

MONTANA WATER RESOURCES BOARD
RECEIVED

DUPLICATE

LOG

JAN 20 1970

County CarbonSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDTop of Ground 0-3

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

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

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

Owner T. A. Achar Address Selma, Mont.
Driller B. H. Dilling Address Fish Lake, Mont.

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

Date well started 4/15/69 Date completed 4/16/69Type of well..... Equipment used.....
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	18.75 6 3/8	14	26	NOVE		

Static Water Level for non-flowing well 3 ft feet.

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

Pumping Water Level 18 feet

at 30 gal. per minute.

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

How Tested Bailer

Length of Test 2 hrs.

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

1/4 Sec. 2 T. 4 R. 23

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

(Continue on reverse side)

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

Show exact depth of bottom.

30 ft.

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

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

Driller's License Number

Driller's Signature

No 27

Paul L. Hanger

45,793

File No. 18

DUPLICATE

T. L. R. 23 E

County Carbon

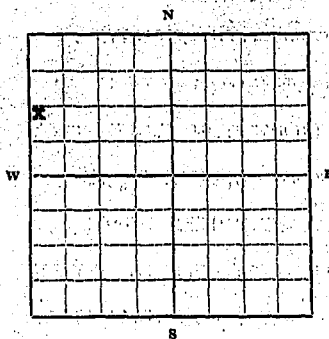
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAY 24 1963

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

STATE ENGINEER

I, Earl M. Clawson of Silesia
(Name of Appropriator) (Address) (Town)
County of Carbon State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

Part SW 1/4 NW 2 Sec. 2 T. L R. 23

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
1900 A.D. On Spring and 1957 on Well.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 miners inches
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 3 acres cleared cultivated land
Owner: Earl M. Clawson
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Pressure pumps
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Spring developed 1900 A.D. Well dug in 1957 A.D.
8. The depth of water table 3 ft. in the Spring and 8 ft. in well.
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 Natural Spring with water withdrawn by pressure pump and by hand. dug well with water withdrawn by the use of pressure pump.
10. The estimated amount of groundwater withdrawn each year 220,000 gallons each year (well)
250,000 " " " " (spring)
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
to Record

Signature of Owner

Date

2-5-62

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 Quaduplicate for the Appropriator.

4451

#18

152834

STATE OF MONTANA,
COUNTY OF CARBON, SS.

Office of the County Clerk & Recorder.

I hereby certify that the within
Water Application was filed
for record in my office this 6TH day
of Feb. A. D. 1962
at 1:50 o'clock P. M.

Attest my hand and the seal of
said County. GEORGE W. FLASKERUD

Clerk and Recorder

By Lonny J. Zupen Deputy
Fees \$ 2.00 pl.

Section 2

2

T. 4 R. 23

County CARBON

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, MontanaRECEIVED
MAY 15 1961

WATER WELL LOG

STATE ENGINEER

Owner W. K. Gibson Address Silesia

Driller Band H. Drilling Address Fishtail

Date Started 8/6/58 Date Completed 8/7/58

Location: Sec. 2 T. 45 R. 23E 1/4 sec.

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

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

Casing: 0 ft. to 34 ft. Type Black Size 65/8 ad 5 Dd

Casing: ft. to ft. Type sk & n Size

Casing: ft. to ft. Type Size

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

Type of screen or perforations

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

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

Pumping water level 28 feet at 10 gal. per min.

How tested: Baler

Length of test one H.O.

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

(over)

Log of Well

[illegible]

File No. 756 MONTANA WATER RESOURCES BOARD

T 4 R 23 2

RECEIVED

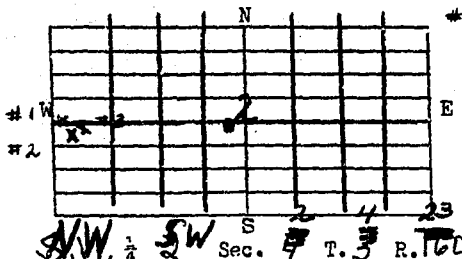
County Carbon

JAN 26 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. W K Gibson, of Silvia County of Carbon
State of MONT have appropriated groundwater according to the Montana laws in
effect prior to January 1, 1962, as follows:



*2-3 The beneficial use on which the claim is based

Pressure Pump

3. Date or approximate date of earliest beneficial
use; and how continuous the use has been All in 1900's
1955

4. The amount of groundwater claimed (in miner's
inches or gallons per minute) 30 gpm/min.
for each

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 irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or
other works for withdrawal of groundwater 1955
#2-3

8. The depth of water table 20 FT - subs up in a swamp

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 solid = 738 ft
#1 - 5 ft deep

10. The estimated amount of groundwater withdrawn each year 33,500 gal/each.
33,500 gal

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

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

Date 12/31/63

Signature of Owner W K Gibson

STATE OF MONTANA,) County of Carbon) ss.

Having first been duly sworn, depose and say that
he of lawful age and the appropriator and claimant of the
order and water right mentioned in the foregoing declaration of vested groundwater rights
and the person whose name subscribed thereto, as the appropriator
and claimant, that he know the contents of said foregoing notice and that the
matters and things therein stated are true.

Subscribed and sworn to before me, this day of , 19

Notary Public for the State of Montana.
Residing at
My Commission expires

43151

#756

159464

STATE OF MICHIGAN)
COUNTY OF CARBON) SS.

Office of the County Clerk & Recorder

I hereby certify that the within
appropriation was filed
for record in my office this 31 day
of Dec A. D. 1963
at 2:55 o'clock P.M.

Attest my hand and the seal of
said County
FRANK DANICHEK, COUNTY CLERK

By Alvin E. Graves Clerk and Recorder
Deputy

Fees \$ 2.00

GW 2

MONTANA WATER RESOURCES BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—46357

File No. _____

RECEIVED

T. 4 S. R. 41 E.

TRIPLICATE

OCT 20 1971

County Carbon

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDNotice 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 _____)

0-5 Top Soil

6-12 Sand Gravel

13-17 Hard grey shale

17-46 Sandy shale

46-74 Bentonite

74-74 Sandy shale (bottom)

Doc. No. 182834

Filed for record

this 19 day of OctoberA. D. 19 71, at 10:40o'clock PM.

Date of Notice of appropriation of groundwater _____

Date well started 8/21/71Date completed 9/1/71Driller E. H. DeHavenAddress Helena, Mont.Type of well DrilledEquipment used Churn Drill

(Dug, driven, bored or drilled)

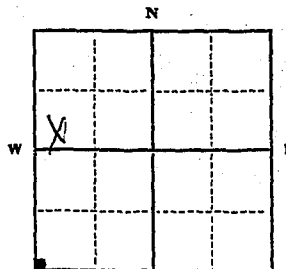
(Churn drill, rotary or other)

Water use:

Domestic ☐Municipal ☐Stock ☐Irrigation ☐Industrial ☐Drainage ☐Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	6 5/8 18.97	10"	14 1/2	none		
	4 1/2 Plastic	7-	76	3/16 hole	55	65



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

5 W 1/4 Sec. 2 T. 4 S. R. 41 E.

Static Water Level for non-flowing well 5 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 55 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested WaterLength of Test 3 hrsRemarks: (Gravel packing, cementing, packers, type of shutoff) Set steel casing into hard shale. This well has some gas.

