Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
surface	23 ft	yellow clay
23 ft	46 ft	hard black soil
46 ft	85 ft	blue-green muck
85 ft	87 ft	gravel

I received and filed this instrument for record on the 13th day of Sept. 1961 at 4:45 o'clock P. M., permanent files of Missoula County, State of Montana

Witness my hand.

MARTIN S. BRINER County Recorder

By Jeanne Clarke Deputy

Fee $ 1.00 Paid

#68

18051/3

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
MAY 22 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Missoula 8

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 Paul Beccari

Address 125 Wapiktya Dr.
Missoula, Montana 59801

Date well started April 28, 1972
completed May 2, 1972

For Administrator's Use
File #2276, 316824
May 12, 1972 8:32 a.m.
GW 1

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

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

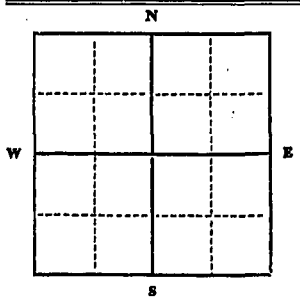
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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.	1'6" above g.l.	35½'	Power Saw slits 1/8" x 4"	35½'	150'
5" I.D. plastic liner		30'	150'			



Static water level 22 ft.*
Pumping water level 147 ft.*
at 15 gallons per minute,
measured 15 minutes after pumping began.
*Measured from ground level.
Well developed by test pump
for 2 hours.
Power Elec. Pump 1½ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

¼ S ¼ Sec. 8
T. 13 N/S R. 16 E/W

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: Potomac Area
0	6	Clay
6	22	Clay & Gravel
22	35	Light tan shale
35	90	Blue Gray Shale & Water
90	95	Gray Shale & Water
95	103	Dark Brown Shale & Water
103	112	Blue Gray Shale
112	138	Dark Brown Shale
138	143	Gray Shale
143	148	Light Brown Shale
148	150	Gray Shale

150' Show exact depth of bottom

59427

2276 316824

I received and filed this instrument for record on the 11 day of May 1972 at 8:32 o'clock M. permanent files of Missoula County, State of Montana

Witness my hand

Vernance R. Crouse, County Recorder

By Marie Nuckolls Deputy

Fee $2.00 Ck Paid

GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JUN 26 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Missoula 8

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 Eugene Miller

Address Bonner, Montana

For Administrator's Use
File #2296 — 318439
June 22, 1972 11:30 a.m.
GW 1

Date well started June 2, 1972

completed June 10, 1972

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

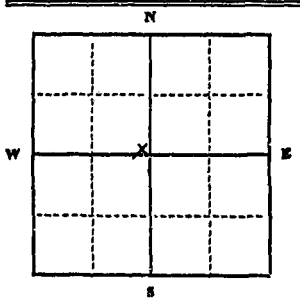
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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#	1½ up	92			
	5" 14#	89	110	burned 1/8x4	95	110



Static water level Flowing ft.*
Pumping water level 95 ft.*
at 10 gallons per minute,
measured 120 minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for 5 hours.
Power ---- Pump ---- HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) ----

¼ SW ¼ Sec. 8
T. 13 (N) R. 16 (W)

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

Driller's Signature Charles F. Hellenstein

Driller's Address C.K.C. Drilling, P.O. Box 670,
soula, Montana LICENSE NO. 185

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	12	Broken rock and clay
12	12	Seep of water (about 2½ G.P.M.)
12	72	Clay (various colors)
72	84	Broken rock and clay
84	86	White shale and clay
86	108	Red rock and clay
108	110	White rock and water

110 Show exact depth of bottom

50,212

2296

318439

I received and filed this instrument for record on the 22 day of June 19 77 at 11:30 o'clock A.M. permanent files of Missoula County State of Montana

Witness my hand

Vernon R. Brooks County Recorder

By Marty L. Hall Deputy

Fee 1.00 Paid cash

GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
MAY 14 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Missoula 8

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 Gary Tobol

Address Potomac, Montana 59862

Date well started April 3, 1973

completed April 13, 1973

For Administrator's Use
File 24R1:33839
May 10, 1973
GW 1 2:00 p.m.

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

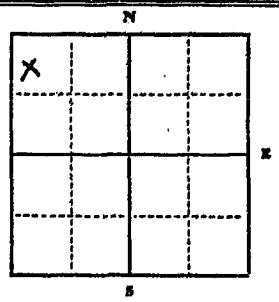
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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.	1'6" above g.l.	230'		none	



NW¼ NW¼ Sec. 8
T. 13 N/S R. 16 E/W

Static water level Flows 4 gpm
Pumping water level 176 ft.*
at 25 gallons per minute,
measured 40 minutes after pumping began.
*Measured from ground level.
Well developed by compressor
for 2 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 St. Missoula, Montana 59801

Gary L. Tobol 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)	
0	108	Clay, Gravel & Broken Rock
108	148	Clay & Broken Rock
148	156	Broken Rock & Small Seep of Water
156	220	Clay and Broken Rock
220	265	Rock
265	268	Rock & Water
268	305	Rock
305	311	Rock & Water

311' Show exact depth of bottom

53, 131

248-1 33153 7

I received and filed this instrument for record on the 10th day of May 1973 at 2:00 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

Dorothy L. Head, County Recorder

By Mrs. Mc Conaughey, Deputy

Fee $2.00 Paid

RECEIVED
JUN 13 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

8

GW 2 Revised 1969
STATE PUBLISHING COMPANY

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 Lester D. Zimmerman

Address Potomac, Montana

Date well started May 2, 1972

completed May 5, 1972

For Administrator's Use
File #2291-317993
June 13, 1972 4:35 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 ☐

