—Helena Independent Record

File No.....

T. 13 N R. 15 W #14

DUPLICATE

County.....

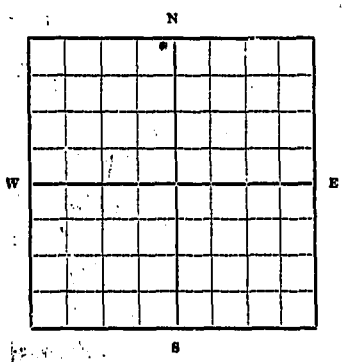
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ruth N. Hall (Name of Appropriator), of Greenough P.O. - Greenough (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW ¼ Sec. 14 T. 13 R. 15

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 - Continuous use May 27.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) I do not know - not too much water available.

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 Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Summer of 1950 - completed as soon as possible.

8. The depth of water table Not known - all information available shown in #9.

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 information available to me - well drilled 117 feet - 10 inch steel casing threaded and coupled, casing point, down 97 feet and gravel the rest of the way.

10. The estimated amount of groundwater withdrawn each year Neither - Household use

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 The above is all the information given to me.

Signature of Owner Ruth N. Hall

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.

17685

995

215368

Copy

I received and filed this instrument in record on the 30 day of Dec. 1963 at 1:32 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN E. BENNETT County Recorder

By Martha Shelton Deputy

Fee $3.00 Paid

W 3

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

File No.....

T. 13 N R. 15 W

Missoula

County.....

STATE WATER CONSERVATION BOARD

DUPLICATE

JAN 4 1966

Bille
Butzerin
Coyle
Darlinton
Dick

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 Gore Address Potomac

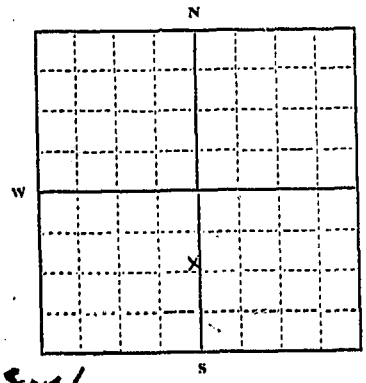
Contractor (if any) .....

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.....

This spring is free flowing. Rises about 1100 ft. of elevation in 1 mi. through rock grown over.



SW ¼ Sec. 15 T. 13 R. 15

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 Gore

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.

40461

#56

245475

I received and filed this Instrument for record on the 30 day of Dec 19 65 at 3:10 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Crouse County Recorder

By Doretta Thurning Deputy

Fee $ 2.00 Paid

W 3

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

16

File No. STATE WATER CONSERVATION BOARD

JAN 3 1966

T. 13 N R. 15

DUPLICATE

County Missoula Mont

File McDonald
Butzerin Martin
Corle M. Hall
Darlington 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, Montana

Contractor (if any)

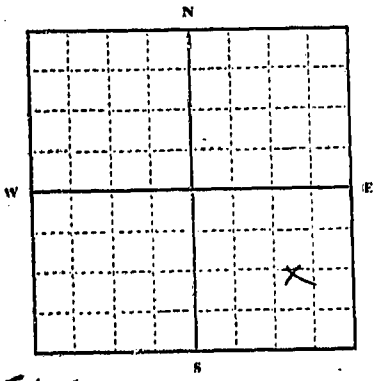
Address of Contractor

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

A free flowing Spring rising 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



Pt. S E¼ Sec. 16 T. 13 R. 15

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

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.

40329

555

245474

I received and filed this instrument for record on the 30 day of Dec 1965 at 3:08 o'clock P M. permanent records of Missoula County, State of Montana.

Witness my hand:

Vernamae R. Krouse, County Recorder

By Jane Deckinnick, Deputy

Fee $ 2.00 Paid

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

File No. 40459

T. 13N R. 15W 17

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 1933

Owner Arnold H. Carr Address Potomac, Mont

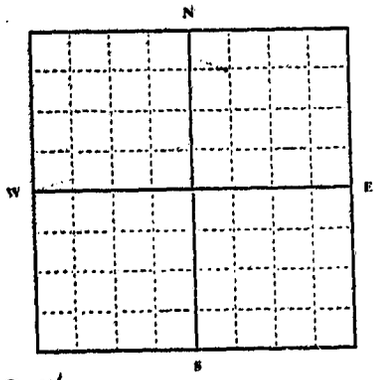
Contractor (if any) .....

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

Spring used for stock water



SW ¼ Sec. 17 T. 13 R. 15

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. Carr

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.

40459

153

245472

I received and filed this instrument for record on the 30 day of Dec 1965 at 3:04 o'clock P. M., permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Krause, County Recorder

By June Beebee, Deputy

Fee $ 2.00 Paid

W 3

STATE WATER CONSERVATION BOARD

JAN

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

File No.

T. 13 N R. 15 W

County Missoula

DUPLICATE

Bille
Butte
Coyle
Darlinton
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 1920

Owner Arnold Case Address Potomac, Mont.

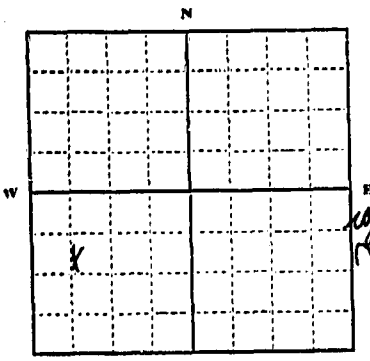
Contractor (if any)

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 running Spring for domestic use, Reserve right to drill well in same ground if necessary.



NW ¼ SW Sec. 17 T. 13 R. 15

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 12-28-1965

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.