(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.

Driller's License Number

Driller's Signature.

No. 27

Reed L. Hargens

119252

File No.

T. 4 S. R. 23 E.

TRIPLICATE

OCT 20 1971

County Cadotte

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDNotice 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.....)

0-5 Top Soil

5-12 Sand Gravel

12-17 Red clay shale

17-44 Sandy shale

44-46 Hard shale

46-74 Sandy shale (100%)

Doc. No. 182834

Filed for record

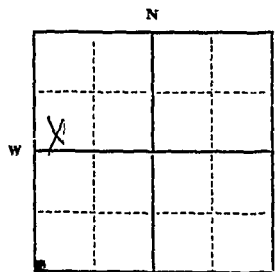
This 19 day of OctoberA. D. 19 71, at 10:40o'clock PM.

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

Date well started 8/21/71 Date completed 9/1/71Type of well Drilled Equipment used Down Drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	6 5/8 15.07	13'	14'	1/2		
	4 1/2 Plastic	7-	74	3/16 1000	55	65

NW 1/4 Sec. 2 T. 4S. R. 23E.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.Static Water Level for non-flowing well
5 feet.

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

Pumping Water Level 65 feet
at 5 gal. per minute.

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

How Tested WaterLength of Test 1000

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

See chart showing water level
at 5 gal. per min. flow rate.

(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.

Driller's License Number

Driller's Signature Red L. Haugen

49252

#1324
182834

STATE OF MONTANA
COUNTY OF CARMAN SS.
Office of the County Clerk & Recorder

I hereby certify that the within
Appropriation was filed
for record in my office this 19th day
of October A. D. 19 21
at 10:40 o'clock A. M.

Attest my hand and the seal of
said County
FRANK DANICHEK, COUNTY CLERK

By Anna L. Danichek Deputy
Clerk and Recorder

Fees \$ 2.00

RECORDED TO ORDER OF
THE COUNTY CLERK
AND RECORDER
CARMAN, MONTANA
OCT 21 1921

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GW 3
File No. 714

MONTANA WATER RESOURCES BOARD

RECEIVED

JAN 26 1968

T 4 R 23
County of Carbon

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 1898

Owner Clara Nelson
E.C. Nelson

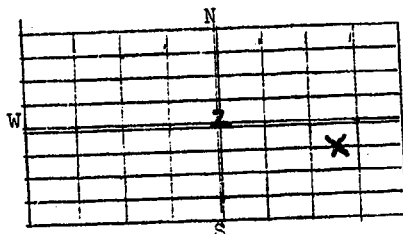
Address Sileria

Contractor (if any) none

Address of Contractor none

Date Started

Date Completed 1898



NE 1/4 SE Sec. 2 T 4 R 23
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

Quantity of water developed and used with explana-
tion of method used to measure or estimate such
amount. If use is intermittent estimate approxi-
mate lengths of periods of use

25 minutes each

Continuous use

Signature of Owner Clara Nelson

Date by Frank McClenock

12-31-63

STATE OF MONTANA)
County of Carbon) ss.

Having first been duly sworn, depose and say
that he of lawful age and the appropriator and claimant
of the order and water right mentioned in the foregoing notice of completion of groundwater
appropriation without well and the person whose name subscribed thereto, as
the appropriator and claimant, that he know the contents of said foregoing
notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this day of , 19

Notary Public for the State of Montana

Residing at

My Commission expires 19

43,508

714

159407

STATE OF MONTANA, }
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder

I hereby certify that the within
Appropriation was filed
for record in my office this 31 day
of Dec A. D. 19 63
at 11:55 o'clock A. M.

Attest my hand and the seal of
said County

FRANK DANICHEK, COUNTY CLERK

Oliver E. Graves Deputy
Clerk and Recorder

Fees \$ 2.00

#715

159408

STATE OF MONTANA, }
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder

I hereby certify that the within

Appropriation was filed
for record in my office this 31 day
of Dec A. D. 19 63
at 11:59 o'clock A. M.

Attest my hand and the seal of
said County

FRANK DANICHEK, COUNTY CLERK

By Oliver E. Graves ^{Clerk and Recorder} Deputy

Fee \$ 2.00

File No. 39T 45R 23E 2

DUPLICATE

MONTANA WATER RESOURCES BOARD

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

JAN 26 1968

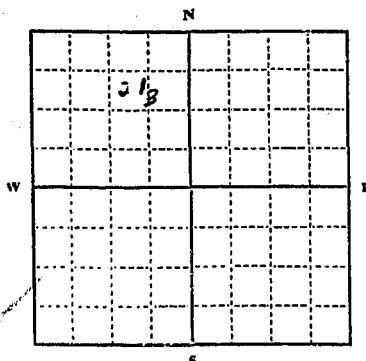
County Carbon

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Arnold J. Olsen, of Montana Silesia
 (Name of Appropriator) (Address) (Town)

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



SW 1/4 NW 1/4 Sec 2 T 45 R 23 E

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 livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 9/1-1940-9/2-1957
No. 3 - 1945. Has been used ever since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3.5 gallons per minute
from each well
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. 3 is used to irrigate lawn
around house
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 9/2-7 Feb 10-1957 the 2 unknown

8. The depth of water table 12 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 2 inch pipe down to water

10. The estimated amount of groundwater withdrawn each year No 1 - 185,000 gals
No 2 - 130,000 gals No 3 - 200,000 gals

11. The log of formations encountered in the drilling of each well if available 2 feet of top soil
and 10 feet of 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

Signature of Owner Arnold J. OlsenDate Dec 23-1963

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

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

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

43, 535

#395

159044

STATE OF MONTANA,
COUNTY OF CARBON SS.

Office of the County Clerk & Recorder

I hereby certify that the within

Water filing was filed
for record in my office this 23 day
of Dec. A. D. 19 63
at 3:00 o'clock P.M.

Attest my hand and the seal of

said County

FRANK DANICHEK, COUNTY CLERK

Clerk and Recorder

By Sony J. Zupan DeputyRec'd 23rd

RECORDED
INDEXED
FILED
CARBON COUNTY
MONTANA
DEC 23 1963
CLERK OF COUNTY

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—483

File No.

T. 4 S. R. 23 E.

DUPLICATE

County Carbon

LOG

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

Top of Ground

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

0-8 Top Soil

8-15 Sand Gravel

15-47 Hard Sandy Shale

47-49 Bentinite

49-66 Sandy Shale (Water)

**Notice of Completion of Groundwater
Appropriation by Means of Well**
DEVELOPED AFTER JANUARY 1, 1968

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

Owner Randall Ventling Address Silesia, Mont.Driller R. E. H. Drilling Address Fishtail, Mont.

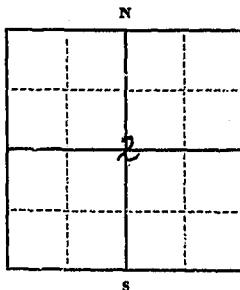
Date of Notice of appropriation of groundwater.....