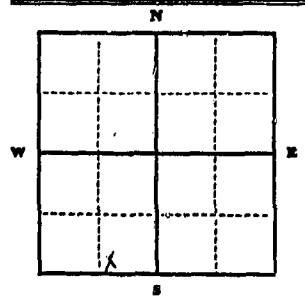
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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.	1'6" above g.l.	47'7"			
5" I.D. liner	5" I.D. plastic	45'	100'	Cut 1/8" x 5"	45'	100'



Static water level 21 ft.*
Pumping water level 95 ft.*
at 14 gallons per minute,
measured 15 minutes after pumping began.
*Measured from ground level.
Well developed by test pump
for 2½ hours.
Power Elec Pump 1½ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

¼ SW¼ Sec. 8
T. 13 N ~~S~~ R. 16 ~~E~~ W

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)	
0	8	Clay & Gravel
8	22	Clay, Rock & Gravel
22	26	Tan Shale
26	28	Blue Gray Shale
28	51	Dark Gray Shale
51	79	Blue Gray Shale & Water
79	81	Dark Brown Shale & Water
81	83	Blue Gray Shale & Water
83	96	Dark Brown Shale & Water
96	100	Gray Shale

Show exact depth of bottom

50,615

4-0291

317973

I received and filed this instrument for record on the 13 day of June 1973 at 4:35 o'clock P.M. and it is ~~recorded in vol. ... of~~ ~~Records of the~~ County of Missoula, State of Montana on ~~page ...~~

Witness my hand.

Veramae R. Crouse, County Recorder

By Linda S. Johnson Deputy

Fee $2.00 cash Paid

Return to ...

Address ... X

GW 1

File No.....

DUPLICATE

T. 13 N R. 16 W

County Missoula

10

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 22 1963
STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, Roy B. Wills, of Potomac (Town)
(Name of Appropriator) (Address)
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
Stock water & possibly house water if any
(describe lands to be benefited, if for irrigation)

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

4. The annual period (inclusive dates) of intended use Yearly - especially winter

5. The probable or intended date of first beneficial use Spring of 1964

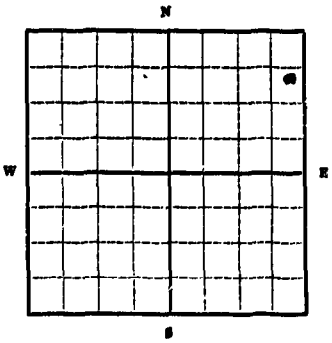
6. The probable or intended date of commencement and completion of the well* or wells*
December to start operation & completed in Spring of 1964

7. The location, type, size and depth of well or wells contemplated It is a spring north of present building to be piped down to corral to be constructed

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

9. Name, address and license number of the driller engaged None

10. Give such other similar information as may be useful in carrying out the policy of this act
This is a spring that is being developed for stock water for lower pasture - has been used as is for past 30 years.



N.E. ¼ Sec. 10 T. 13 R. 16
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Roy B Wills

Date Nov. 20, 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 artifically 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 School of Mines and Quadruplicate for the Appropriator.

7432

977

213265

I received and filed this instrument for record on the 20 day of Nov 1963 at 4:00 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 $ 3.00 Paid

GW3

File No.....

T. 13 N R. 16 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 10 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1925

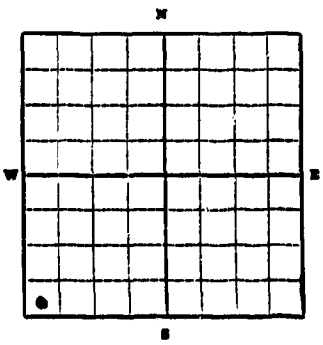
Owner Marshall Brondum Address Potomac, Montana

Contractor (if any) None

Address of Contractor None

Date Started 1925 Date Completed Unknown

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable Two springs running water through 1 inch pipe after being dug by hand to 6 feet deep. Water is at ground level.



.....¼..... Sec. 11 T. 13 R. 16

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 Water runs through 1 inch pipe continuously and is used to water livestock and for domestic use.

Signature of Owner Marshall Brondum

Date Dec. 3, 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.

5373

373

213966

Copy

I received and filed this instrument for record on the 9 day of Dec. 1967 at 1:10 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—38687

File No..... NW¼NW¼SE¼, Section 13, T. 13N. R. 16

DUPLICATE

County.....

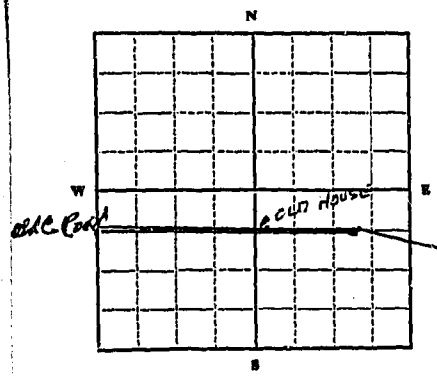
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

We, Russell E. Hall and Muriel J. Hall, of Potomac
(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..... 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 livestock, garden, and lawn

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 75 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 garden and lawn--one acre

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump in NW¼NW¼SE¼, 13-13-16, Plat H-1 and A; electrical pump draws water in pipe.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1909

8. The depth of water table 8 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 the well when dug was 20 ft. deep.

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

11. The log of formations encountered in the drilling of each well if available gravel and 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 The old county road runs just to the south of an old house on the foregoing property.

Russell E Hall
Signature of Owner Muriel J. Hall

Date December 18, 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.