40327

#1557

245471

I received and filed this instrument for record on the 30 day of Dec 1965 at 3:02 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand

Veramae R. Crouse, County Recorder

By Loretta A. Ramsey, Deputy

Fee $ 2.00 Check Paid

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Broadwater

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED
SEP 3 1971

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 Arnold Cass

Address Townsend Montana

For Administrator's Use
File 30775
September 31, 1971
2:30 PM
GW 1

Date well started July 9
completed July 14

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

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

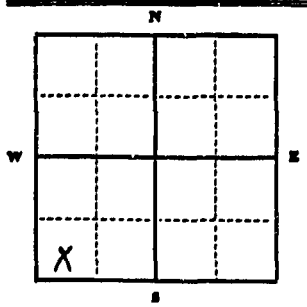
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 35 000 gals

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	7 lbs 6 5/8"	24" above ground	59'	brush cut 5"	57'	88'



Static water level 8' ft.*
Pumping water level 85' ft.*
at 5 gallons per minute,
measured 40 minutes after pumping began.
*Measured from ground level.
Well developed by pump & bailer
for 3 hours.
Power 220 v. Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
electric weld joints

SW ¼ SW ¼ Sec. 17
T. 13 N R. 15 E
P W

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

Driller's Signature George O. Beebe

Driller's Address Box 47
Havalli, Montana LICENSE NO. 204

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	6'	Tan clay & gravel
6'	8'	tan clay
8'	26'	tan clay & gravel
26'	59'	light tan clay & gravel
59'	88'	tan shale Water

88' Show exact depth of bottom

49132

#2185

307775

I received and filed this Instrument for record on the 21st day of Sept. A.D. 71 at 3:30 o'clock P.M. permanent records of Missoula County, State of Montana

Witness my hand

Vernon R. Crane, County Recorder

By Doris Hall Kennedy Deputy

Fee $2.00 Paid

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

File No. STATE WATER CONSERVATION BOARD

DUPLICATE JAN 3 1966

T. 13N R. 15W

County Missoula

Bille McDermott STATE OF MONTANA
Butzerin ADMINISTRATOR OF GROUNDWATER CODE
Coyle Morton OFFICE OF STATE ENGINEER
Darlinton Sullivan
Dickert

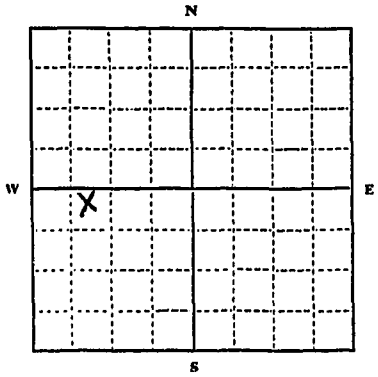
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Arnold H. Cau (Name of Appropriator), of Potomac (Address) Montana (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 Sec. 18 T. 13 R. 15

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1900 or before continuously

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: no

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

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

8. The depth of water table: unknown

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

10. The estimated amount of groundwater withdrawn each year: unknown.

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

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

Signature of Owner: Arnold H. Cau

Date: Dec 30-1965

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

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

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

40328

245473

I received and filed this Instrument for record on the 30 day of Dec 1965 at 3:06 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Crouse, County Recorder

By Dorella A Rusnavy Deputy

Fee $ 2.00 Paid

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42345

File No.....

T. 13 North R. 15 West PMM

County Missoula

DUPLICATE

Doc. No. 302338
Filed for record
this 6 day of May
A. D. 19 71, at 3:55
o'clock P M.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

MONTANA WATER RESOURCES BOARD
RECEIVED
MAY 10 1971

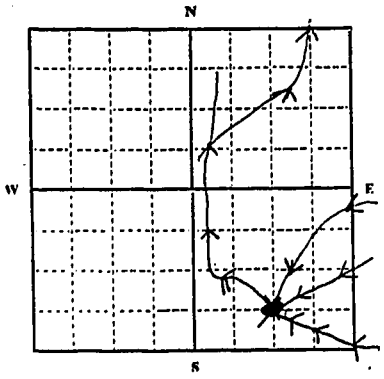
Date of Appropriation of Groundwater March 1, 1969

Owner Pioneer Cattle & Land Co., Inc. Address P.O. Box 637, Missoula MT

Contractor (if any) Walker Excavating

Address of Contractor 2330 South Ave West, Missoula MT

Date Started 2/20/69 Date Completed 4/15/69



E½SE ¼ Sec 20 T13N R15W
NE¼ S.29 T13N R15W
Indicate point of appropriation and place of use, if possible.

1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) Developed spring sump, drains & gravity feed canals, irrigation pump w/above ground distribution lines. Controlled subirrigation using surface ditches.

2) Means of withdrawing water (gravity, pump, canal, etc.) Gravity, pump, subirrigation.

3) Depth of water table Groiund level to 16 feet

4) Use of the water Domestic drinking water, stock and irrigation.

5) Amount of groundwater claimed (in miner's inches, or gallons per minute) 60 gallons per minute, approx 40 miner's inches

6) If used for irrigation, give number of acres and description of land 400 acres in E½ of SE¼ Sec 20; the NE¼ Sec 29; the N½ Sec 28, T13N, R15W, PMM

7) Estimate amount of water used each year 5,400,000 gal
Five Million Four Hundred Thousand gallons

Signature of Owner PIONEER CATTLE & LAND CO., INC. By: Sandra J. Walker
Sec. Treas.

Date May 1, 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.

48453

2127 302338

I received and filed this Instrument for record on the 6th day of May 1971 at 3:55 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand.

Vernon R. Crouse, County Recorder

By M. M. McCaughey, Deputy

Fee $2.00 Paid

GW 3

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

21

File No.

DUPLICATE

RECEIVED MAR 20 1973

T. 13N/S R. 15E/W

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)

Doc. No. 2434, 329207
Filed for record
this 16th day of March
A. D. 1973, at 9:37
o'clock A.M.

Date of Appropriation of Groundwater March 12, 1973

Owner Jack J. Clay Address Potomac, Mont.

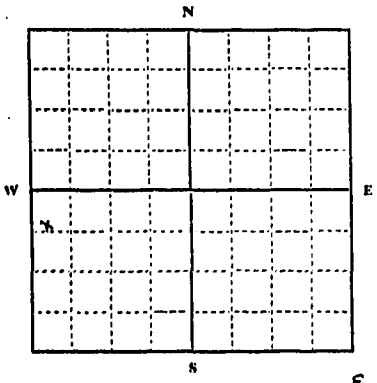
Contractor (if any) none

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, depth - natural spring, ground level

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. sump-hole with undetermined amount of water. Year around use either by irrigation with pump or livestock



SW ¼ Sec 21 T 13N R 15E

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

Signature of Owner Jack J. Clay

Date March 14, 1973

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.