Date well started 9/2/71 Date completed 9/3/71Type of well Drilled Equipment used Churn Drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	6 5/8	18 1/2	16 1/2	none		
	4 1/2 Plastic	6-	66	3/16	40	60

Doc. No. 1389 18763
 Filed for record
 this 23rd day of September
 A. D. 1973 at 10:35
 o'clock A.M.

Static Water Level for non-flowing well
5 feet.

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

Pumping Water Level 55 feet
at 7 gal. per minute.

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

How Tested BailerLength of Test 3 hrs

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff)

Steel casing drove into hard
sandy shale.

(Continue on reverse side)

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

Show exact depth of bottom.

66 ft.

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

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

No 27

Driller's License Number

Paul L. Haugan
Driller's Signature.

52,495

RECEIVED

NOV 19 1971
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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 may be returned.

For Administrator's Use

File 183990
November 17, 1971
4:40 PM

GW 1 _____

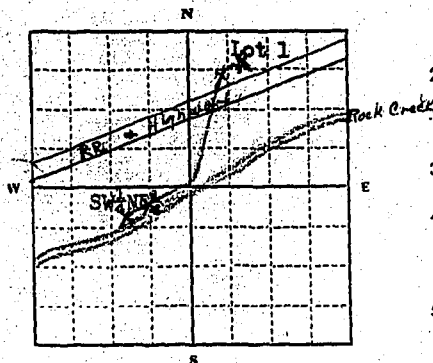
Owner HARRY J. ALLEN and ALICE J. ALLEN, husband and wife,
Address Silesia, Montana 59080

Contractor (if any) none

Address of Contractor none

Date Started not applicable Date Completed not applicable

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) runs through irrigation ditch 6' x 4'



Lot 1
SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35

T. 3 S. R. 23 E.
X Spring $\frac{5}{8}$ Ditch
Rock Creek

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.

Elevation of spring, if known or estimated 3400 feet

2. Means of withdrawing water (gravity, pump, canal, etc.) not applicable

3. Depth of water table 4'

4. Use of the water Stock watering and irrigation.
(Livestock drink out of ditch)

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 50 miner's inches from each of two springs

6. If used for irrigation, give number of acres and description of land 110 acres; Lots 1 and 2 of Section 35, Township 3 South, Range 23 East, M.P.M., and Lot 1 lying North of U.S. Highway No. 212 in Section 3, Township 4 South, Range 23 East, M.P.M.

7. Estimate amount of water used each year an average of 50 miner's inches per day for a period of 12 months.

8. Months of year spring flows 12 months

Signature of Owner

Harry J. Allen
Alice J. Allen

Date November 17, 1971

#1329

183090

NOTICE
J. W. JORDAN, JR.
COUNTY OF CARRISON, SS.

Office of the County Clerk & Recorder

I hereby certify that the within
Appropriated was filed
for record in my office this 17th day
of November A. D. 1921
at 4:40 o'clock P. M.

Attest my hand and the seal of
said County

Alex. E. Jordan Deputy
County Clerk & Recorder

Page 2

Helena Independent Record
File No. 994

T. 4 S. R. 23 E. 3
County Carbon

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 26 1968

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Loy Allen
(Name of Appropriator)

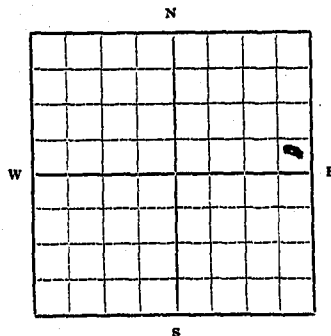
Silesia
(Address)

Mont
(Town)

County of Carbon

State of Montana

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



1/4 Sec. 7 T4S R23E

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 water & garden irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
June 1, 1930
Continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
250 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
PT SE 1/4 NE 1/4 34-23
Seven acres more or less

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
June - 1930

8. The depth of water table
15'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
1 dug well - 20 ft

10. The estimated amount of groundwater withdrawn each year
50,000 gal.

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

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 Loy Allen
Date Dec 5 1963

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

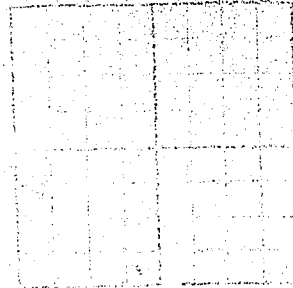
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

42830

#994

159772



STATE OF MONTANA
COUNTY OF CARBON SS.

Office of the County Clerk & Recorder

I hereby certify that the within
Water filing was filed
for record in my office this 9 day
of Jan. A. D. 19 64
at 11:25 o'clock A. M.

Attest my hand and the seal of
said County

FRANK DANICHEK COUNTY CLERK
Clerk and Recorder

By Tony D. Zupan Deputy
Fees \$ 2.00 pd.

RECORDED IN THE OFFICE OF THE COUNTY CLERK & RECORDER
COUNTY OF CARBON MONTANA
JAN 10 1964

RECORDED IN THE OFFICE OF THE COUNTY CLERK & RECORDER
COUNTY OF CARBON MONTANA
JAN 10 1964

RECEIVED

JW 3

MAY 23 1973

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

File No. _____
DUPLICATE

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

HS R23 E 3
County Carbon

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

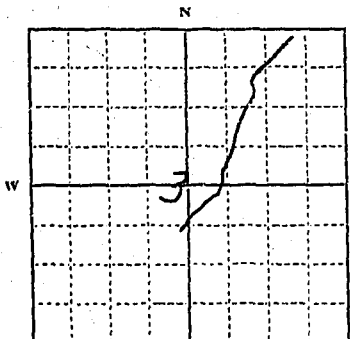
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: May 17, 1973
Smith Ditch
Owner: Water Assoc Address: Silesia, MT.

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. Pack Creek Water
to be used by Smith Ditch
Water Assoc. Users during
irrigation 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. _____

AKW. R23 E Sec. 3 T4 S. R23 E

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

File 1402; 188443

Date May 22, 1973

Time 2:30 p.m.

800 inches of water to
be used in addition to
975 inches presently
decreed to Smith Ditch

Signature of Owner: Smith Ditch Water Assoc
Mabel Reams, Secretary
Date: May 17, 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.

#1402 188443

COUNTY OF CANNON

Office of the County Clerk & Recorder

I hereby certify that the within
Appropriation was filed
for record in my office this 23 day

of May A. D. 19 13
at 2:30 o'clock P. M.

Attest my hand and the seal of
said County
Shank
Clerk and Recorder

By _____ Deputy
Fees \$ 2.00

File No.

204

RECEIVED 158023

T. 4. S. R. 23. E. 3

DUPLICATE

JAN 26 1958

County CarbonSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

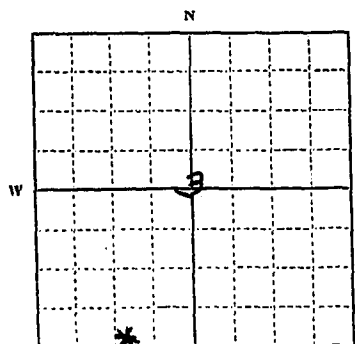
(Elev. above sea level 3400)Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Clarence Wright Address Jet, MontDriller Hand Dig AddressDate of Notice of Appropriation of Groundwater 1898, 1912, 1956Date well started 3 wells Date Completed last in 1956Type of well dig Equipment Used Hand
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
#1 4ft	stone	0	23ft	rock		
#2 4ft	stone	0	23ft	rock		
#3 4ft	stone	0	10ft	rock		



SE 1/4 SW Sec. 3 T. 4 R. 23

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 average 4 ft feet.Shut-in Pressure for Flowing Well nonePumping Water Level 4 feet at 4 gal. per minute.Discharge in gal. per min. of flowing well noneHow Tested pump Length of Test 10 min

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)

Lawn & Gardensowner
Driller's License NumberClarence Wright
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.