15164

562 214864

Copy

I received and filed this instrument for record on the 26 day of Dec 1963 at 10:34 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN S. BEHNER, County Recorder

By Martin S. Behner Deputy

Fee $2.00 Paid

GW

Approved Stock Form—State Publishing Co., Helena, Montana—38687

File No. SW¼NW¼SE¼ Section 13, T. 13 N, R. 16

DUPLICATE

County Missoula

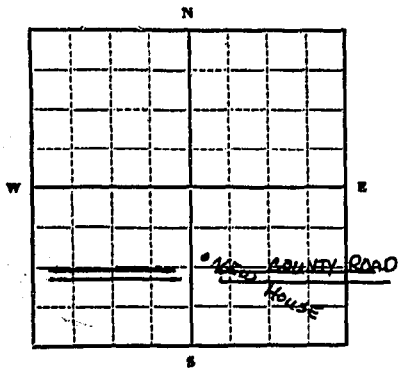
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED DEC 30 1963 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Russell E. Hall and Muriel J. Hall, of Potomac
(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..... 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, livestock, garden, and lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1942; in continuance flow since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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
1½ acres, garden and lawn

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Pump and galvanized iron pipe running in a northwesterly direction to a stock water trough and for irrigation.

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

8. The depth of water table 16 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 drill well, 6" casing, 242 ft. deep

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

11. The log of formations encountered in the drilling of each well if available Gravel and different formations of clay to thin hard pan.

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 Russell E Hall
Muriel J. Hall

Date Dec. 24 - 1963

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

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

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

15165

563 214865

Copy

I received and filed this instrument for record on the 26 day of Dec 19 63 at 10 24 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 $ 2.00 Paid

GW 3

File No.....

DUPLICATE

T. 13 N R. 16 W

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)

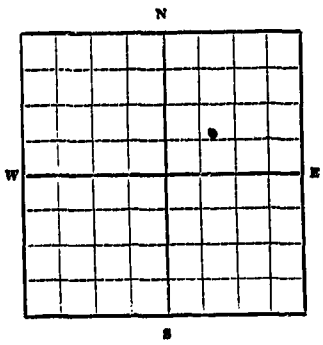
Date of Appropriation of Groundwater 1913

Owner Nina G., Eugene A and Robert G. Hall Address Potomac, Montana

Contractor (if any) None

Address of Contractor None

Date Started 1913 Date Completed 1913



SW¼, NE¼ Sec. 13 T. 13 R. 16

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. Cemented walls connected by pipe line approx 200 feet to dwelling. Gravity flow plus shallow-well pump. Depth of boxed spring 8 feet.

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 25 gal per minute measured and timed by clock. Used in dwelling pump house, corral + barn water. Also water lawn in summer.

Signature of Owner Robert G. Hall

Date December 27, 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.

20456

337

215894

I received and filed this instrument for
record on the 2 day of Jan 64
at 1:36 o'clock P.M., Permanent Files
of Missoula County, State of Montana

Witness my hand:
MARTIN S. SHINER County Recorder
By Ethel Lane Deputy
Fee $ 2.00 Paid

G —Helena Independent Record

File No.

DUPLICATE

T 13 N R 16 W

County Missoula

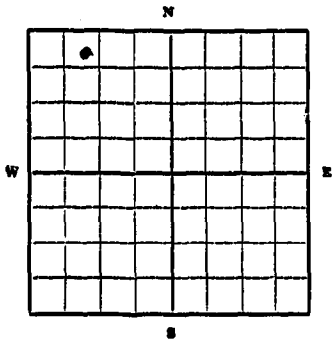
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 10 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Marshall Brondum (Name of Appropriator), of Potomac (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. 14 T 13 R 16

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

2. The beneficial use on which the claim is based For household purposes.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1910. Continuous from that date.

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Unknown. Electric pump used for drawing water.

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 Hand dug, 16 feet deep, 8 inch soil pipe, electric pump used for withdrawal of water.

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

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 Marshall Brondum

Date Nov. 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.

8272

372

213 915

Copy

I received and filed this instrument for record on the 9 day of Dec 1970 at 1:00 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 3

File No.....

T. 13 N R. 16 W 14

DUPLICATE

County Missoula

RECEIVED
DEC 10 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)

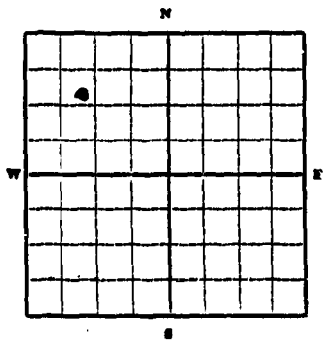
Date of Appropriation of Groundwater 1900

Owner Marshall Brondum Address Potomac, Montana

Contractor (if any) None

Address of Contractor None

Date Started Natural Date Completed Not applicable.



.....¼..... Sec. 14 T. 13 R. 16

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. Natural spring flowing through road culvert under Montana Highway and 20/into a 1 inch pipe.

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 Water runs through 1 inch pipe continuously and is used to water livestock and to irrigate pasture lands.

Signature of Owner Marshall Brondum

Date Dec. 3, 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.

6275

213968

375

Copy

I received and filed this instrument for record on the 7th day of Dec 1968 at 1:20 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNER, County Recorder

By Martin S. Behner, County

Fee $ 2.00 Paid

GW.

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

14

File No.