52,689

2436

329207

9:37

I received and filed this Instrument for record on the 16 day of May 1973 at ~~[illegible]~~ o'clock A M, permanent files of Missoula County, State of Montana

Witness my hand:

Dorothy L. Head, County Recorder

By Mary Shelley, Deputy

Fee $ 2.00 Paid

Date started & completed? Amt. claimed?

21

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Jack D. Clay

Address Star Route
Potomac, Montana

Date well started March 3, 1973

completed March 12, 1973

For Administrator's Use
File 2435; 329208
MARCH 16, 1973
GW 1 9:38 A.M.

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒

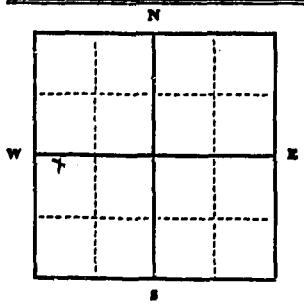
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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# .025	1½' above Grade	55' below grade			



Static water level 2½ ft.*
Pumping water level ft.*
at 28 gallons per minute,
measured hr. minutes after pumping began.
*Measured from ground level.
Well developed by hand
for 1 hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) .....

SW ¼ ¼ Sec. 21
T. 13 (N) S R. 15 E (W)

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

Driller's Signature Kenneth [illegible]

Driller's Address 1420 Clements Rd.
Missoula, Montana LICENSE NO. 227

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	Brown - Black Clay
2½		STATIC Level
8	13	Gravel - Some Clay
13	24	Clay - Gravel
24	45	Brown Gravel - Sand
45	55	Brown Shale - Clay no water
55	57	Gravel - water

57' fdt. Show exact depth of bottom

52,690

#2435 329208

9:38

I received and filed this instrument for record on the 16 day of Mar 1973 at [redacted] o'clock A M [illegible] permanent files of Missoula County, [illegible] Montana

Witness my hand

Dorothy [illegible] Head, County Recorder

S/M By [redacted], Deputy

Fee $ 2.00 cash Paid

GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED JAN 4 1971

County Missoula 21

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 Raymond H. + Mary Mikesell / Lawrence R + Carol Mikesell

Address Potomac, Montana

Date well started Nov. 10, 1970

completed Nov 22, 1970

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

Equipment used Rotary (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

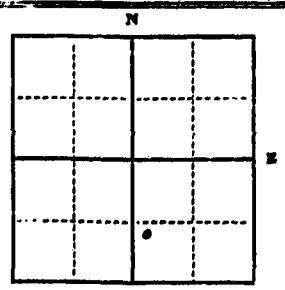
*Describe

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

For Administrator's Use	
File	298139
	December 29, 1970 9:15 a.m.
GW 1	

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6 inch	6 inch standard	0	30	NONE	NONE	NONE



SW ¼ SE ¼ Sec. 21

T. 13 N/S R. 15 E/W

Static water level 22 ft.*

Pumping water level 24 ft.*

at 6 gallons per minute, measured 30 minutes after pumping began.

*Measured from ground level.

Well developed by SELF

for 24 hours.

Power 220 Pump 1 HP

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

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

Driller's Signature Lawrence R. Mikesell

Driller's Address Potomac Mont

LICENSE NO.

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
1	25	Bentonite type clay
25	150	Shale + Granite
150	190	Sandstone
190	197	Sand

197 ft. Show exact depth of bottom

47959

2875

298137

I received and filed this instrument for record on the 29 day of Mar., 19 70 at 9:15 o'clock A M., permanent files of Missoula County, State of Montana

Witness my hand.

Veramae R. Crouse, County Recorder

By [signature] Deputy

Fee $ 2.00 Paid cash

GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
MAR 23 1973
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 SIDNEY PELSON

Address

Date well started FEB.23,1973

completed FEB.28,1973

For Administrator's Use
File 2434,329304
March 19,1973
GW 1 2:40 p.m.

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

Equipment used CHURN (Churn drill, rotary or other)

Water Use: Domestic XX Municipal ☐ Stock ☐ Irrigation ☐

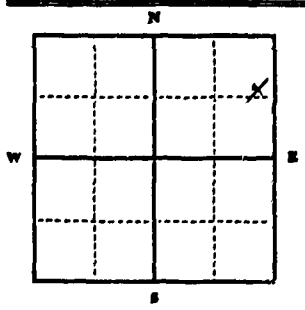
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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.	6-5/8"OD 17 lbs. 1/4"side-wall	ground level	151 ft.	5" perf. lower 2"x1" torch cut	126 ft.	151 ft.



NE ¼ NE ¼ Sec. 21
T. 13 N (S) R. 15 E (W)

Static water level 70 ft.*
Pumping water level 150 ft.*
at 1½ gallons per minute,
measured 180 minutes after pumping began.
*Measured from ground level.
Well developed by bail test
for 4 hours.
Power. DRILL RIG hp HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Ken Williams

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

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	2'	Black dirt and gravel
2'	76'	Brown clay,silt and gravel
76'	87'	Water,silt,clay and brown shale
87'	94'	Brick red clay and shale
94'	126'	Tan clay and shale
126'	151'	Tan clay and shale with seeps of water

~~151 ft.~~ Show exact depth of bottom

53,720

2436 329304

I received and filed this instrument for record on the 19 day of March 1975 at 2:00 o'clock P M, permanent files of Missoula County, State of Montana

Witness my hand

Dorothy L. Heck, County Recorder

By Shirley Shalsky, Deputy

Fee $ 2.00 Paid

GW 1 Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No. ..... T. 13N R. 15W 28

DUPLICATE County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I John D. Greenhaver, of 2420 Monroe 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 irrigation and household use (drinking etc.)
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed
Not known

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

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

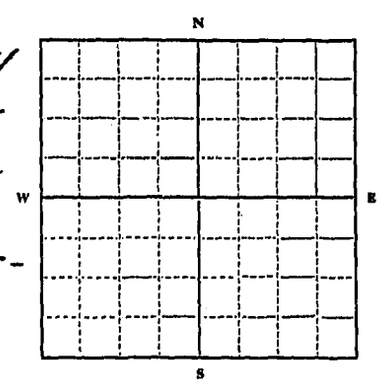
6. The probable or intended date of commencement and completion of the well* or wells*
Already completed

7. The location, type, size and depth of well or wells contemplated Potomac 80 feet deep, water rises 30-40 feet.

8. The probable or estimated depth of the water table or artesian aquifier Not ~~known~~ known

9. Name, address and license number of the driller engaged Not known

10. Give such other similar information as may be useful in carrying out the policy of this act The well involved is about 3 times normal size, has extra large hole and casing for irrigation and household use.