43,938

158023

STATE OF MONTANA, }
COUNTY OF CARBON } ss.

Office of the County Clerk & Recorder

I hereby certify that the within
Appropriation was filed
for record in my office this 20 day
of Sept A. D. - 19 63
at 10:45 o'clock A. M.

Attest my hand and the seal of
said County

Frank D. Ruchlik
Clark and Ruchlik

By _____ Deputy

Page 5

100-443887-100

10/10/10

100-443887-100

RESEARCH DESIGN

[illegible]

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

100-443887-1

[illegible]

100

1. The first group of people who are interested in the results of the study are the researchers themselves. They want to know if the study was successful in achieving its goals and if the results are consistent with their expectations.

0-10

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthal and Whistler (1973). The total chlorophyll content was determined by the method of Arar and Cook (1977). The carotenoid content was determined by the method of Lichtenthal and Whistler (1973). The total carotenoid content was determined by the method of Arar and Cook (1977). The total protein content was determined by the method of Lowry et al. (1951). The total lipid content was determined by the method of Bligh and Dyer (1959). The total carbohydrate content was determined by the method of Dubois and Gilles (1950). The total nucleic acid content was determined by the method of Burton (1956). The total ash content was determined by the method of AOAC (1970). The total moisture content was determined by the method of AOAC (1970). The total dry weight was determined by the method of AOAC (1970). The total organic matter content was determined by the method of AOAC (1970). The total inorganic matter content was determined by the method of AOAC (1970). The total organic matter content was determined by the method of AOAC (1970). The total inorganic matter content was determined by the method of AOAC (1970).

100

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

1. *Chlorophyll a* (Chl *a*)

$$S_{\text{eff}} = S_{\text{eff}}^{\text{tree}} + S_{\text{eff}}^{\text{1-loop}} + S_{\text{eff}}^{\text{2-loop}} + \dots$$

the fact that the *in vitro* and *in vivo* results are in good agreement. The *in vitro* results are in good agreement with the *in vivo* results, and the *in vivo* results are in good agreement with the *in vitro* results.

File No.	Page	Subject	Date	Time	Initials
100-100000	1	100-100000	10/1/00	10:00	100-100000
100-100000	2	100-100000	10/1/00	10:00	100-100000
100-100000	3	100-100000	10/1/00	10:00	100-100000
100-100000	4	100-100000	10/1/00	10:00	100-100000
100-100000	5	100-100000	10/1/00	10:00	100-100000
100-100000	6	100-100000	10/1/00	10:00	100-100000
100-100000	7	100-100000	10/1/00	10:00	100-100000
100-100000	8	100-100000	10/1/00	10:00	100-100000
100-100000	9	100-100000	10/1/00	10:00	100-100000
100-100000	10	100-100000	10/1/00	10:00	100-100000

File No. 205 MONTANA WATER RESOURCES BOARD

DUPLICATE

RECEIVED

JAN 26 1968

T. 4-5 R. 23-ECounty CarbonSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground _____

(Elev. above sea level _____)

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

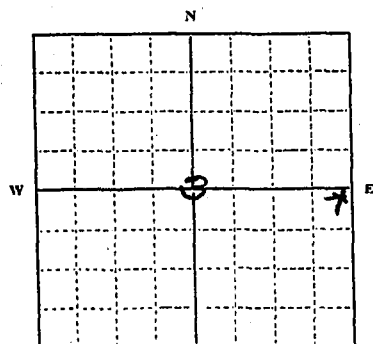
Owner Clarence Wight Address Jahet, MontDriller Same Address _____

Date of Notice of Appropriation of Groundwater _____

Date well started 1924 Date Completed 1924Type of well dug Equipment Used hand
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>4 ft</u>	<u>stone</u>	<u>0</u>	<u>10</u>	<u>stone</u>		

NE 1/4 SE Sec. 3 T. 4 R. 23

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 about 4 feet.Shut-in Pressure for Flowing Well nonePumping Water Level 4 ft feet at 5 gal. per minute.Discharge in gal. per min. of flowing well noneHow Tested pump Length of Test 10 minRemarks: (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) domestic

Driller's License Number _____

Clarence Wight
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.

43,940

#205

158024

STATE OF MONTANA }
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder

I hereby certify that the within

Appropriation was filed
for record in my office this 25 day
of Sept. A. D. 19 13
at 10:50 o'clock A. M.

Attest my hand and the seal of

said County

Frank Swartz

Clerk and Recorder

By _____ Deputy

Fees \$ 2.50

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CLERK OF DISTRICT

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GV Helena Independent Record

File No. 626

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JAN 26 1968

T. 4 R. 23

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

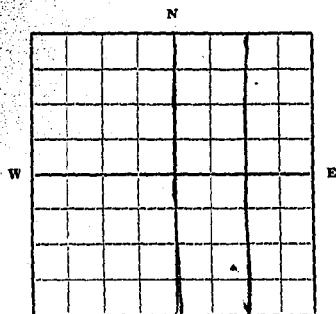
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Daniel Shickowsky
(Name of Appropriator)

of 646 one D Billing
(Address) (Town)

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



SW 1/4 NE 1/4 and the W 1/2 SE 1/4

1/4 Sec. 4 T. 4 R. 23

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 and livestock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been started using well in 1954 and been in use ever 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 1/4 acre veg. garden by well
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal By jet pump water system
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater this information is not available
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 dug well 14 inches in diameter and 22 ft deep
10. The estimated amount of groundwater withdrawn each year 50,500
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.

Signature of Owner Daniel Shickowsky

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 School of Mines and Quadruplicate for the Appropriator.

43708

#626

159318

STATE OF MONTANA, }
COUNTY OF CARBON } SS.
Office of the County Clerk & Recorder

I hereby certify that the within
Appropriation was filed
for record in my office this 30 day
of Dec A. D. 19 62
at 4:35 o'clock P. M.