T. 13 R. 16 West

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964
STATE ENGINEER

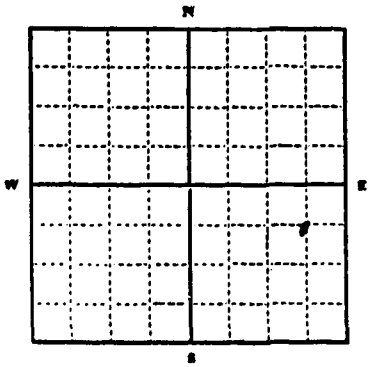
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Leonard E Cook & Hazel B Cook of Potomac Montana
(Name of Appropriator) (Address) (Town)

County of Missoula State of Montana Potomac

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



NE ¼ SE Sec 14 T. 13 R. 16 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 and irrigating lawn & garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Has been used for a good many years (Continuous)

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gals per min when irrigating lawn or 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 Plat R Sec 14 T.S.13. R 16 West Leonard E & Hazel B Cook

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump 1 H.P. motor.

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

8. The depth of water table Fifty Feet (65') & under.

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 75'. eight" Casing

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

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 Dam just no log book

Signature of Owner Leonard E Cook

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.

20113

993 - 2154 67

I received and filed this instrument for record on the 21 day of Dec 1967 at 2:30 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

MARVIN S. BENNETT, County Recorder

By Marion L. Nelson Deputy

Fee $ 2.00 Paid

GW 3

File No.....

T. 13 N R. 16 W 14

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 13 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater APRIL 1956

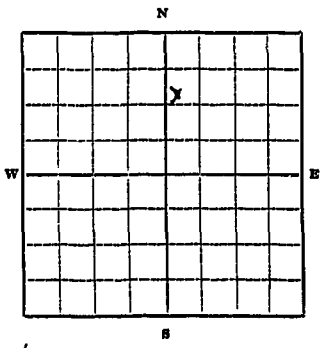
Owner NICK GABRIEL Address POTOMAC MONT.

Contractor (if any) NICK GABRIEL

Address of Contractor TWIN CREEK, MONT

Date Started APRIL 1956 Date Completed APRIL 1956

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. SPRING - 15 FT DEEP GRAVITY FED



SW¼ NW¼ ¼ ¼NE¼ Sec. 14 T 13N R. 16W

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

100 GAL PER DAY USED DAILY

Signature of Owner Nelson Bert Jones

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.

31419

1-49 216009

copy

I received and filed this instrument for record on the 6 day of Jan 1949 at 3:00 o'clock P.M., permanent files of Missoula County, State of Montana

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

GV

Approved Stock Form—State Publishing Co., Helena, Montana—38687

File No. ..... SE¼ NW¼, SE¼ Sec. 14 T. 13 R. 16 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

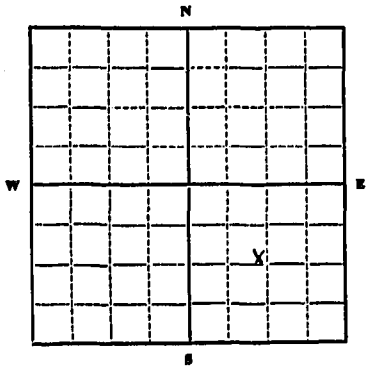
RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. HENRY F. HAYES, ~~BESSIE HAYES~~, ~~BONITA HAYES and T. H. HAYES~~, of Potomac, 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:



.....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 For domestic use at the home of Henry F. Hayes.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June, 1894, and continuously thereafter up to the present time

4. The amount of groundwater claimed (in miner's inches or gallons per minute) twenty (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 Only use for irrigation is occasionally in the yard at the house

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal A Spring in the Southeast Quarter of the Northwest Quarter (SE¼NW¼) of the Southeast Quarter (SE¼) of Section 17, Township 13 North, Range 16 West, and an electrical pump pumping the water at rate of 20 gals. a minute through a galvanized pipe about 220 ft. in an easterly direction to the residence of Henry F. Hayes.*

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater About June, 1894

8. The depth of water table Two (2) to Four (4) 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 No other wells used for this purpose

10. The estimated amount of groundwater withdrawn each year Continuous flow of approximately Twenty (20) inches.

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

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 of this appropriation

*On said described land, which residence is about 150 feet East of the East side line of said described premises.

Signature of Owner Henry Hayes

Date Dec. 17, 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.

15166

564

214866

Copy

I received and filed this instrument for record on the 26 day of Dec 1963 at 10:38 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

4—Helena Independent Record

File No.....

T 13 N R 16 W 14

DUPLICATE

County.....

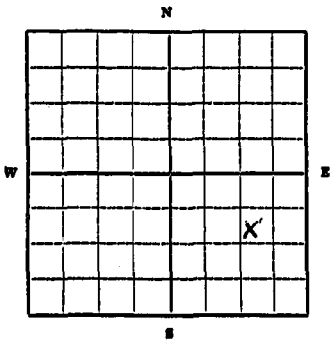
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1964 STATE ...

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hayes Pat and Estella ~~Jerry Jay~~, of Potomac
(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:



NE¼SE¼ Sec 14 T 13 R 16

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August, 1957 continual use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 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 ½ acre owned by Pat and Estella Hayes ½ acre owned by Jay Jerry

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater completed June 25, 1957

8. The depth of water table 60 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 well was drilled to a depth of 110 ft with a six inch casing above 60 ft.

10. The estimated amount of groundwater withdrawn each year 1,000,000 gallons

11. The log of formations encountered in the drilling of each well if available drilled by Glenn Cump, Missoula No log kept of formations encountered

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 Pat Hayes

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.