33041; 25529
June 27, 1973
11:30 A.M.

NW ¼ Sec. 28 T. 13 R. 15
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator John D. Greenhaver

Date 6-27-73

* 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.

5-4-74

-29

334041

I received and filed this Instrument for record on the 27 day of June 1973 at 11:30 o'clock A. M., permanent files of Missoula County, State of Montana

Witness my hand:

Dorothy L. Head, County Recorder

By Nancy Shalsky, Deputy

Fee $ 2.00 Cash Paid

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

File No.

T. 13 R. 15 West

DUPLICATE

County Missoula

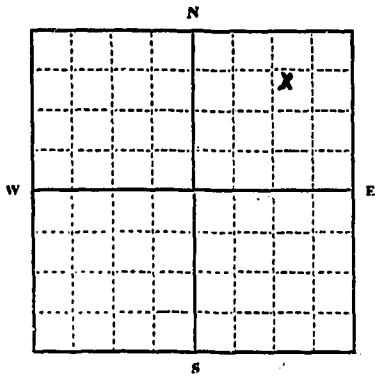
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I John George Hagstotz (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:



N ¼ E Sec 28 T. 13 R. 15

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 garden at present

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Used by us continuously since 1921

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Just grow at present time

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Well is not used for irrigation as of yet

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Do not know.

8. The depth of water table About 12 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater about 4 ft wide and 14 ft deep

10. The estimated amount of groundwater withdrawn each year 20,000 gallons

11. The log of formations encountered in the drilling of each well if available Mostly clay and 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 Nothing

Signature of Owner George Hagstotz

Date December 31, 1963

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

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

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

20109

998 215462

I received and filed this instrument for record on the 31 day of Dec 19 63 at 10 o'clock 1 M., permanent files of Missoula County, State of Montana

Witness my hand.

MARTIN F. BRUNER, County Recorder

By Mary L Bell Deputy

Fee $ no Paid

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
APR 26 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Missoula 38

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 Larry Montgomery

Address Jordan Ranch

Potomac, Montana

Date well started 3-26-73

completed 3-29-73

For Administrator's Use
File 2469, 331035
April 24, 1973
GW 1 9:00 A.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 ☐

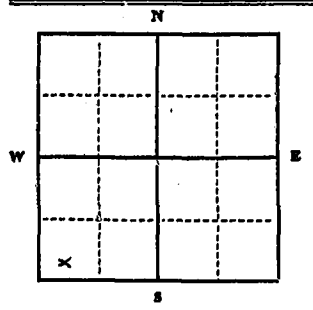
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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"	6 5/8 17 lb. per ft.	+ 1	165'	none		



Static water level ....ft.*
Pumping water level ....ft.*
at 7 gallons per minute,
measured ....minutes after pumping began.
*Measured from ground level.
Well developed by air compressor
for 4 hours.
Power.... Pump.... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

¼ SW¼ Sec. 28
T. 13 N/S R. 15 E/W

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, Montana 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) 3400

From (Feet)	To (Feet)	
0	75	Sandy clay & siltstone
75	80	Gravel
80	100	Sandy clay & siltstone
80	135	Dry clay & sandstone
135	142	Brown broken rock
142	500	Siltstone & sandstone with water at 440' to 500'

500' Show exact depth of bottom

53,003

#2469

331035

I received and filed this instrument for record on the 24 day of Sept 1973 at 7:00 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:

Dorothy L. Head, County Recorder

By [illegible], Deputy

Fee $2.00 cash Paid

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42345

RECEIVED
MAY 10 1971

File No.....

T. 13N R. 15W PMM

County Missoula

DUPLICATE
Doc. No. 302337
Filed for record
this 6 day of May
A. D. 19 71, at 3:50
o'clock P M.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

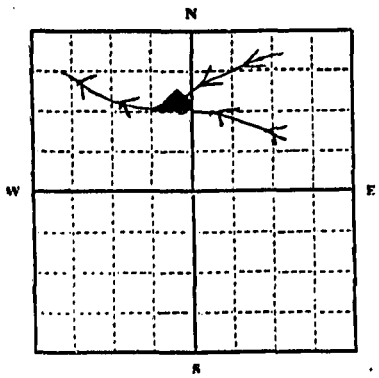
Date of Appropriation of Groundwater March 1, 1969

Owner Pioneer Cattle and Land Co., Inc. Montana Corp. Address P. O. Box 637 Missoula, MT

Contractor (if any) Walker Excavating

Address of Contractor 2330 South Ave West, Missoula

Date Started 2/20/69 Date Completed 4/15/69



NE¼ NW¼ ¼ Sec. 28 T. 13N R. 15W
NE¼ Sec. 28 T. 13N R. 15W
Indicate point of appropriation and place of use, if possible.

1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) developed spring sump, drains & gravity feed canals, irrigation pump with above ground distribution lines, controlled subirrigation using surface ditches.

2) Means of withdrawing water (gravity, pump, canal, etc.) gravity, pump, subirrigation

3) Depth of water table Ground level to 8 feet

4) Use of the water Domestic drinking water, stock and irrigation

5) Amount of groundwater claimed (in miner's inches, or gallons per minute) 15 gpm approx 10 miner's inches

6) If used for irrigation, give number of acres and description of land 300 Acres in the E½ of the SE¼ Sec 20; NE¼ Sec 29; N½ Sec 28, T13N, R15W, PMM

7) Estimate amount of water used each year 1,367,000 gallons
ONE MILLION THREE HUNDRED SIXTY-SEVEN THOUSAND

Signature of Owner PIONEER CATTLE AND LAND CO., Inc. By: Sandra L. Walker Sec.-Treas/

Date May 1, 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.