Attest my hand and the seal of
said County
Frank Danichik
Clerk and Recorder

By _____ Deputy

Fees \$ 2.00

File No. 658
MONTANA WATER RESOURCES BOARD

DUPLICATE RECEIVED

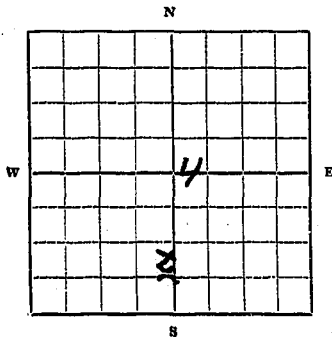
JAN 26 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 4 R. 23
County Carbon

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

1. Mitchell Thomas, of Jaliet,
(Name of Appropriator) (Address)
County of Carbon State of Montana (Town)
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE Sec. 4 T. 4 R. 23

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 domestic lawn and garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been #1-1951
#2-1930
4. The amount of groundwater claimed (in miner's inches or gallons per minute) #1-10 gpm per minute
#2-12 gpm per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof #1-lawn and garden
same owner
same description
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pumps
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater #1-1951
#2-1930
8. The depth of water table 10' each well
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
#1-drilled well 6" casing - 20 feet deep
#2-dug well, 24" galvanized iron culvert - 20 feet deep
10. The estimated amount of groundwater withdrawn each year #1300,000 - #2450,000
11. The log of formations encountered in the drilling of each well if available
none available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
none

Signature of Owner

Date 12-30-63

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

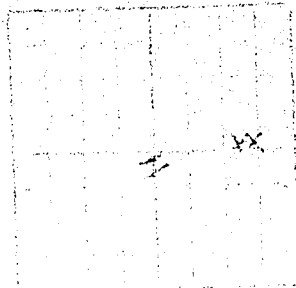
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

13765

#658

159350



2E 2M 1 1 23

STATE OF MONTANA,
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder

I hereby certify that the within
Appropriation was filed
for record in my office this 30 day
of Dec A. D. 1963
at 5:55 o'clock P. M.

Attest my hand and the seal of

and Frank Sawicki
County Clerk and Recorder

by _____ Deputy

Fee 2.00

State of Montana, # 1-151
This is to certify that the within and foregoing is as represented to the said clerk of said county by the said clerk of said county.

GWS

File No. 659T. 4 R. 23

DUPLICATE

County Carbon

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)

MONTANA WATER RESOURCES BOARD

RECEIVED

JAN 26 1968

Date of Appropriation of Groundwater 1899Owner Mitchell Thomas Address Juliet

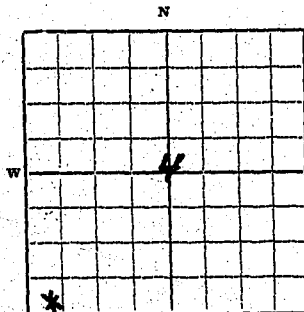
Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed 1899

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

natural Spring



Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use

SW $\frac{1}{4}$ Sec. 4 T. 4 R. 23

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

Continuous flow Livestock irrigation
15,000,000 gal per year

Signature of Owner Mitchell ThomasDate 12-30-63

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

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

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

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

43,767

4659

159351

STATE OF MONTANA
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder

I hereby certify that the within
Appropriation was filed
for record in my office this 28 day
of Dec A. D. 19 63
at 5:57 o'clock P. M.

Attest my hand and the seal of
said County
Frank Sawicki
Clerk and Recorder

Deputy
Fees \$ 2.00

GW 3
File No. 718

MONTANA WATER RESOURCE BOARD

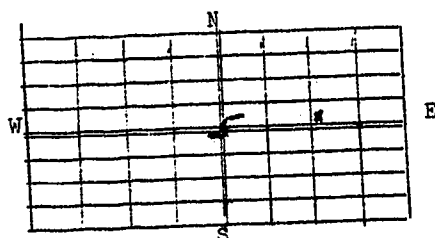
RECEIVED

T 4 R 23
County of Carbon

JAN 26 1958 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 Mitchell Thomas Address Joliet, Mont.
Contractor (if any) None
Address of Contractor None
Date Started 1900 Date Completed 1900



SE 1/4 NE Sec. 5 T 4 R 23
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

Free Flowing

Quantity of water developed and used with explana-
tion of method used to measure or estimate such
amount. If use is intermittent estimate approxi-
mate lengths of periods of use

30 gal / hr
continuous use for stock

Signature of Owner Mitchell Thomas

Date 12/31/63

STATE OF MONTANA)
County of Carbon) ss.

Having first been duly sworn, depose and say
that he of lawful age and the appropriator and claimant
of the order and water right mentioned in the foregoing notice of completion of groundwater
appropriation without well and the person whose name subscribed thereto, as
the appropriator and claimant, that he know the contents of said foregoing
notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this _____ day of _____, 19 _____

Notary Public for the State of Montana
Residing at _____
My Commission expires _____ 19 _____

42759

718

159411

STATE OF MONTANA, }
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder

I hereby certify that the within
Appropriation was filed
for record in my office this 31 day
of Dec A. D. 19 63
at 12:07 o'clock P. M.

Attest my hand and the seal of
said County, FRANK DANICHEK, COUNTY CLERK

Ollie E. Slawek
By Ollie E. Slawek Clerk and Recorder

Fees \$ 2.00

File No. 870

T Four R Twenty-three

County Carbon

MONTANA WATER RESOURCES BOARD
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
RECEIVED OFFICE OF STATE ENGINEER

JAN 26 1963
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Robert C. Blain, of Joliet County of Carbon
State of Montana have appropriated groundwater according to the Montana laws in
effect prior to January 1, 1962, as follows:

	N	
W		E

SE 1/4
SE 1/4 Sec. 6 T. 45 R. 23

2. The beneficial use on which the claim is based
is the watering of livestock.

3. Date or approximate date of earliest beneficial
use; and how continuous the use has been
1941, use has been continuous

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

7. The date of commencement and completion of the construction of the well, wells, or
other works for withdrawal of groundwater Well was drilled in 1941 and well was
deepened by drilling in 1961.

8. The depth of water table 80 feet

9. So far as it may be available, the type, size and depth of each well or the general
specifications of any other works for the withdrawal of groundwater
Well is approximately 150 feet in depth.

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

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

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

Date December 31st, 1963

Signature of Owner Robert C. Blain

STATE OF MONTANA,) County of Carbon ss.

ROBERT C. BLAIN Having first been duly sworn, depose and say that
he is of lawful age and is the appropriator and claimant of the
order and water right mentioned in the foregoing declaration of vested groundwater rights
and the person whose name is subscribed thereto, as the appropriator
and claimant, that he knows the contents of said foregoing notice and that the
matters and things therein stated are true.

Robert C. Blain

Subscribed and sworn to before me, this 31st day of December, 19 63

Verna H. Stord

Notary Public for the State of Montana.

Residing at Red Lodge, Montana.

My Commission expires October 18, 1966.

42,873

#870

159578

STATE OF ARIZONA
COUNTY OF COCHISE
Office of the County Clerk & Recorder

I hereby certify that the with
Appropriation was filed
for record in my office this 31 of
of Dec A. D. 1963
at 7:02 o'clock P. M.

Attest my hand and the seal
said County
FRANK DANICHEK, COUNTY CLERK

Oliver E. Dever Clerk and Recorder
Deputy

Fees \$ 2.00

RECEIVED

File No. 185082
DUPLICATE

JUL 6 1972

T 4 R 23
County CARBON

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level)

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 1237, Montana Session Laws, 1961)

Owner GEORGE FREEMAN Address 125 WHEATMILLER
Driller L. P. DRILLING Address 6 MILLING MENT

Date of Notice of Appropriation of Groundwater

Date well started 4/23/72 Date Completed 4/26/72

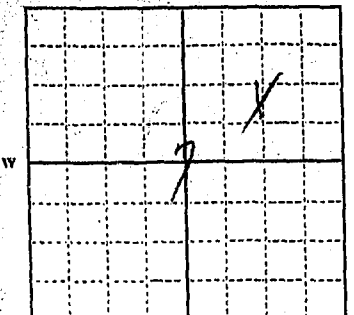
Type of well DRILLED Equipment Used C.A.B.F.F.
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

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)
7"	6 5/8" 18-87H	0	26	CUT 1/8"	21	25

Lot # 11, Second
Amended Certificate
of Survey # 447



Static Water Level for non-flowing Well 12 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 4 feet at 25 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BAUER PUMP Length of Test 4 HR

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

0.4 acres irrigated, if used for irrigation)

PIPE EXT 2' ABOVE

GROUND

1/4 Sec 7 T. 4S R. 23
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom #1352, 185082

Doc. No. 1352, 185082
Filed for record
this 5th day of July
A. D. 19 72 at 2:30
o'clock P. M.

