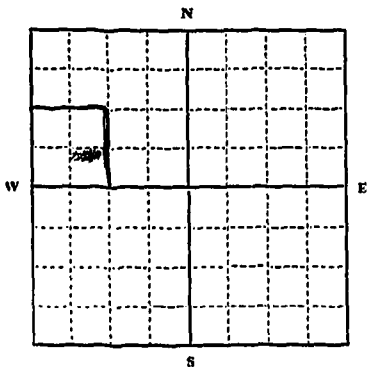
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George H. Barmeyer and Dorothy D. Barmeyer (Name of Appropriator), of Pattee Canyon, (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:



SW¼NW¼ Sec. 3 T12 N. 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, domestic, and some irrigating

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1950 -- continuous use since that time.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 1/4 acre flat fertile land used for vegatable garden for domestic use. George H. Barmeyer and Dorothy D. Barmeyer

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Shallow well pump, located at site of well, SW¼NW¼ Sec. 3, T 12 N., R 19 W.

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

8. The depth of water table: 7 to 9 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: Dug well, 3 feet diameter, approximately 10 to 15 feet deep

10. The estimated amount of groundwater withdrawn each year: 36,000 gal. per year

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: Warranty Deed for land on which this well is located, is in Book 210, Page 600, of the Missoula County Records.

Signature of Owner: George H. Barmeyer, Dorothy D. Barmeyer

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.

20085

960 215434

I received and filed this instrument for record the 7th day of Dec 1963 at 12 o'clock 6 M., permanent files of Missoula County, State of Montana

Witness my hand

MARVIN S. BENNETT County Recorder

By Mark L. Kelm Deputy

Fee $ 2.00 Paid

GW 1

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

3

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 Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, Wm L. And Joyce S. Cimino, of Pattee Canyon Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

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

3. The rate of use in gallons per minute or miner's inches of groundwater claimed
10½ gallons plus per min.

4. The annual period (inclusive dates) of intended use 365 days a year

5. The probable or intended date of first beneficial use August 1963

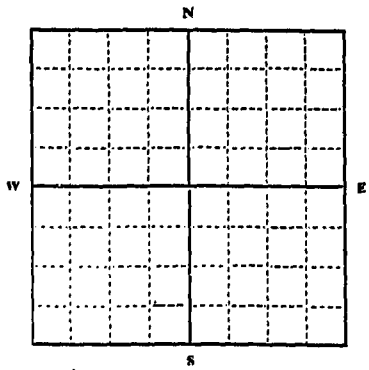
6. The probable or intended date of commencement and completion of the well* or wells*
August 1963 started and completed

7. The location, type, size and depth of well or wells contemplated
New home site in Pattee Canyon drilled 6½ inches top 130 foot depth

8. The probable or estimated depth of the water table or artesian aquifier 105 ft

9. Name, address and license number of the driller engaged Wm F. Osborne
Liberty Drilling and Pump Co. Box 830 Missoula, Montana

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



SE¼ NE¼ Sec. 3 T. 12 R. 19
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Joyce S. Cimino
Wm L. Cimino, M.D.

Date December 31, 1963

* 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.

20231

1111

I received and filed for record this 31 day of Dec 1963
at 10 o'clock ... permanent files
of Missoula County, State of Montana
Witness my hand: County Recorder
By Martin J. Lehr Deputy
Fee $ ..... Paid

W 3

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

File No.

Duplicate

T 12N R 19W

County

RECEIVED
JAN 3 1963
STATE ENGINEER

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 July 1962

Owner Joyce D. Cimino Address Tattee Canyon

Contractor (if any)

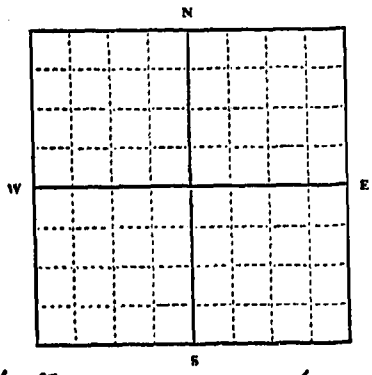
Address of Contractor

Date Started Date Completed

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

Used for irrigation- Pump and ditch

Used to water stock and irrigation



SE¼NE ¼ Sec. 3 T 12N R 19W

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 50 gal per min.

365 days to water stock and irrigate

Signature of Owner

Date December 31, 1963

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

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

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

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

20232

612

I received and filed this instrument for
record on the 21 day of Mar 1963
at 5:02 o'clock P.M., permanent files
of Missoula County, State of Montana.
Witness my hand:
County Recorder
By Marie A. Hilen Deputy
Fee $ 2.00 Paid

—Helena Independent Record

3

File No.....

