

#1350

185091

CLERK OF COUNTY OF CARRON SS.
I hereby certify that the within

Appropriation was filed
in my office this 5 day
of July A.D. 1972
at 2:30 o'clock P.M.

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

By 2:40 Deputy

Fees \$

Carson

to be made of record

to be made of record

2/1/72

2/1/72

2/1/72

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2/1/72

File No. 59T. 45 R. 23 E

DUPLICATE

County CarbonSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

MAY 24 1965

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0-22 Sand & Gravel22-25 Brown Clay25-29 Quick Sand29-38 Brown Clay38-55 Grey Shale55-60 Sandy Grey ShaleOwner Mr. Alec Krug Address Joliet, Mont.Driller B & H Drilling Address Fickel, Mont.

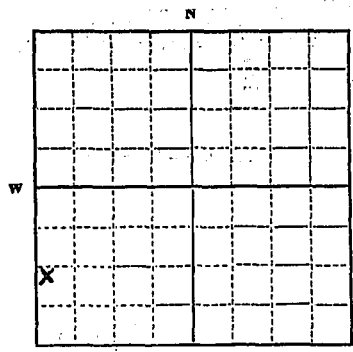
Date of Notice of Appropriation of Groundwater.....

Date well started 12/14/62Date Completed 12/20/62Type of well Drilled
(dug, driven, bored or drilled)Equipment Used Churn Drill
(Churn, drill, rotary or other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

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

60-855 ft Grey Shale85-95 Sandy Grey Shale

Size of Casing	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 in	7 in	14	41			
	17 #					
	5 in	10	95		86	83
	16 Gauge				51	54



1/4 Sec. 14 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.

95 ftStatic Water Level for non-flowing Well 25 feet.

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

Pumping Water Level 80 feet at 30 gal. per minute.

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

How Tested Bailer Length of Test 1 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 acres irrigated, if used for irrigation).....

No 27
Driller's License NumberRed L. Horgan
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.

4492

#59

156160

STATE OF MONTANA,
COUNTY OF CARBON

Office of the County Clerk & Recorder

I hereby certify that the within
Water Approp. was filed
for record in my office this 4TH day
of March A. D. 1963
at 11:10 o'clock A. M.

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

By Long A. Zupers Deputy
Clerk and Recorder

Fees \$ 2.00 pd.

Handwritten notes and stamps on the right side of the document, including a large "F" and various numbers and signatures.

File No. 22

DUPLICATE

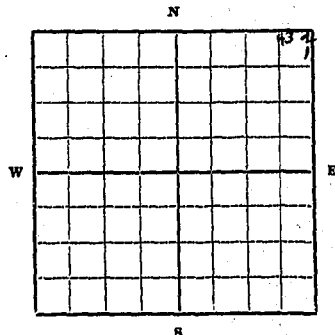
County Carbon

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
MAY 24 1963
STATE ENGINEER

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



NE 1/4 Sec. 15 T. 11 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 Drinking & Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been No. 1 & 2 1894 dug
No. 3 1942 drilled
No. 4 1945 dug
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 60 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 Drinking & live stock
irrigating down & garden
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1/4 mile
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater No. 1 No. 2 1894
No. 3 1942
No. 4 1945
8. The depth of water table 8'
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 15'
10. The estimated amount of groundwater withdrawn each year 8,640,000 gal.
11. The log of formations encountered in the drilling of each well if available gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None to my knowledge

Signature of Owner Lillie Jensen

Date Feb. 21 - 1962

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

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

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

4456

23

152998

STATE OF MONTANA, }
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder

I hereby certify that the within

Water appropriation was filed
for record in my office this 21st day
of February A. D. 1962
at 10.45 o'clock A. M.

Attest my hand and the seal of

said County

George W. Haskerud

Clerk and Recorder

By _____

Deputy

Fees \$ 2.00

File No. 735

T 4 R 23
County Carbon

RECEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
JAN 20 1962

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

1. Wilbur Wilber, of Juliet 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	<u>15</u>	E
	S	

SW 1/4 SW Sec. 15 T. 4 R. 23

2. The beneficial use on which the claim is based

for house stock

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

Constant use

Spring 54

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

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

is not used for irrigation

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

electric pump

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

Jan 54 - Mar 54

8. The depth of water table

45'

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

drilled - 6" casing

10. The estimated amount of groundwater withdrawn each year

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

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

Date Dec 31

Signature of Owner Mrs Wilbur Wilber

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 _____

43,922

735

159438

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 1:40 o'clock P. M.