20016

P17 215225

I received and filed this instrument for record on the 20 day of Dec 1987 at 3:22 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARVIN S. BEHNEA, County Recorder

By Marie S. Behnea Deputy

Fee $ 12-

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

File No. _____ T. 13 N R. 16 W

DUPLICATE County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1964 STATE ENGINEER

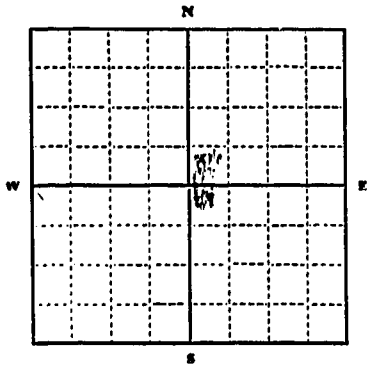
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Raymond L. Koch + Ruth H. Koch, of Potomac
(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 SE Sec. 14 T. 13 R. 16 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 + slightly under 1 acre for lawn etc.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1959 constantly from time drilled

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

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 just under a acre for irrigation Plat H + H D 4 Raymond + Ruth H. Koch

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 6/1959

8. The depth of water table about 104'

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 - 112 ft cased 6" 8" + 6" casing

10. The estimated amount of groundwater withdrawn each year 2 or 000 gal house + irrig.

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

0-2 black dirt
2-19 tan clay + gravel
19-59 - tan clay
59-74 tan lake - water
74-96 - gray sandstone - water
96-103 tan lake - water
103-110 - gray sandstone - water
110-112 blue 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 None

Drilled by Liberty Well Drilling South 73 Bill Osborne

Signature of Owner Ray L. + Ruth H. Koch

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.

2095

990 215464

I received and filed this instrument for record on the 27 day of Dec 1963 at 2:14 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand.

MARTIN S. BEHNER County Recorder

By Mabel Stehner Deputy

Fee $ 2.00 Paid

GW 4

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

14

File No.

T. 13N R. 16W

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 13 1964
STATE ENGINEER

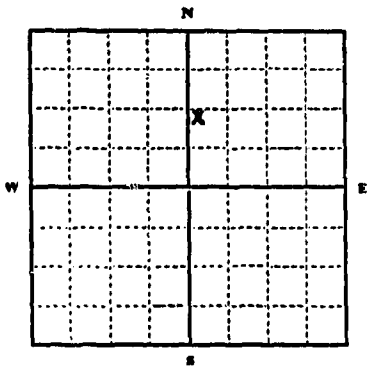
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. PRIMEAU AND BRUCKER, of POTOMAC, MONT
(Name of Appropriator) (Address) (Town)

County of MISSOULA State of MONTANA

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



NW¼ SW¼ NE¼ Sec. 14 T13N R16W

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

2. The beneficial use on which the claim is based HOUSEHOLD AND BUSINESS USE

3. Date or approximate date of earliest beneficial use; and how continuous the use has been FEB 1949 - USED DAILY FROM THAT DATE

4. The amount of groundwater claimed (in miner's inches or gallons per minute) TEN 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 No

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

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

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 DRILLED WELL - 165 FT DEEP 6" CASING

10. The estimated amount of groundwater withdrawn each year 150 GAL PER DAY

11. The log of formations encountered in the drilling of each well if available GREY FORMATION WITH VERY LITTLE GRAVEL

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

Signature of Owner Albert L. Jones

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.

31420

350

216010

Copy

I received and filed this instrument for record on the 6 day of Jan. 19[illegible] at 3:10 o'clock P.M., pursuant to law of Missoula County, State of Montana.

Witness my hand:

MARTIN E. BRENNER, County Recorder

By Ethel [illegible], Deputy

Fee $2.00 Paid

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

File No. .....

T. 13 N R. 16 W

DUPLICATE

County MISSOULA

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1964 STATE ENGINEER

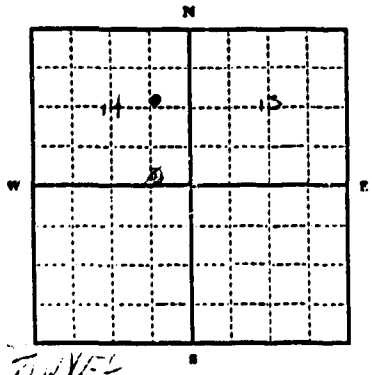
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I School Dist #11, of Potomac
(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/4 NW/4 Sec. 14 T. 13 R. 16

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 [illegible]

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1949 [illegible] continuously since -

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 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 School yard 1 acre

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 Commenced 1949 - Completed 1949

8. The depth of water table [illegible]

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" well, Depth 285 feet

10. The estimated amount of groundwater withdrawn each year [illegible]

11. The log of formations encountered in the drilling of each well if available Gravel to clay Clay to Sand & Gravel

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Minutes of School Dist #11 Potomac, Montana

School Dist #11 Potomac Mont.

Signature of Owner Robert G Hall, Chr.

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.

20455

1336 215893

Copy

I received and filed this instrument for record on the 2 day of Jan 1964 at 1:34 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

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—39318 3

File No.....

T. 13 N R. 16 W 14

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED FEB 1 1965 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 20' Dug hole

20' to 35' Sandy clay & gravel

35' to 56' Silty sand clay (dirty water)

56' to 63' Yellow clay

63' to 96' Soft grey shale & water

96' to 103' Soft yellow shale & water

Owner Beulah Wills Address Potomac, Montana

Driller Glenn Camp 705 Alder Address Missoula, Montana

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

Date well started 10/23/64 Date Completed 10/26/64

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 feet	8" above G.L. to 65'-8" open hole to 103'		None		

N

W E

S

SW¼ NE¼ SE¼ Sec. 14 T. 13 N R. 16 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 21' feet.

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

Pumping Water Level 44 feet at 15 gal. per minute.

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

How Tested Test pump Length of Test 3 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).....

Beulah F. Wills appropriator

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.