48454

2126 302337

I received and filed this instrument for record on the 16 day of June 1977 at 3:50 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

Doc. No. 295325
Filed for record
This 29 day of September
19 70, at 10:00
o'clock A M.

File No.

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—50551

T 13N R 15W

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner Pioneer Cattle & Land Co., Inc. Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 8/10/70 Date completed 8/18/70

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x ¼"	+1'6"	100	Johnson Wire Wound 125/1000 Slot Water Well Screen	99	103

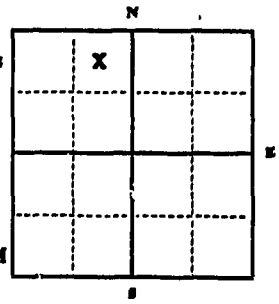
LOG

Top of Ground (Elev. above sea level Approx. 3700')

Formations Log:

0 - 1 Dirt.
1 - 6 Gravel, cobblestones & boulders mixed with red sandy silt.
6 - 16 Gray sand, cobblestones and boulders mixed in gray silt.
16 - 21 Gravel, cobblestones & boulders mixed in brown silt. 4 GPM of very sandy silty water at 19'.
21 - 27 Boulders imbedded in brown silt.
27 - 39 Fine gray sand & brown clay in thin alternate layers. 5 GPM of dirty water. Sand strata too thin to develop.
39 - 46 Gravel mixed in brown silt. pumped at rates up to 26 GPM for six hours. Water would not clean nor clear up. Water flow reduced to less than 5 GPM because of pinching off & collapsing of thin sand strata.
46 - 78 Gray clay & gray sand in thin alternate layers.
78 - 99 Hard gray clay.
99 - 103 Clean coarse sand. Water clear. Pumped 50 GPM.
103 - 108 Hard gray clay.

Show exact depth of bottom.
Bottom of well 108'



NE ¼ NW Sec. 28 T 12N R 15W

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

Static Water Level for non-flowing well 12 feet.

Shut-in Pressure for Flowing Well Non-f.

Pumping Water Level 23' @ 10 GPM feet

at 78' @ 50 GPM gal. per minute.

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

How Tested Air Lift Pump

Length of Test Six hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Six inch casing was pulled back to expose slots in screen directly to the waterbearing sand. A five foot tailpipe with a solid closed bottom is fitted to the bottom of the screen and a lead

(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).

Ranch at Potomac, Montana

52
Driller's License Number

William E. Osborne
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, tissue copy to be retained by driller.

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

47574

packer tightly swaged out against the six inch casing is fitted to the top of the screen. All water entering well is coming through slots in the Johnson Water Well Screen.

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.

295325

I received and filed this instrument for record on the 29 day of July 19 70 at 10:00 o'clock A.M., permanent files of Missoula County, State of Montana
Witness my hand:
Vernon R. Crown County Recorder
By Deputy
Fee $ 2.00 Paid

046

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—50551

30

File No.

T. 13 R. 15W

DUPLICATE

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Top of Ground

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

0- 2 Clay and gravel

2-53 Clay

45 Static water level

53-60 Clay with seems of water

60-65 Clay

65 Exact depth of bottom

Owner Robert A. Curry Address Missoula, Montana

Driller Canada Drilling Address Box 670, Missoula

Date of Notice of appropriation of groundwater ----

Date well started August 12, 1970 Date completed August 15, 1970

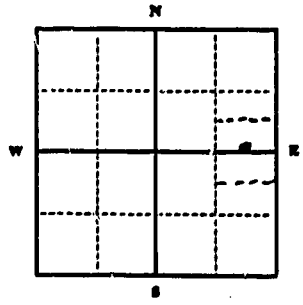
Type of well Drilled (Dug, driven, bored or drilled) Equipment used Churn drill (Churn drill, rotary or other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6" 17#	1 up	52	----	----	----
	5" 14#	45'	65'	burned 1/8x4	52	63

Doc. No. 2033
Filed for record
this 25 day of August
A. D. 19 70, at 1:45
o'clock P M.



NE 1/4 SE Sec. 30 T. 13 R. 15W

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

Static Water Level for non-flowing well 45 feet.

Shut-in Pressure for Flowing Well ----

Pumping Water Level 45 feet at 30 gal. per minute.

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

How Tested Bailer and 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).

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.

135
Driller's License Number

Charles F. Hellenstein
Driller's Signature.

47414

Q033

294246

I received and filed this instrument for record on the 25 day of May 19 20 at 1:45 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

Vernon R. Cramer County Recorder

By Dorothy Algermissen Deputy

Fee $2.00 cash Paid

GW 2

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 13 1970

Approved Stock Form—State Publishing Co., Helena, Montana—50551

30

File No.

DUPLICATE

T 13N R 15W

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner Pioneer Cattle & Land Co., Inc. Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 9/21/70 Date completed 9/24/70

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 ½"	+1'6"	34	N	O N	E

LOG

Top of Ground Approx. (Elev. above sea level 3650')

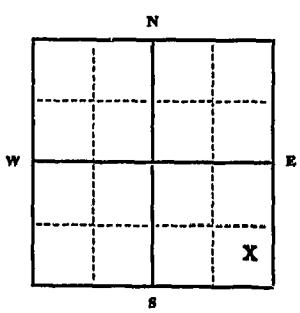
Formations Log:

0 - 2 Topsoil.
2 - 15 Brown clay with some sand and gravel mixed in.
15 - 29 Yellow clay.
29 - 34 Gravel mixed in yellow clay.
34 - 35 Coarse gravel. Water.

Doc. No. 295676
Filed for record this 7 day of October A. D. 19 70, at 2:15 o'clock P M.

Water rises in the well 20 feet to surface.

Show exact depth of bottom.
Bottom of well 35'



Static Water Level for non-flowing well 20 feet.

Shut-in Pressure for Flowing Well Non-f.

Pumping Water Level 31 feet at 30 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Two hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through open bottom of six inch casing. Wells in this area with open bottom completions 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 (Continue on reverse side)

SE ¼ SE Sec. 30 T 13N R 15W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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

Ranch at Potomac, Montana

52
Driller's License Number

William S. Cabane
Driller's Signature.

47615

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.