Attest my hand and the seal of
said County

FRANK DANICHEK, COUNTY CLERK

Clerk and Recorder

By Alvin E. Groves Deputy

Fees \$ 2.00

Carbon

SHELLEWATER COUNTY
STATE OF MONTANAFile No. 992 ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERTwp 4, Rge 23 EDECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)1. Vernon J. Williams, of Jaliet, Mont.
County of SHELLEWATER, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

	Sec. 15	Sec.	Sec.	Sec.	Sec.	Sec.
RECEIVED JAN 30 1968						
WELLS	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
2. Basis of Beneficial Use	<u>Lingstrich</u>					
3. Approx date of Use	<u>1952</u>					
How continuous?	<u>since</u>					
4. Amount claimed in miner's inches or gallons per min.	<u>10 gpm</u>					
5. Acres irrigated						
Description	<u>None</u>					
Name of Owner						
6. Location of Well	<u>NE SE</u>					
Means of Withdrawal	<u>15-4-23</u>					
7. Date-Commencement	<u>Pressure Pump</u>					
Date-Completion	<u>1952</u>					
8. Depth of water table	<u>1952</u>					
9. Type, size, depth or specifications of works	<u>50 Ft</u>					
10. Estimated amount withdrawn annually	<u>700,000</u>					
11. Log, if available	<u>none</u>					
12. Other information						

Signature of owner Vernon J. WilliamsDate Jan 8, 1964

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

43,906

#992

159769

STATE OF MONTANA, }
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder.

I hereby certify that the within

State App. was filed
for record in my office this 8th day
of January A. D. 19 64
at 4:20 o'clock P. M.

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

By Alvin E. Grew ^{Clerk and Recorder} Deputy

Fee: \$ 2.00

16

28-
C. S. Brown

RECEIVED

JAN 26 1958

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

	N	
E		E

Drinking water

~~Confidential~~

PTNR ⁷/₇ SN Sec. ~~1~~ T. 45 R. 28E

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

43, 123

#806

159514

STATE OF MONTANA }
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder

I hereby certify that the within

Appropriation was filed
or record in my office this 31 day

of Dec A. D. 1963

at 4:54 o'clock P. M.

Attest my hand and the seal of
said County

FRANK DANICHEK, COUNTY CLERK

Oliver E. Givens Deputy
County Clerk and Recorder

Fee: \$ 2.00

File No. 288

MONTANA WATER RESOURCES BOARD

DUPLICATE

T. 45 R. 23 E 16

County Carbon

STATE OF MONTANA

JAN 26 1968 ADMINISTRATOR OF GROUNDWATER CODE

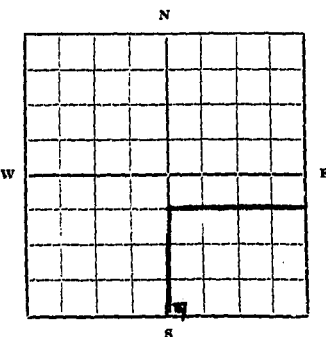
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Daisy Newton, Quentin R Newton RFD No 1 Joliet
(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:



SE 1/4 Sec 16 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 Domestic Live Stock Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1926 May

Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 g p m

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

Lawns 1/4 acre

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

Hand Pump Original Electric Pump Present

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 1926

8. The depth of water table 25 Feet

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

drilled well 6" steel Casing 38 Feet

10. The estimated amount of groundwater withdrawn each year 400,000 gal's

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

Not Known

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

a previous well dug by hand about 1912, 50 ft NW of present well, was used prior to 1926

Signature of Owner Quentin R. Newton

Date December 13, 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.

43,515

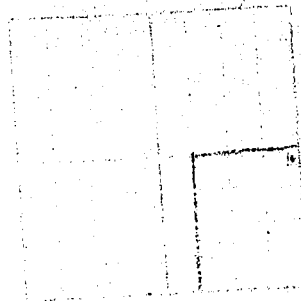
#288 158870

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

Hereby certify that the within
Water App. was filed
for record in my office this 16 day
of April A. D. 1963
at 8:10 o'clock A. M.

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

By _____ Deputy
Fees \$ _____



RECEIVED
APR 16 1963

RECEIVED
APR 16 1963

RECEIVED
APR 16 1963

RECEIVED
APR 16 1963

RECEIVED

APR 23 1959

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

Owner Eugene Stender Address Joliet, Mont.

Driller B & H Drilling Address Fishtail, Mont.

Date Started 4/14/59 Date Completed 4/15/59

Location: Sec. 16 T. 25 R. 23E 1/4 sec.

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other: _____

Casing: 0 ft. to 10 ft. Type Cement tile Size _____

Casing: 6 ft. to 27 ft. Type Black Dren Size 6 1/2 OD 6 DD

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 15 feet at 25 gal. per min.