T 12N R 19W

DUPLICATE

County Missoula

SW

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 26 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

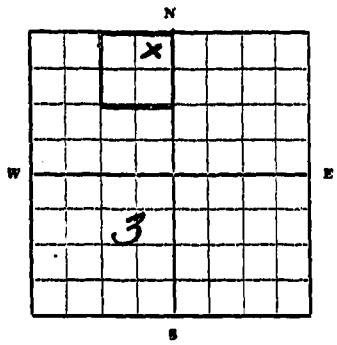
(Under Chapter 237, Montana Session Laws, 1961)

Evelyn S. Cox

I, Walter B. Cox, of 2800 Maurice 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 3 ¼ Sec. 3 T 12N 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 Stock water and irrigation of grass

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuously since appropriation April 27, 1925, originally filed by Edward Henriksen

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 inches Miners

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 low pasture in this gulch owner Walter B. Cox Evelyn S. Cox

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Metal pipe from reservoir to tank and overflow for grass irrigation

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 27 1925 | reappropriated by Previous appriator on April 29 1959

8. The depth of water table Don't Know

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

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

11. The log of formations encountered in the drilling of each well if available Not applicable ~~J of Water Rights page 232~~

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 Appropriation filed in Book J of Water Rights page 232

Second app. filed on May 6 1959 recorded in book "K" of Water Rights page 161

Signature of Owner Evelyn S. Cox Walter B. Cox

Date March 4 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.

5180

#230

208506

I received and filed this instrument for record on the 24 day of July 19 63 at 2:44 P.M. o'clock P. M., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN S. BEHNER, County Recorder

By Dorothy Heard, Deputy

Fee $ 2.00 Paid

SW 3

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

3

File No.....

T. 12N R. 19W

DUPLICATE

County.....

JAN 3 1964

STATE ENGINEER

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 December 31, 1963

Owner Homer C. Mae Crismer Address 913 Pattee Canyon Missoula Mont.

Contractor (if any) None

Address of Contractor —

Date Started — Date Completed —

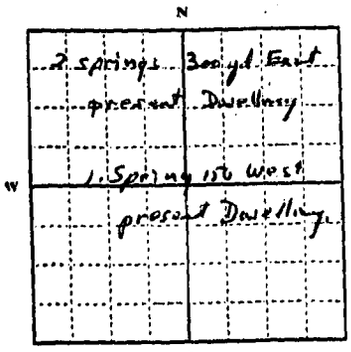
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Sub-irrigation and surface springs (3). Undeveloped

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

Intermittent - about 6-8 mos each year ~ Measured water flow per minute x 12 hr day x 2/3 year = 2 million gal per year

Signature of Owner Homer C. Crismer

Date December 31, 1963



East ½ Sec 3 T12N R19W

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

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.

20328

1209

Copy

Dec. 1963

719 31st

of Missouri

Witness

County Recorder

By Martha A. Duncan Deputy

Fee $ Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4564G

File No. STATE WATER CONSERVATION BOARD

JUL 24 1967

DUPLICATE

T. 12N R. 19W

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)

Top of Ground C...

(Elev. above sea level ...)

0 to 1' Top soil
1' to 29' Clay & gravel
29' to 36' Clay, gravel & trace of water
36' to 38' Water & gravel
38' to 41' Clay & gravel
41' to 43' Water & gravel

Owner Dr. John Fritts Address Patte Canyon

Driller Glenn Camp 1822 S. 14th Address Missoula, Montana

Date of Notice of appropriation of groundwater

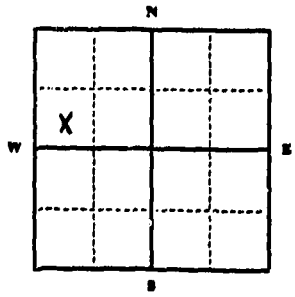
Date well started 6/27/67 Date completed 6/28/67

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)
6"	6" I.D. 17# to 41	2' above G.L. to 43'			None	



SW 1/4 NW 1/4 Sec. 3 T. 12N 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 28 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 22 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer & Comp

Length of Test 3½ hrs

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

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

License # 7
Driller's License Number

Glenn Camp
Glenn Camp
Driller's Signature.

42,165

726

262559

I received and filed this Instrument for record on the 19 day of July 1969 at 11:32 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Crouse, County Recorder

By Dorella A. Bunnell Deputy

Fee $ 2.00 Paid

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED
APR 19 1973
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 Robert C. & Jene E. McDaniel

Address Pattee Canyon
Missoula, Montana

Date well started 1/11/73
completed 1/17/73

For Administrator's Use
File 2460,330685
April 16, 1973
GW 1 1:10 p.m.