MONT 188
Driller's License Number

Roy R. Linger
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.

F.B.

50828

50220

27 May - 6 May 1962
F A 5 10 10 10

powered aircraft and built in 20,000 sq ft of space, depth in which water is contained, and operation of water intake and discharge, such as roll, pitch, yaw, etc., and the effects incident on the system are considered and measured. A few different

Individual	<input type="checkbox"/>	Intensive	<input type="checkbox"/>	Adopt	<input type="checkbox"/>	Pre-K/Child	<input type="checkbox"/>
Actor	<input type="checkbox"/>	Domestic	<input type="checkbox"/>	Grouping	<input type="checkbox"/>	Other	<input type="checkbox"/>

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1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719

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Quantity 442800

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CONTROL
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater

Appropriation by Means of Verbs

(Under Chapter 237, Montana Session Laws, 1901.)

Owner: George Freeman Address: 1014 E. 1st St.
1035 W. E. 1st St.

Drillers + D-DRILLING Address: 815 S. 11th St. MO 64

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

Date well started 4/23/72 Date Completed 4/26/72

Type of well D R L H Ed Equipment Used C A D
(Churn, drill, rotary or

185089

185089

I hereby certify that the within
Appropriation was filed
for record in my office this 5 day
of July A. D. 19 72
at 2:40 o'clock P. M.
Attest my hand and the seal of
said County
Charles H. Hanchlik
Clerk and Recorder

Attest my hand and the seal of
said County Frank Nauschik
Clerk and Recorder
Depu

Fees:

1. Application fee \$10.00
2. Processing fee \$10.00
3. Issuance fee \$10.00

Total Fees: \$30.00

The above fees are non-refundable.

File No.....

County..... *Chaplin*

STATE OF MONTANA
GROUNDWATER CODE

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)

7 (Under Chapter 237, Montana Session Laws, 1901)
George Freeman Tolson, Mort
Owner Address 1035 W. E. Smith St
MONTANA

Driller *h + P. Driller* Address *315 S. 11th St. MOBILE*

Date of Notice of Appropriation of Groundwater..... 11/10/17

Date well started 4/25/72 Date Completed 4/26/72

Type of well D.R.I.H. E.C. Equipment Used C.A. P. 2
(dive driven bored or (Churn, drill, rotary or

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

CLAY

DUPLICATE

JUL 6 1972

T. 4 R. 23
County CARBON

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)

Owner George Freeman Address Joliet, Mont
Driller L. P. DRILLING Address 1035 W. WHEATLAND
BILLINGS MONT.

Date of Notice of Appropriation of Groundwater

Date well started 4/25/72 Date Completed 4/26/72

Type of well DRILLED Equipment Used CABLE
(dug, driven, bored or (Churn, drill, rotary or
drilled) 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.

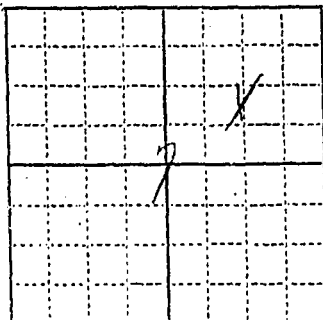
RECEIVED

SEP 11 1972

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

Lot # 11, Second
Amended Certificate
of Survey # 497

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	6 5/8" 18-27H	0	26	CUT 1/8	21	25



1/4 Sec. 7 T. 4 R. 23
Indicate location of well and
place of use, if possible. Each
small square represents 10 acres.

Static Water Level for non-flowing Well 12 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 4 feet at 25 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BAHLEN PUMP Length of Test 4 HR

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

2.9 acres irrigated, if used for irrigation)

PIPE EXD 2' ABOVE

GROUND

Show exact depth of bottom

1352, 185082

Filed for

5th

72

P.

Driller's License Number

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.

50825

#155

165089

COUNTY OF CARVER, MINN.

Office of the County Clerk & Recorder

I hereby certify that the within

was filed

for record by my office this 5 day

of A. D. 1915

at 2:30 o'clock P. M.

Attest my hand and the seal of

said County

County Clerk and Recorder

Deputy

Fees \$

MONTANA DEPARTMENT OF NATURAL RESOURCES

RECEIVED
SEP 11 1915

State of Montana
County of Carver
Clerk and Recorder
John H. Jones
and any
number of
59,828

185089

COUNTY OF COCKER

Official Use. County Clerk & Recorder

I hereby certify that the within
[unclear] was filed
for record by [unclear] on this [unclear] day
of [unclear] A.D. 19 [unclear]
at [unclear] o'clock [unclear] M.

Attest my hand and the seal of
said County

Clerk and Recorder

Deputy

Fees \$ [unclear]

RECEIVED

SEP 11 1919

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

185089
County of Cocker
Official Use
County Clerk & Recorder
I hereby certify that the within
[unclear] was filed
for record by [unclear] on this [unclear] day
of [unclear] A.D. 19 [unclear]
at [unclear] o'clock [unclear] M.
Attest my hand and the seal of
said County
Clerk and Recorder
Deputy
Fees \$ [unclear]

File No.

DUPLICATE

RECEIVED

JUL 8 1977

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

Top of Ground

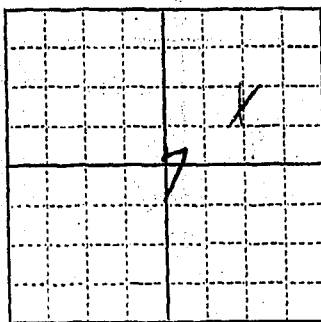
(Elev. above sea level)

TOP SOIL

SANDY-CLAY

WATER AT 21

SAND & GRAVEL

LOT 20-D, Second
Amended Certificate
of Survey #497

1/4 Sec. 7 T. 4 R. 25 S. 1 E. R.D. 18
Indicate location of well and
place of use, if possible. Each
small square represents 10 acres.

Show exact depth of bottom.

Doc. No. #1351, 185090
Filed for record
this 5th day of July
A.D. 1977, at 2:30
o'clock P.M.

188
Driller's License Number
B. R. Long
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.

F.B.

59,829

T.

4 R. 25

County

MONTANA

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1981)

Owner George FREEMAN

Address

1885 WINE MILLER

Driller L. P. DRILLING

Address

BILLING MONT

Date of Notice of Appropriation of Groundwater

Date well started 5/28/77 Date Completed 5/28/77

Type of well DRIVEN
(dug, driven, bored or
drilled)Equipment Used DRIVER
(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)
3 1/2	3 1/2" 12 ft	0	33	Cut 1/8	20	23

Static Water Level for non-flowing Well 12 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 10 feet at 25 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested P.M.P. Length of Test 8 H.R.