How tested: Baled

Length of test One hr.

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

(over)

[illegible]

Distance

GW 2

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

File No. 1004 MONTANA WATER RESOURCES BOARD

RECEIVED

JAN 26 1968

T 4 R 23County Carbon

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

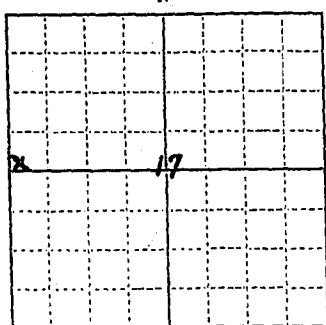
Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Alma Martin Address IdahoDriller Paul Poirer Address IdahoDate of Notice of Appropriation of Groundwater 1953Date well started 1953 Date Completed 1953Type of well Drilled Equipment Used Churn
(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)
	<u>8 inch iron</u>	<u>0</u>	<u>32</u>			

SW 1/4 NW 1/4 Sec. 17 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 26 feet.Shut-in Pressure for Flowing Well nonePumping Water Level 20 feet at 15 gal. per minute.Discharge in gal. per min. of flowing well noneHow Tested estimate Length of Test —Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)
none used for irrigation

Driller's License Number

Alma Martin
Driller's Signature owner

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.

43,463

RECEIVED
JUL 1 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Clarence Young Address Joliet, Montana
Driller B & H Drilling Address Fishtail, Montana
Date Started April 15, 1959 Date Completed 4/24/59
Location: Sec. 17 T. 4 S R. 23 E $\frac{1}{4}$ sec SW $\frac{1}{4}$ - SW Corner of SW $\frac{1}{4}$

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

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

Casing: 3 ft. to 24 ft. Type Black Iron Size 6 5/8 and 6 - del
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____

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

Type of screen or perforations _____

Static Water level, for non-flowing well: 13 feet.

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

Pumping water level 18 feet at 15 gal. per min.

How tested: Baler

Length of test One hr.

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

Gravel packed

(over)

Log of Well

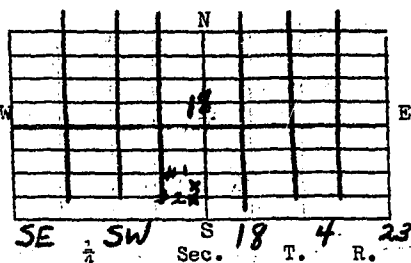
[illegible]

GWL
File No. 959 RECEIVED
JAN 26 1968
T 4 R 23
County CARBON

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Morris Hendricks 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:



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

3. Date or approximate date of earliest beneficial
use; and how continuous the use has been
2-1900

4. The amount of groundwater claimed (in gallons per day
inches or gallons per minute)
1-2,000,000 gpd

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.

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

7. The date of commencement and completion of the construction of the well, wells, or
other works for withdrawal of groundwater
2-1900

8. The depth of water table
1-16'

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-pipe

10. The estimated amount of groundwater withdrawn each year
1-2,000,000 gpd 2-800,000 gpd

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

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

Date 1/2/64 Signature of Owner Morris Hendricks

STATE OF MONTANA,) County of Carbon ss.

He Morris Hendricks of lawful age and mind, being first duly sworn, depose and say that
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 _____

43,189

#959

159676

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 2 day
of Jan. A. D. 19 64
at 1:40 o'clock P.M.

Attest my hand and the seal of
said County

FRANK DANICHEK, COUNTY CLERK

Clerk and Recorder

By Joseph J. Zupar Deputy
Fees & 3.00 pd.

File No. 1005

MONTANA WATER RESOURCES BOARD

T. 4 R. 23 18

DUPLICATE

RECEIVED

County Carbon

JAN 26 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

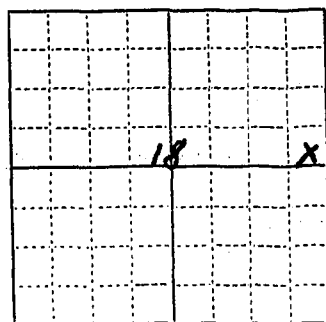
**Notice of Completion of Groundwater
Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

#1 Owner Alma Martin Address Joliet
#2 Driller Paul Pierce Address Bridge
#1-1894 #2-1894Date of Notice of Appropriation of Groundwater 1894 1936Date well started 1936 Date Completed 1936Type of well #1-driven #2-drilled Equipment Used churn
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒ #2

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)
#1-4"	4"	0	30			
#2-8"	8"	0	28			



SE 1/4 NE Sec. 18 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 28 3-24 feet.Shut-in Pressure for Flowing Well nonePumping Water Level 20 feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested estimate Length of Test _____

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) _____

no irrigation

Driller's License Number

Alma A. Martin
Driller's Signature
OWN

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.