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

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

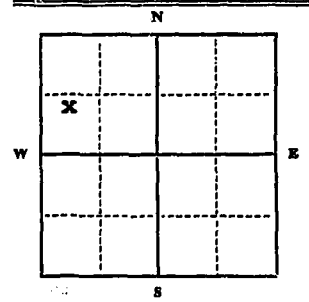
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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). Plat H4, Approx. 8 Acres

ESTIMATED ANNUAL WITHDRAWAL 10,512,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	6 5/8" OD x 1/4"	Plus 2	41	N O N E		



SW ¼ NW ¼ Sec. 3
T. 12 N R. 19 E
S W

Static water level Flowing ft.*
Pumping water level 25 ft.*
at 20 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by Air Lift Pump
for Two hours.
Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) A Seal Tip Packer is welded to bottom of six inch casing. Annulus between six & eight inch surface pipe cont'd

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

Driller's Signature LIBERTY DRILLING COMPANY
Wm F Delaney

Driller's Address 2500 Reserve Street
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) 4080'

From (Feet)	To (Feet)	
0	1	Topsoil
1	7	Topsoil with broken rock mixed in
7	373	Gray rock
373	387	Dark blue rock
387	403	Gray rock
403	423	Gray rock. 15 GPM
423	443	Gray rock. 7 GPM free flow over top of casing. Total 20 GPM

443' Show exact depth of bottom
Water rises in the well free flow over top of casing.

52,936

2-160

330685

I received and filed this instrument for record on the 16 day of August 1972 at 1:10 o'clock P M, permanent files of Missoula County, State of Montana
Witness my hand:
Doris L. Head County Recorder
By Doris L. Head Deputy
Fee $ 2.00 Paid

is grouted with four sacks of cement. All water entering well from cracks and seams in the rock below 423 feet.
Note: Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

JW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42262 3

3

File No.....

T. 12 N R. 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 28, 1915

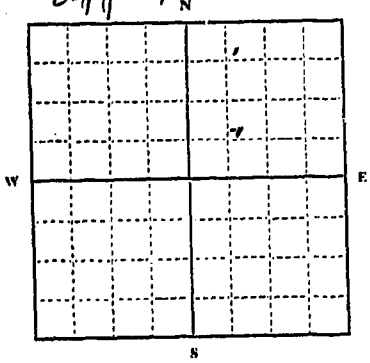
Owner Fred T. Parmelee Address 511 North Avenue, West

Contractor (if any) No Contractor

~~Address of Contractor~~ Private Property

Date Started..... Date Completed.....

approx. location



.....¼..... Sec. 3 T. 12 R. 19W

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Specifically two springs and any other water arising in this area and running into main stream.

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.....

Approximately 3 inches of water on two main springs plus any other water arising on this land.

Signature of Owner Fred T. Parmelee

Date December 31, 1963

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

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

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

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

20195

1075'

215550

I received and filed this instrument for record on the 31 day of Dec 1973 at 12 o'clock 2 M., permanent files of Missoula County, State of Montana.

Witness my hand:

MARTIN S. BEHNKE County Recorder

By [illegible] Deputy

Fee $ 2.00 Paid

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42199 3

4

File No.....

T. 12 R. 19W

DUPLICATE

County Missoula

RECEIVED
DEC 20 1963
STATE ENGINEER

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 January 1, 1945

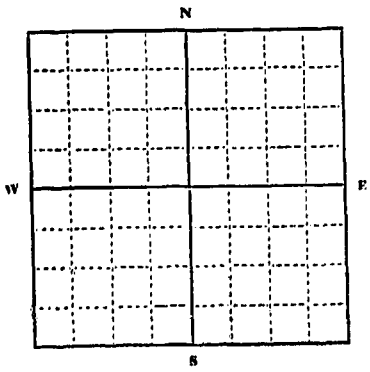
Owner Fairview Development Address 310 West Main

Contractor (if any) self

Address of Contractor same

Date Started approx 1960 Date Completed same

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable spring - pipe water from spring to stock tanks



.....¼..... Sec4..... T. 12 R. 19W

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

Approx. 450 gpm used all year

Signature of Owner Fairview Development Co. by R. Drivas, Pres

Date Dec 19-63

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

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

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

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

10911

447 214512

Copy

I received [illegible] instrument for record on the 19 day of Dec 1963 at 11:45 o'clock A. M. [illegible] Missoula County, State of Montana

Witness my hand:

MARTIN S. BRUNER, County Recorder

By [illegible] Deputy

Fee $ 3.00 Paid

G—Helena Independent Record

File No.....