38922

1473

232 114

I received and filed this instrument for record on the 28 day of Jan 1965 at 3:30 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Crouse, County Recorder

By Jane Buchwald, Deputy

Fee $2.00 Paid

GW 2

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

File No.....

T. 13 N R. 16 W

TRIPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JUL 1 1965 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 15' Clay & gravel

15' to 28' Silty Sand & clay (a little water)

28' to 64' Silty sand & gravel (silty water)

64' to 68' Yellow clay

68' to 132' Soft grey Shale & water

Owner Roy O. Wills Address Potomac, Montana

Driller Glenn Camp 705 Alder Address Missoula, Montana

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

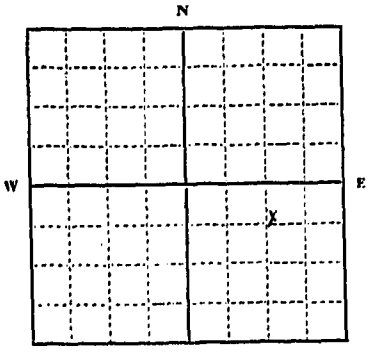
Date well started 10/20/64 Date Completed 10/23/64

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

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'-4" above G.L. to 68'-11" open hole to 132'			none	



Nt. ¼ Nt. ¼ Sec. 14 T. 13 R. 16

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 115 feet.

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

Pumping Water Level 28 feet at 15 gal. per minute.

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

How Tested pump 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)

Picked up samll amounts of water from 68' to 132' in narrow seams.

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.

39262

Licence # 7

to 132' in narrow seams.

Picked up small amounts of water from 68'

	Sand		2 hours
		20	15
	15		
	132'		
	open hole to		none
	feet		
	18.97# to	68'-11"	
		1'-4" above G.L.	
6"	6" I.D.		

0 sand		
68' to 132' soft gray		
64' to 68' Yellow clay	Drilled	Chuck drill
4 gravel (milky water)	10/20/64	10/25/64
28' to 64' silty sand		
4 clay (a little water)	Glenn Camp 705 Alder	Missoula, Montana
15' to 28' silty sand	Ray O'Neill	Potomac, Montana
0 gravel		
15' Clay		

I received and filed this instrument of record on the 27 day of June 19 64 at 2:30 o'clock P.M., permanent file of Missoula County, State of Montana

Witness my hand:

Veronne R. Cross, County Recorder

By Dorothy A. Thomas Deputy

Fee $ 2.00 Paid

238430

GW 3

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

16

File No.....

T. 13 N. R. 16 W

County MISSOULA

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JUN 23 1969

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 5 JUNE 1969

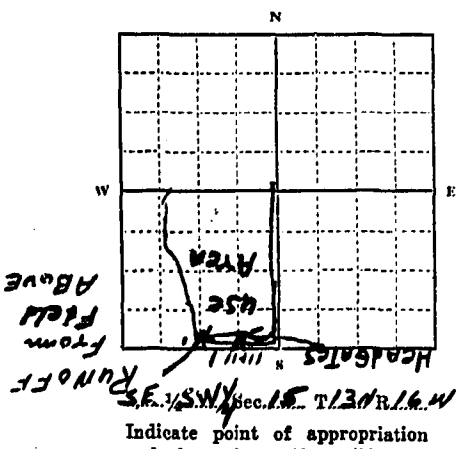
Owner Roy R. Wills Address Potomac

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 natural run off since storage dam was constructed on above water, there has been much more water.



SE. 1/4 SW 1/4 Sec. 15 T. 13 N. R. 16 W.

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. Quanity varies from aprox. 40" to 0" from May 1 thru August 1

Signature of Owner Roy R Wills

Date 5 JUNE 1969

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.

45,347

1902 282289

I received and filed this Instrument for record on the 19th day of June 1969 at 1:05 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

GW 2

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

File No.....

T 13N R 16W 15

DUPLICATE

County Missoula

RECEIVED SEP 30 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 35' Clay & gravel
35' to 38' Shale,clay & water
38' to 68' Clay & gravel
68' to 72' Shale
72' to 77' Shale ,gravel & water

Owner Roy R. Bill Wills Address Potomac, Montana

Driller Glenn Camp 705 Alder Address Missoula,Mont

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

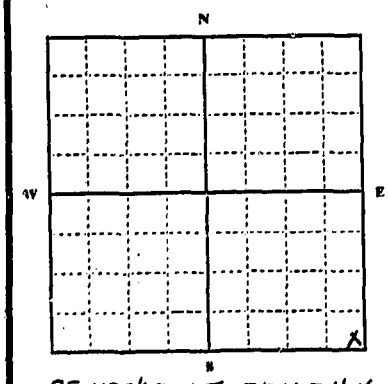
Date well started July 10,1964 Date Completed July 13,1964

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)
6"	6" I.D. 18.97 # to feet	1' above G.L. to 72'-11" 5' open hole in shale rock		None		



SE 1/4 SE 1/4 Sec 16 T 13 N R 16 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 27' from G.L. feet.

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

Pumping Water Level 67 feet at 8 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).....

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.

38502

1447 226950

I received and filed this Instrument for record on the 25 day of Sept. 19 64 at 11:25 o'clock A. M., permanent files of Missoula County, State of Montana

Witness my hand:

Vivance R. Croson County Recorder

By Veranne R. Croson, Deputy

Fee $ 2.00 Paid

GW 2

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

15

File No.....