#2049

295626

I received and filed this instrument
record on the 7 day of Oct. 1970
at 8:15 o'clock A. M.
of Missoula County, State of Montana
Witness my hand
Veramae R. Crouse, County Clerk
By Lawrence
Fee $2.00 Paid Ck. Per

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

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Missoula 30

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

MAR 31 1971

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 Charles R. Seeley

Address Potomac, Montana

For Administrator's Use
File 300857
MARCH 29, 1971
1:15 PM
GW 1

Date well started March 11, 1971

completed March 12, 1971

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

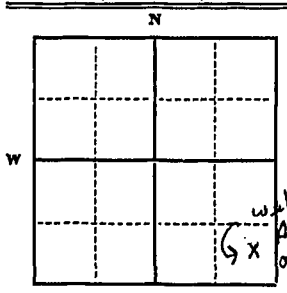
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 3,500,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6" 17#	1 up	72	Burned ¼ x 4	57	70



well & area of use

Static water level 45 ft.*
Pumping water level 52 ft.*
at 20 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 2 hours.
Power ---- Pump ---- HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) ----

SE ¼ SE ¼ Sec. 30
T. 13 (N) S R. 15 E (W)

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

Driller's Signature Charles H. Allinston

Driller's Address C.K.C. Drilling, P.O. Box 670

Missoula, 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) 3800'

From (Feet)	To (Feet)	
0		Clay and gravel
	10	
10		
	58	Yellow clay
45		
	45	Static water level
58		Clay, gravel and
	70	seams of water
70		Gray clay
	75	

75 Show exact depth of bottom

48274

2106 300859

I received and filed this Instrument for
rd on the 29th day of March 19 71
at 1:15 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand
Vernonce R. Crouse, County Recorder
By M. M. Conaughy Deputy
Fee $ 3.00 Paid

GW 2

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

File No. .....

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 7 1970

T. 13 R. 15 34

DUPLICATE

County Missoula

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.....)

Top Soil

loose boulders

Owner Lloyd Adams Address Potomac, Mont.

Driller Whitaker Well Drilling Address Augusta, Mont.

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

Date well started Aug 23, 1948 Date Completed Aug 29, 1948

Doc. No. 295429
Filed for record
this 2 day of October
A. D. 19 70, at 1:14
o'clock P M.

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

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

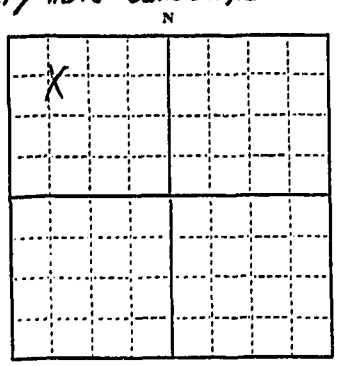
gravel & sandy pink clay

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)
10 3/4"	10" ID 34.24 lbs	0	52'	SlotT	40'	52'
8 1/2"	8" ID 24.70 lbs	49'	75'	"	49'	75'

decomposed sandstone Water 25gal.

very hard sandstone



NW¼NW Sec. 34 T. 13N R. 15W

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

Static Water Level for non-flowing Well 15' feet.

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

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

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

How Tested bailer Length of Test 3 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) 50 ac

Soft sandstone Water, 25gal.

Show exact depth of bottom.

25.10
Driller's License Number

E. J. Whitaker
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.

47603

2047 285429

I received and filed this Instrument for record on the 2nd day of Oct 1970 at 1:14 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand.

Veronica R. Crouse, County Recorder

By [illegible] Deputy

Fee $2.00 Paid

GW -

Approved Stock Form—State Publishing Co., Helena, Montana—42234 34

File No.

T. 13 N R. 15 W

DUPLICATE

County Missoula

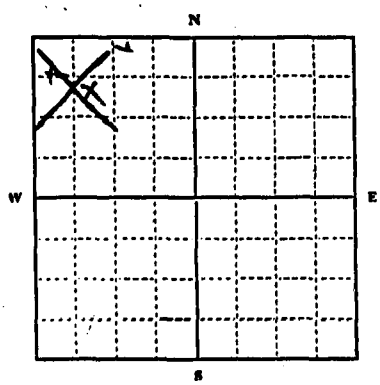
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1964 STATE ENGIN.

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Joanne Wood (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:



NW ¼ NW Sec. 34 T. 13 R. 15

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, Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1956

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Section 34-4 yard Joanne Wood

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1956

8. The depth of water table 85 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 85 ft. Wells - one in corral + 1 at the Saint House.

10. The estimated amount of groundwater withdrawn each year Not Applicable

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 Not Applicable

Signature of Owner Joanne Wood

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.

20137

1017

215491

I received and filed this instrument for record on the 31 day of Dec. 19 63 at 3:21 o'clock PM., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN [illegible] County Recorder

By Morgan S. Behnes Deputy

Fee $ 2.00

GROUNDWATER INDEX

County Missoula Twp. 13N Rge. 14W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
8	Osterquist & Son	G	202488	missing
15	Tilsaster, Bessie & Karl, Antonio	GW 3	215037	

W 3

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

15

File No.....

T. 13 N R. 14 W

DUPLICATE

County [redacted] Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

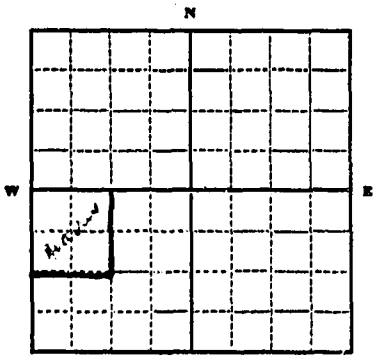
or Owner Bessie thrasher Antoinette Kuhl Address. [illegible]

Contractor (if any) None

Address of Contractor None

Date Started None Date Completed None

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



NW¼SW¼ SEC. 15 Twp 15 Rge 14 Acres 40

.....¼..... Sec..... T..... R.....

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. Intermittent --- Seven months

Signature of Owner Bessie A. Thrasher

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.

15261

658 25037

I received and filed this instrument for record on the 27 day of Dec 1963 at 4:20 o'clock P.M., permanent files of Missoula County, State of Montana.