DUPLICATE

T. 12 N. R. 19 W.

County. Missoula

4

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

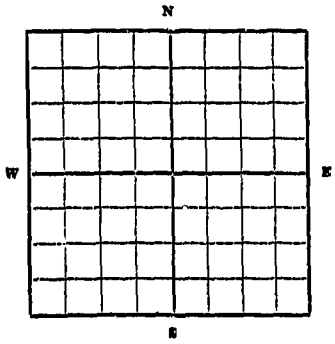
RECEIVED DEC 20 1963 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mosby's Leisure Highland, Inc., of 340 West Main, 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. 4 T. 12 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 furnish water for household use and stock watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Approx. 1890

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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 residential irrigation & stock water

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal gravity flow from bottom of well to lower ground at house and tanks

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approx. 1890

8. The depth of water table 15 - 20 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Approx 15 ft. deep

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

11. The log of formations encountered in the drilling of each well if available At 15' gravel and water

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record re: land acquired from Fairview Development Co. - 1963

Mosby's Leisure Highland Inc
Signature of Owner by C. D. Mosby Pres

Date Dec 19-63

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.

11912

444

214513

I received and filed this instrument for record on the 19 day of Dec 1967 at 10:40 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 $ 3.00 Paid

Helena Independent Record

4

File No.....

T 12 N R 19 W

DUPLICATE

County Missoula

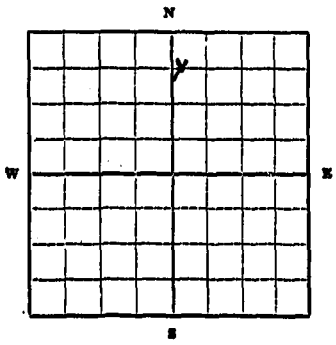
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 23 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George F. Weisel, Jr & Angela Weisel, of Pattee Canyon 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
NE¼ Sec. 4 T.12N R19 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 Stock watering and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 1959 and used continuously since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Variable from 1 gal to 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 1 acre pasture and vegetable garden on own land

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal water piped 500 feet frm near spring source, gravity fed.

7. The date of commencement and completion of the construction of the ~~well~~ wells, or other works for withdrawal of groundwater Pipe placed in April 1959

8. The depth of water table From spring

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

10. The estimated amount of groundwater withdrawn each year about an average of 5 gal per minute in spring, summer, fall

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

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
~~Water rights acquired from Mrs. Alloway~~
Water rights acquired from Mrs. Alloway Aug 1957 on purchase
Part of Lot 2 Plat B

Signature of Owner George F. Weisel Jr

Date 16 Sept 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.

6003

Copy

#271

21/003

I received and filed this instrument for record on the 19 day of Sept 1963 at 2:15 o'clock PM., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN S. BEPNER, County Recorder

By Diane Ahrman Deputy

Fee $2.00 Paid

G —Helena Independent Record

File No.....

T. 12 N R. 19 W.

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

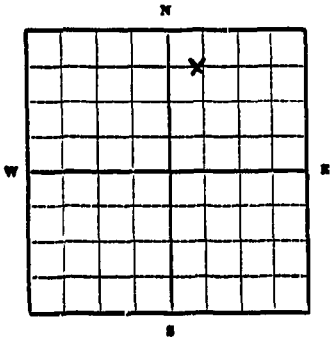
RECEIVED
SEP 23 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George F. Weisel, Jr. & Angela Weisel, of Pattee Canyon, 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
N.E.¼ Sec. 4 T. 12N 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 and yard irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 15, 1960 used continuously since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gals per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1/4 acre pasture on own ground

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Begun May 6, 1960, completed May 15, 1960

8. The depth of water table 60 feet and 44 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 121 feet deep, 6 inch I.D. pipe perforated at 64-65 feet and 66-67 feet

10. The estimated amount of groundwater withdrawn each year Near capacity of well

11. The log of formations encountered in the drilling of each well if available 5-22 ft. clay, gravel and boulders; 22-31 ft. clay and gravel, 31-34 ft. clay; 34-45 ft. sand, gravel and clay; 64 ft. 1/2 gal water per min.; 45-55 ft. clay and gravel; 55-60 ft. clay; 60-65 ft. gravel and clay; 2 gal water per min. at 60-65 ft; 65-104 ft. gravel and clay; 104-112 clay and gravel; 112-157 rock clay; 162-191 green rock

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

Signature of Owner George F. Weisel Jr.

Date 20 Sept 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.

6004.