T 13 N R 16 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED AUG 26 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 5' Top soil

5' 25' Clay

25' to 29' Sand & gravel

29' to 40' Water, sand & gravel

40' to 55' Clay

55' to 90' Shale

90' to 94' Sandstone, water & clay

94' 95' water, sand & gravel

95' to 123' Shale & clay

Owner Roy Mills Address Potomac, Montana

Driller Glenn Camp 705 Alder Address Missoula, Mont

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

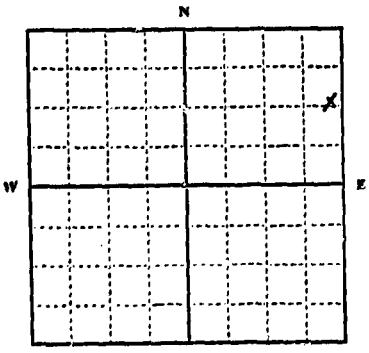
Date well started 7/15/63 Date Completed 7/22/63

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)
6"	6" I.D. 1½ lbs	1' above G.L.	to 95'-1"		None	



NE ¼ NE Sec. 15 T. 13 N R. 16 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 15' from G.L. feet.

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

Pumping Water Level 90 feet at 8 gal. per minute.

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

How Tested Bailer 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.

5546.

250 = copy to 20996 R

I-received and filed this instrument for record on the 22 day of Aug 1963 at 11:30 o'clock A.M., permanent files of Missoula County, State of Montana.

Witness my hand:

MARTIN S. BENNER, County Recorder

By Darlene Repp Deputy

Fee $ 2.00 Paid

GW 2

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

File No.

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
MAY 9 1969

T. 13N R. 16W

County Missoula

16

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 - 1 Gravel & topsoil mixed.
1 - 8 Gravel & cobblestones mixed.
8 - 21 Fine sand & gravel.
21 - 44 Fine to coarse gravel mixed with clay.
44 - 49 Cobblestones & gravel imbedded in clay.
49 - 51 Fine sand & gravel.
51 - 73 Gravel imbedded in gray clay.
73 - 78 Fine sand and gravel.
78 - 94 Gravel imbedded in tan clay.
94 - 102 Clean coarse gravel. Water.

Water rises in the well 71'6" from surface.

Owner Filja E. Wiseman Meaks Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

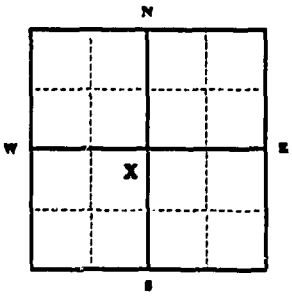
Date well started 4/21/69 Date completed 4/25/69

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"	2'2"	102	N O N E		



Static Water Level for non-flowing well 71'6" feet.

Shut-in Pressure for Flowing Well None.

Pumping Water Level 84 feet at 75 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Three hours

Remarks: (Gravel packing, cementing, packers, type of shutoff). All water entering well is coming through open bottom of six inch casing. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

NE¼SW Sec. 16 T. 13N R. 16W

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).

Lots 12 and 13, Block 3, West Riverside

Show exact depth of bottom.

Bottom of well 102'

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

4-5-196

1879 280985

I received and filed this Instrument for record on the 6 day of May 1967 at 3:30 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

GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JUN 7 1973

County Missoula 18

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 Tom Wells

Address Blackfoot

Date well started 5-29-73

completed 5-31-73

For Administrator's Use
File 2492; 332758
JUNE 1, 1973
GW 1 1:04 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 ☐

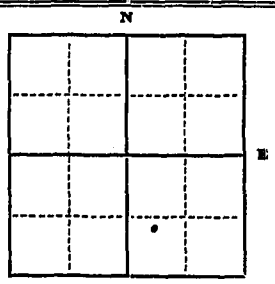
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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).

ESTIMATED ANNUAL WITHDRAWAL unknown

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	17 lb. per ft.	+1	200	none		
From 10' to 260'						
P.V.C. 4"liner installed					260	160



Static water level 87 ft.*
Pumping water level ft.*
at 10 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by air compressor
for 3½ hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

E½ Sec. 18
T. 13 N R. 16 E
Lot #6

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

Driller's Signature Bob Jerome

Driller's Address 3726 Mount Ave., Missoula, Mt. 59801

LICENSE NO. 249

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) 3500

From (Feet)	To (Feet)	
0	10	Soil & rock
10	75	Blue clay
75	100	Brown clay with carbon layers
100	150	Blue & grey clay
150	190	Brown clay with carbon layers
190	200	Grey shale
200	220	Grey shale with carbon layers
220	245	Grey shale
245	260	Grey shale with water @ 248 ft.

260' Show exact depth of bottom

53,393.

2492 332738

I received and filed this instrument for record on the 1st day of June 1973 at 1:04 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

Dorothy L. Head, County Recorder

By M M Conaughey, Deputy

Fee $2.00 Paid

GW 3

File No.....

T. 13 N R. 16 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)

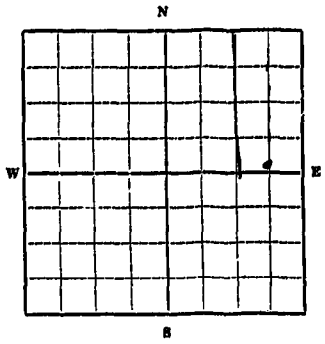
Date of Appropriation of Groundwater 1910

Owner [illegible] Address 2517 Riovista Dr Missoula, Mont

Contractor (if any) NOT applicable

Address of Contractor NOT applicable

Date Started NOT applicable Date Completed not applicable



SE ¼ NW ¼ Sec 21 T. 13 R. 16

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. Sub irrigation and other natural processes water issues to surface of ground in springs called "Pruyn Ranch Springs"

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 30 miner inches of water used year round for irrigation and stock water measured flow in ditch and estimated

Signature of Owner W. B. Pruyn

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.