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

PIPE EXT 21 ABOVE

G.D.M.

37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																					
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200

proceeding against any person to stop or prevent the use of the same shall be subject to the same penalties as those provided for in the provisions of the laws of this State relating to the same.

2001-10-20 only

Register ☐ Deed ☐ Mortgage ☐ Lease ☐ Easement ☐ Other ☐

Office of the County Clerk & Recorder
County of Carbon

Date well started 2-28-11

2011-10-20

155090

DUPPLICATE

COUNTY OF CARBON
Office of the County Clerk & Recorder

I hereby certify that the within
Appropriation was filed
for record on this 5 day
of July A.D. 1912
at 2:38 o'clock P.M.

Attest my hand and the seal of
said County
Frank Strickland
County Clerk and Recorder
Deputy

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
T. 4 R. 23
County CARBON

File No.
DUPLICATE

Top of Ground

(Elev. above sea level)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

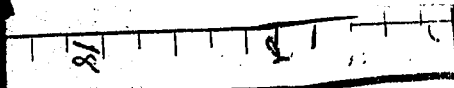
Owner George Freeman Address 1011 E. 1st St.
Driller J.P. Drilling Address 1111 1st St.

Date of Notice of Appropriation of Groundwater

Date well started 5-28-11 Date Completed 5-28-11

Type of well dry
(aug, driven, or other)
Equipment Used Aug
(Churn, drill, rotary or other)

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



File No.

DUPLICATE

JUL 6 1972

T. 4 R. 23

County CARBON

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237 Montana Session Laws, 1961)

Owner George Freeman Address Joliet, Mont
Driller W. D. DILLON Address Billings, Mont

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

Date well started 5/28/71 Date Completed 5/28/71

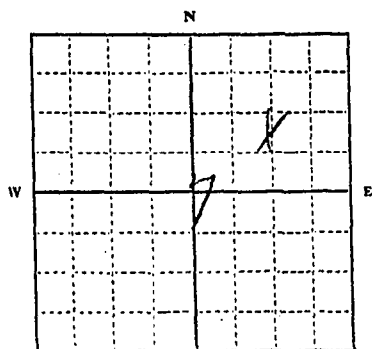
Type of well DRIVEN Equipment Used DRIVER
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

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)
3 1/2	3 1/2" 12 lb	0	23	cut 1/8	20	23

LOT 22-D, Second
Amended Certificate
of Survey # 497



1/4 Sec. 7 T. 4 R. 23
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 12 feet.

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

Pumping Water Level 10 feet at 35 gal. per minute.

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

Flow Tested 10 Length of Test 5 min.

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).....

PIPE EXT 21 ABOVEG.P.A.

Show exact depth of bottom.

SEP 11 1972

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

This form to be prepared by driller, and 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 Mining and Geology and Quadruplicate for the Appropriator.

59,829

13
MONTANA DEPARTMENT OF
RESOURCES AND CONSERVATION
NATURAL RESOURCES

185090

RECEIVED

SEP 11 1912

Office of the County Clerk & Recorder

I hereby certify that the within
_____ was filed
for record on this _____ day
of _____ A. D. 1912
at _____ M.

Witness my hand and the seal of
said County

Clerk and Recorder

By _____ Deputy
Eos & _____

59,829
The Montana Bureau of
Geological Survey
BUTTE

#13
HOLD A DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

188090

RECEIVED

SEP 11 1912

Office of the Clerk & Recorder

I hereby certify that the within
Urban location was filed
for record on the 5 day

of Aug A. D. 1912
at 1:30 o'clock P. M.

Attest my hand and the seal of
said County

[Signature]
Clerk and Recorder

By [Signature] Deputy
Form 8

File No.

DUPLICATE

RECEIVED

JUL 6 1972

T 4 R 23

County CARBON

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATIONSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

TOP SOIL

SANDY CLAY

SAND + GRAVEL

WATER AT

21'

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner GEORGE FREMAN Address

Drilled by O. D. RILLING Address BILLINGS MONT.

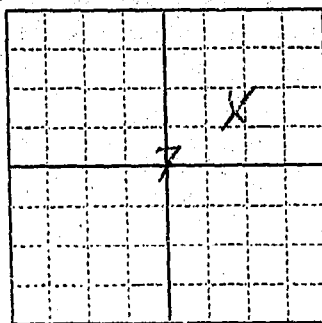
Date of Notice of Appropriation of Groundwater

Date well started 4/25/72 Date Completed 4/26/72

Type of well DRILLED Equipment Used CABLE
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

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

Size of Drill Hole	Size and Weight of Casing	From (Feet)	To (Feet)	EXTRICATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	6 5/8" 17-87	0	26 1/2	CWT 1/8"	21'	25'

LOT #8B. Second
AMENDED CERTIFICATE
OF SURVEY #4971/4 Sec. 7 T. 4. R. 23
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 14 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 12 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BALL CO. PUMP Length of Test 4 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)

PIPE EXT 1" ABOVE

BROWNS

Doc. No. #1353, 185088
Filed for record
this 5th day of July
A. D. 1972 at 2:45
o'clock P. M.MONT 188
Driller's License Number
Bo J. R. L. S.
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.

F+B

50822

#1353 185088

COUNTY OF CARMEN
Office of the County Clerk & Recorder

I hereby certify that the within
Appropriation was filed
for record in my office this 5 day
of July A. D. 19 72
at 2:45 o'clock P. M.

Attest my hand and the seal of
said County
Jack A. Thaidik
County Clerk and Recorder

Owner
Address T. 4S R. 23E Sec. 7
Location 1353 - 185088
Doc. No. 1352 - 185089
1351 - 185090

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

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 ground-
water right.

Special Instructions:
Please provide, as indicated in red on the attached forms, the owner's name and
address for each groundwater right appropriation.

RECEIVED

SEP 11 1972

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

pending water and right to apply water flow in the well
shown below at which water is appropriated (applies not in case of water
rights not water in ground water or not clear water rights flow on any one
and subject to the provisions of the provisions and improve in the different

Method of: ☒ Domestic ☐ Industrial ☐ Other ☐ Irrigation ☐

Use of well: ☒ Domestic ☐ Industrial ☐ Other ☐ Irrigation ☐

Date of application for Groundwater

Flow gpm	Flow cfs	Flow ft ³ /min	Flow ft ³ /hr	Flow ft ³ /day	Flow ft ³ /year
2.1	0.047	0	0	0	0

File No.

DUPLICATE

County CARBON

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner George Freeman Address Joliet, Mont
1035 WINE MILLER
Driller D. D. Drilling Address BILLINGS, MONT.