Witness my hand

MARTIN J. HOLLAHER, County Clerk

By Ella Jones

Fee $ 2.00

GROUNDWATER INDEX

Page ___0___

County Missoula Twp. 12 NORTH Rge. 23 WEST

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
10	U.S. Dept. of Agriculture	GW 1	212133	Filed GW-1 as GW-2
32	Dept. of Highways	GW 2	319298	
32	State Highway Commission	GW 2	148345	
33	Manning, Percy F.	GW 2	320460	

GW 1

Approved Stock Form—State Publishing Co., Helena, Montana—39089 3

10

File No.....

T. 12 N R. 23 W

DUPLICATE

GW4 SW

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 23 1963
STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, U.S. Forest Service (Name of Appropriator), of Lolo Ranger Station (Address) Lolo (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 watering range stock

(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 1/100 sec. ft.

4. The annual period (inclusive dates) of intended use May 1 - Sept. 30.

5. The probable or intended date of first beneficial use June - 1941

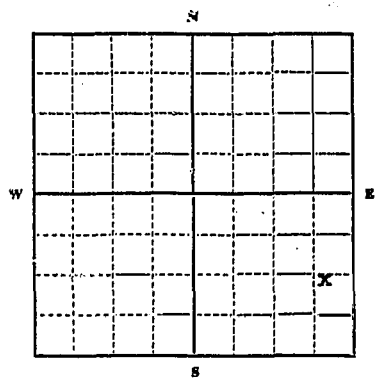
6. The probable or intended date of commencement and completion of the well* or wells* N.A.

7. The location, type, size and depth of well or wells contemplated N.A. (Spring)

8. The probable or estimated depth of the water table or artesian aquifier N.A.

9. Name, address and license number of the driller engaged N.A.

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



SE ¼ Sec. 10 T. 12N R. 23W

Locate well or other means of development as accurately as possible on the plat.

U.S.D.A., Forest Service

Signature of Appropriator [signature] DFR

Date 10/7/63

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

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

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

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

6603

298

Copy

212133

I received and filed this instrument for record on the 21st day of Oct 1963 at 3:36 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

MARTIN S. BEHNER, County Recorder

By Lorraine Crouse Deputy

Fee $ No fee Paid

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
JUL 19 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Missoula 32

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 Dept. of Highways

Address Helena, Montana

For Administrator's Use
File #2303, 3/9298
July 12, 1972 1:22 p.m.
GW 1

Date well started June 28, 1972

completed June 30, 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 ☐

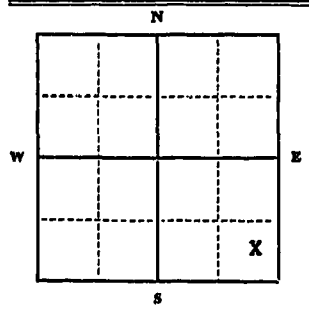
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" ID	19.88 lbs. per foot	0.0	38.7	1/8	30.7	38.7



Static water level 9.0 ft.*
Pumping water level 23.7 ft.*
at 7 gallons per minute,
measured 30 minutes after pumping began.
*Measured from ground level.
Well developed by Pumping
for 4 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

¼ SE ¼ Sec. 32
T. 12N N R. 23 W ~~E~~
~~S~~ W

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

Driller's Signature Vincent R Kiely

Driller's Address Helena, Montana

LICENSE NO. 208

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) 4050.0'

From (Feet)	To (Feet)	
0.0	3.0	Loose Br. Sandy Gravel With Water
3.0	13.5	Soft Br. Sandy Gravel With Water
13.5	20.0	Dense Br. Silty Fine Decomposed Granit
20.0	38.0	Dense Gray Sandy Decomposed Granit With Water
38.0	38.7	Very Dense Gray Granit
	38.7	Bottom of hole in same material

38.7 ft. Show exact depth of bottom

50,960

#2303

319298

I received and filed this Instrument for record on the 12 day of July 1972 at 1:22 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand.

Vernon R. Crouse County Recorder

By Rosella O'Hanlon Deputy

Fee $ No fee Paid

GW 2

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

32

File No.

DUPLICATE

No County Record

RECEIVED OCT 18 1962

T. 12N R. 23W

County Missoula

STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

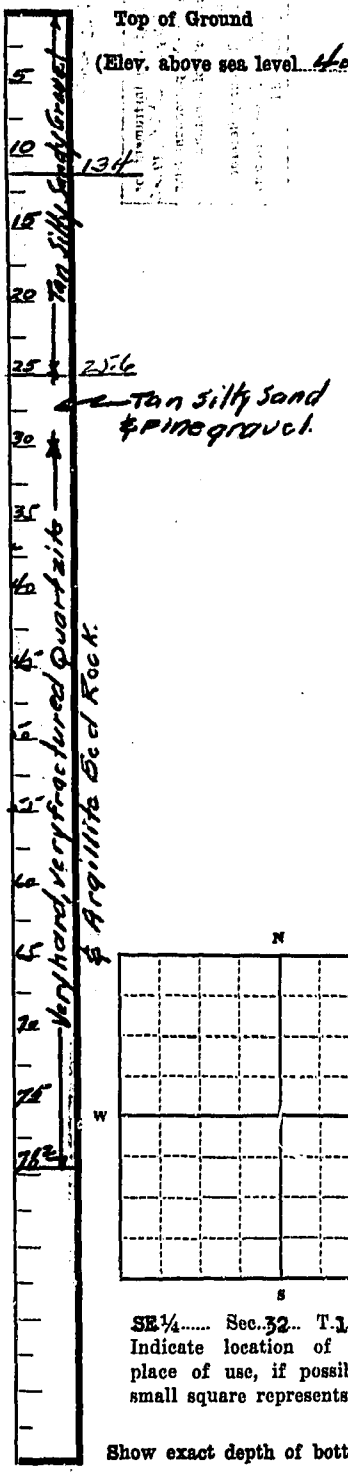
RECEIVED OCT 5 1962 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level 4057)



Owner State Highway Commission Address Helena

Driller Address

Date of Notice of Appropriation of Groundwater

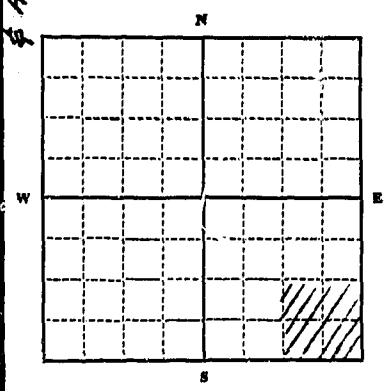
Date well started June 26, 1962 Date Completed July 10, 1962