19952

752

215160

copy

I received and filed this instrument for record on the 30 day of Dec 1960 at 12:40 o'clock P.M., permanent Mins of Missoula County, State of Montana

Witness my hand:
MARTIN S. BINNER, County Recorder

By Ethel Lane Deputy

Fee $ 2.00 Paid

GROUNDWATER INDEX

Page ___

County Missoula Twp. 13 North Rge. 15 West

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
7	Case, Arnold H.	GW 3	245470	
12	Forest & Conservation Station	GW 4	190473	
13	Case, Arnold H.	GW 3	245476	
14	Hall, Luth H.	GW 4	215368	
15	Case, Arnold H.	GW 3	245475	
16	Case, Arnold H.	GW 3	245474	
17	Case, Arnold H	GW 3	245472	
17	Case, Arnold H.	GW 3	245471	
17	Case, Arnold H.	GW 2	307775	
18	Case, Arnold H	GW 4	245473	
20	Pioneer Cattle & Land Co	GW 2	302338	
21	Clay, Jack J	GW 2	329201	
21	Clay, Jack J	GW 2	329202	
21	McKisell, Raymond H.	GW 2	298139	
21	Pelson, Sidney	GW 2	329304	
28	Copenhaver, John D.	GW 1	334041	filed GW-1 & No GW 2
28	Hagstoty John	GW 4	215462	
28	Montgomery, Lurry	GW 2	331035	
28	Pioneer Cattle & Land Co	GW 3	302337	
28	Pioneer Cattle & Land Co	GW 2	295325	
30	Curry Robert B. (M.D.)	GW 2	294246	
30	Pioneer Cattle & Land Co	GW 2	295626	
31	Seeley, Charles L.	GW 2	300859	
34	Adams, Lloyd	GW 2	295429	
34	Wood, Tedne	GW 4	215491	

STATE WATER CONSERVATION BOARD

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

File No. _____ T. 13 N R. 15 W

DUPLICATE _____ 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 1902

Owner Arnold H Case Address Potomac, Montana

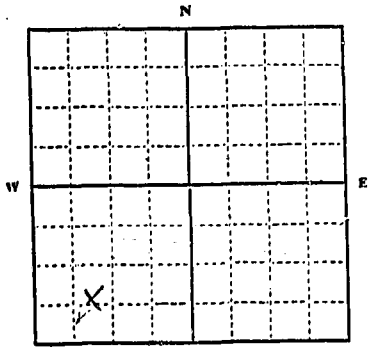
Contractor (if any) _____

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

Free flowing spring used for stock water.



SW ¼ SW ¼ Sec. 7 T. 13 R. 15W

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

Signature of Owner Arnold H Case

Date 12-28-65

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.

Ho 330

#1551

245470

I received and filed this Instrument for record on the 30 day of Dec 1965 at 3:00 o'clock P M. permanent files of Missoula County, State of Montana

Witness my hand:

Vernice R. Crouse, County Recorder

By Doretta A. Rennie Deputy

Fee $ 3.00 Check Paid

File No.....

DUPLICATE

T. 13 N R. 15 W

County Missoula

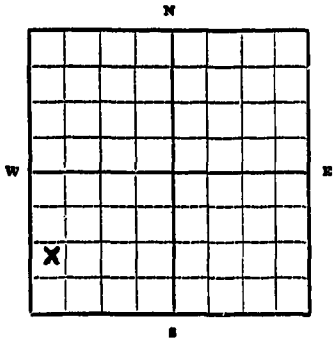
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. The Forest and Conservation Experiment Station, School of Forestry, Montana State University
(Name of Appropriator) (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, SW¼SW¼ Sec. 12. T.13N R.15W

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 Lubricant Forest Camp water supply

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1954 continuous use. Heavy use each year during period March through June, moderate use July during September

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 35 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 applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump, 5 h.p., located in NW¼, SW¼, SW¼, Sec. 12, T 13 N, R 15 W

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 6 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 developed well, encased with concrete pipe 4' in diameter and 12' deep

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

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 applicable

The Forest and Conservation Experiment Station, School of Forestry
Montana State University
By: Ross A. Williams, Director

Signature of Owner Ross Williams

Date 2/8/61

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 School of Mines and Quadruplicate for the Appropriator.

1655

190473

I received and filed this instrument for record on the 6th day of May 1962 at 10:27 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEINER, County Recorder
By Evelyn D. Wilber Deputy
Fee $ M. Fee Paid

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

File NSTATE WATER CONSERVATION BOARD

T. 13 N R. 15 W

13

DUPLICATE JAN 4 1966

County

Bille McDermott
Butcher McNally
Coyle
Dorlaton Sullivan
Dickert

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 1933

Owner Arnold H Case Address Potomac, Mont.

Contractor (if any)

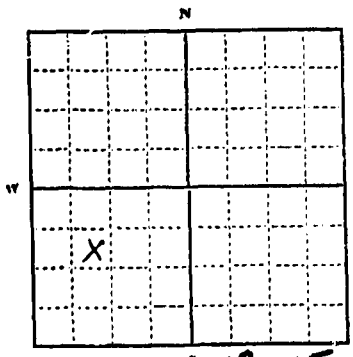
Address of Contractor

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

Free flowing spring issuing on this property. Used thruout grazing season

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



13 15

PTS W ¼ Sec 12 T. 13 R. 15

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

Signature of Owner Arnold H. Case

Date 12-28-1965

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.

40460

E 1557

245476

I received and filed this instrument for record on the 30 day of Dec 1981 at 9:15 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

Vetamae R. Crouse, County Recorder

By [illegible] Deputy

Fee $ [illegible] Paid