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

Date well started 4/25/72 Date Completed 4/26/72

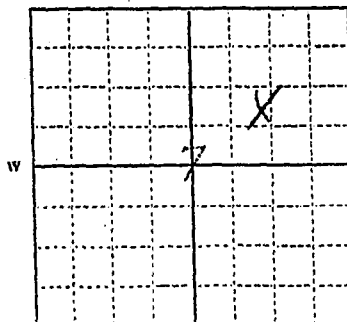
Type of well DRILLED Equipment Used CABLE
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shal., 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)
7"	6 5/8" 17-37	0	26 1/2	CWT 1/8"	21'	15'

LOT #8B. Second
AMENDED CERTIFICATE
OF SURVEY #497



..... Sec. 7 T. 4 R. 25
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

SEP 11 1972

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

#1353, 185088
Filed July 22
P.

Driller's License Number

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.

F.L.C.

50,822

185088

CLERK OF DISTRICT COURT
COUNTY OF CARMACK

Office of the County Clerk & Recorder

I hereby certify that the within
instrument was filed
for record in my office this 5 day
of 1972 A.D., 1972
at 2:00 o'clock P.M.

Attest my hand and the seal of
said County

County Clerk & Recorder

By Deputy

Fees \$

RECEIVED
SEP 11 1972
MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

185088

COUNTY OF CROW

Office of the County Clerk & Recorder

I hereby certify that the within

Deed was filed

for record in my office this 5 day

of June, 1972

at 1:20 o'clock P.M.

Attest my hand and the seal of
said County

County Clerk & Recorder

by _____ Deputy

Fees \$ _____

RECEIVED
SEP 11 1972
MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—42329

File No. 1219

MONTANA WATER RESOURCES BOARD

RECEIVED

MAY 10 1968

DUPLICATE

LOG

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

County Carbon

Top of Ground

(Elev. above sea level _____)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1962)

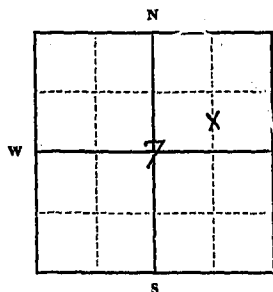
0-19 Sandy Top Soilwater19-26 1/2 Thick Sand27 1/2 Top S shaleOwner Lester HallAddress Galati, MontDriller B & H DrillingAddress Fishhook, Mont

Date of Notice of appropriation of groundwater _____

Date well started 5/1/68Date completed 5/1/68Type of well DrilledEquipment used Chusen drillWater 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 inch	6 5/8 280 wall	1+	26 1/2	Torch Cut 1/4 x 6	21	25

Static Water Level for non-flowing well 9 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 15 feet
at 30 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested BailerLength of Test one hr.

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

1/4 Sec. 7 T. 4 R. 23
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

26 1/2 ft

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

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

Driller's License Number

Driller's Signature

N027

Red L. Hagan

44,116

#1219

172279

STATE OF IOWA (NA.)
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder

Whereby certify that the within
Water filing was filed
for record in my office this 7 day
of May A. D. 1968
at 1:50 o'clock P. M.

Attest my hand and seal of
said County

FRANK DANICHEK, COUNTY CLERK

by Long A. Zupow Deputy

Fees \$ 2.00 pd.

File No. 1218T 4 R 23

DUPLICATE

MONTANA WATER RESOURCES BOARD

RECEIVED

MAY 10 1968

LOG

County Carbon

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

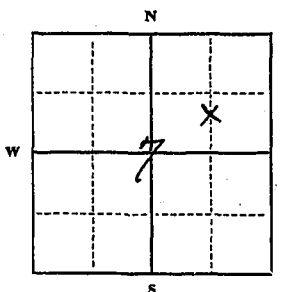
Owner Teater HallAddress Fish Lake, MontDriller B & H DrillingAddress Fish Lake, Mont

Date of Notice of appropriation of groundwater

Date well started 5/2/68 Date completed 5/2/68Type of well Drilled Equipment used Churn drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	6 5/8 280	1+	27	Torch Cut 1/8 x 6	23	26

Static Water Level for non-flowing well 10 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 20 feet
at 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BailerLength of Test 2 hrs

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

1/4 Sec 7 T 4 R 23
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

35 ft

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

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

No 27
Driller's License NumberPaul E. Hargrave
Driller's Signature.

44,117

172278

By Louy J. Zupan Deputy Clerk and Recorder

[illegible]

OW 2

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

File No.

RECEIVED

T 4 So. R 23 East

DUPLICATE

APR 20 1955

County Carbon

STATE OF MONTANA
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

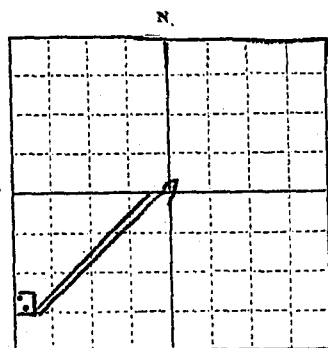
Owner ADOLPH & HELEN LAND Address Joliet, MontanaDriller Adolph Land Address Joliet, MontanaDate of Notice of Appropriation of Groundwater November, 1954Date well started Nov., 1954 Date Completed April, 1955

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8"	1 ft.	56 ft	---	---	---



SW 1/4 Sec. 7 T 4 S R 23 E

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

Show exact depth of bottom.

Drilled 1397 188146
Filed record
on 16 day of April
A.D. 1955 at 4:20
O'clock P.M.

Static Water Level for non-flowing Well 25 feet.Shut-in Pressure for Flowing Well springingPumping Water Level 50 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested pumping Length of Test 18 years

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)

Adolph Land
Driller's Signature
Helen Land
Owner's Signature OWNERS

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.

52,962

#1397 188146

County of Carbon

Clerk & Recorder

I hereby certify that the within
Appropriation was filed
in my office this 18 day
of April A. D. 1913
at 4:20 o'clock P. M.

Attest my hand and the seal of
said County

Charles Daniluk

Clerk and Recorder

Deputy

Page 3

200

GW 2

File No.

RECEIVED

T 4 So. R 23 East

DUPLICATE

County CARBON

APR 20 1973

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

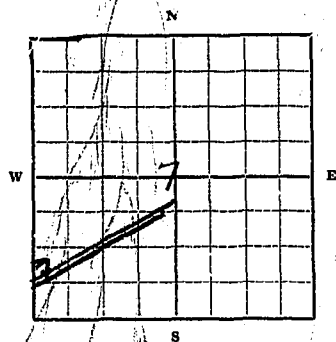
**Notice of Completion of Groundwater
Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

Owner ADOLPH & HELEN LAND Address Joliet, MontanaDriller Adolph Land Address Joliet, MontanaDate of Notice of Appropriation of Groundwater November, 1955Date well started Nov., 1955 Date Completed April, 1956Type of well drilled Equipment Used drill
(dug, driven, bored or (Churn, drill, rotary or
drilled) 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)
8"	8"	1 ft.	50 ft.	--	--	--



SW 1/4 Sec. 7 T. 4S R. 23 E

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

Static Water Level for non-flowing Well 25 feet.Shut-in Pressure for Flowing Well ---Pumping Water Level 25 feet at 5 gal. per minute.Discharge in gal. per min. of flowing well ---How Tested pumping Length of Test 17 years

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) ---

Show exact depth of bottom.

Doc. No. 1396, 188145

Filed for record

this 18th day of AprilA. D. 1973, at 4:15o'clock P.M.

Adolph Land
Helen Land
 OWNERS

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 School of Mines and Quadrangle for the Appropriator.

50,961