Type of well Driven & Drilled (dug, driven, bored or drilled) Equipment Used Churn & Rotary (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)
	4"	0.0	15.00			
	4"	15.0	30.00		15.0	30.0
	4"	30.0	35.4			



SE¼ Sec. 32 T. 12N R. 23W
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 13.41 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 25.6 feet at 4.0 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailer & 2" Rotary Pump Length of Test 4 Hrs. Bailer 1.5 Hrs. Pump

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) none

Drilling was accomplished by Highway Commission personnel and equipment on Highway Commission property and, in the opinion of Mr. Fred F. Buck, State Engineer, a well driller's license is not necessary.

Driller's License Number

C. E. Clements
Driller's Signature Soils Engineer

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.

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

2145

#155

198345

I received and filed this instrument for record on the 14 day of Oct 1962 at 8:15 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNER, County Recorder
By Edith Kramer Deputy
Fee $ no fee Paid

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

File No. RECEIVED

DUPLICATE AUG 18 1972

MONTANA DEPARTMENT OF NATURAL RESOURCES

T. 12 R. 23

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 8/8/72

Developer ~~Owner~~ Perry F Manning Address 1641 So. 14th St. W.

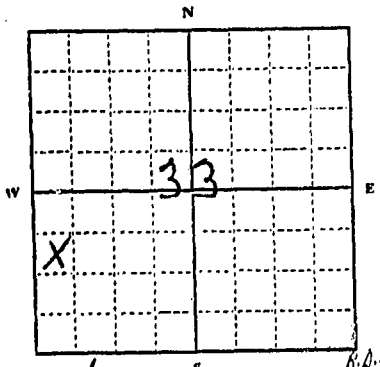
Contractor (if any)

Address of Contractor

Date Started 3-26-72 Date Completed 8-8-72

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

Natural Spring Water to drink



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 Pure Spring Drinking water. ½" pipe full more out the over flow at all times.

SW¼ ~~SW~~ NW¼ ¼ SW¼ Sec. 33 T. 12 N. R. 23 W R.G.S.

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

appropriator & Developer Signature of ~~Owner~~ Perry F. Manning

Date 8/8/72

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.

Doc. No. #2315; 320460
Filed for record
this 8th day of August
A. D. 19 72, at 16:46
o'clock P. M.

F.

51112

#2315 320460

I received and filed this Instrument for record on the 8 day of August 1972 at 10:46 o'clock A.M. permanent files of Missoula County State of Montana

Witness my hand

Veramae R. Crouse, County Recorder

By [illegible] Deputy

Fee $2.25 [illegible] Paid

Dear Sir:

We developed the Spring by digging down and putting a box over the Spring and piping the water to our house to drink. A 3/4 H.P. motor on a pump would produce about (We were told by a Farmer) 40-50 gal. of water per minuet.

Thank You

Mrs. Percy Manning
1641 So. 14th St. W.
Missoula, Mont.
59801

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

Owner Percy F. Manning
Address 1641 South 14th St. West, Mala
Location T. R. Sec.
Doc. No.

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

Special Instructions:

Please provide, as indicated in red on the attached form, the water use and amount of groundwater claimed in gallons per minute or miner's inches.

Thank you.

33

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

File No. RECEIVED

DUPLICATE AUG 10 1972

T 12 R 23

County Missoula

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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 8/8/72

Developer ~~Owner~~ Perry F Manning Address 1641 So. 14th St. W.

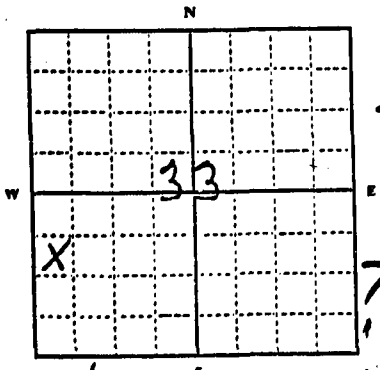
Contractor (if any)

Address of Contractor

Date Started 3-26-58 Date Completed 8-8-72

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

Natural Spring Water to drink
How developed?



SW¼ NW¼ ¼ Sec 33 T 12 N R 23 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 Pure Spring Drinking water. ½" pipe full runs out the over flow at all times.

appropriator & Developer Signature of ~~Owner~~ Perry F Manning

Date 8/8/72

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.

Doc. No. #2315; 320460
Filed for record
this 8th day of August
A. D. 19 72, at 10:46
o'clock A.M.

F.

51,112

GW 1

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

21

File No.....

T 12 N R 24 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 23 1963
STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, U.S. DEPARTMENT OF AGRICULTURE U.S. Forest Service (Name of Appropriator), of Lolo Ranger Station (Address) Lolo (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

(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 1/25 sec. ft.

4. The annual period (inclusive dates) of intended use May 15 - Sept. 30

5. The probable or intended date of first beneficial use Prior to 1938

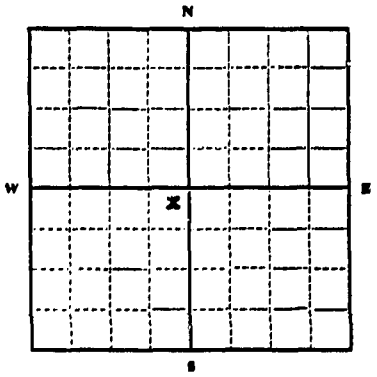
6. The probable or intended date of commencement and completion of the well* or wells* N.A.

7. The location, type, size and depth of well or wells contemplated N.A. (Spring)

8. The probable or estimated depth of the water table or artesian aquifier N.A.

9. Name, address and license number of the driller engaged N.A.

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



SW ¼ Sec. 21 T 12N R 24W

Locate well or other means of development as accurately as possible on the plat.

U.S.D.A., Forest Service

Signature of Appropriator [signature] DFQ

Date 10/8/63

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

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 Quadruplicete for the Appropriator.

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