43,464

#1005 159821

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 15 day

of January A. D. 19 64

at 2:20 o'clock P. M.

Attest my hand and the seal of
said County

Frank Stuchlik
Clark and Recorder

by _____ Deputy

Fees \$ 2.00

File No. 1199

MONTANA WATER RESOURCES BOARD

T. 4 R. 2318

DUPLICATE

LOG

JAN 26 1968

County CarbonSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERTop of Ground 0-2 Top Soil(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 Jerry PalmerAddress Joliet, MontDriller B & H DrillingAddress Fish Lake, MontDate of Notice of appropriation of groundwater Date well started 7/11/67Date completed 7/11/67Type of well

(Dug, driven, bored or drilled)

Equipment used

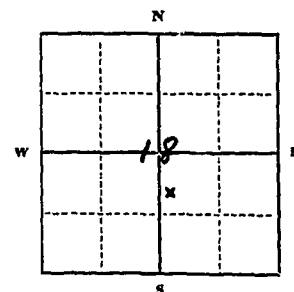
(Churn drill, rotary or other)

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	65/8 18.97	1+	21' 11"	Touch Cuts 3/4 x 6	17	21

Static Water Level for non-flowing well 6 feet.Shut-in Pressure for Flowing Well Pumping Water Level 15 feetat 25 gal. per minute.Discharge in gal. per min. of flowing well How Tested 13 ailesLength of Test 1 hrRemarks: (Gravel packing, cementing, packers, type of shutoff)

NW 1/4 Sec. 18 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.

24 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

43,542

170065

Office of the County Clerk & Recorder

I hereby certify that the within

Water filing was filed
for record in my office this 25 day
of July A. D. 19 67
at 1:55 o'clock P. M.

Attest my hand and seal of
said County

FRANK DANICHEK, COUNTY CLERK

Clark and Miller

By James J. Egan Deputy

Page \$ 200 Ref

100-443887-100

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100-443887-100

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 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2818

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Journal of Management Studies, 19(1), 67-80.

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Journal of Management Studies, 20(6), 791-806.

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 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2818

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was significantly higher than the number of incorrect responses in all cases. The number of correct responses was significantly higher than the number of incorrect responses in all cases.

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...and the *Journal of the American Medical Association* (JAMA) has been the most widely cited journal in the field of medicine for over 100 years.

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GW

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

File No.

538

T.

4

R.

23

DUPLICATE

JAN 26 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County

Carbon

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Cook, W.C. & Alice M.

1.

To Larry & Lucile Palmer

(Name of Appropriator)

of

(Address)

Joliet

(Town)

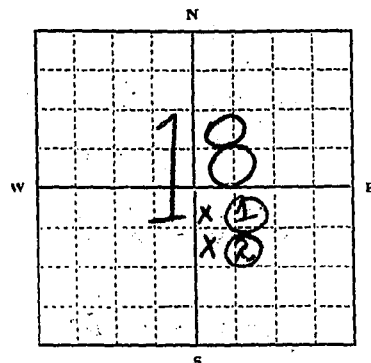
County of

Carbon

State of

Montana

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



1/4 Sec. T. R.

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

1. NWSE 18 4-23

2. NWSE 18 4-23

2. The beneficial use on which the claim is based 1. Domestic
2. Stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1. 1902
2. 1902
Used from that date on.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1. 250 gals per day
2. 500 gals per day

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
NONE

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
1. Jet pump
2. pressure pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1. 1902 2. 1902

8. The depth of water table 1. 15 ft 2. 15 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 1. 30 ft in depth, dug well
2. 30 ft in depth, 8 in casing

10. The estimated amount of groundwater withdrawn each year 1. 91,250
2. 182,500

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

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

Signature of Owner

Larry Palmer

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.

43,575

538

159228

STATE OF MONTANA,
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder

I hereby certify that the within
Water Right was filed
for record in my office this 30 day
of Dec. A. D. 1962
at 11:52 o'clock A. M.

Attest my hand and the seal of
said County

FRANK DANICHEK, COUNTY CLERK

Clerk and Recorder

By Alice E. Kinner Deputy

Fees \$ 2.00

File No. 350

T. 4 R. 23

DUPLICATE

County Cadotte

JAN 26 1963

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 1895

Owner John Dietz

Address John Dietz

Contractor (if any) none

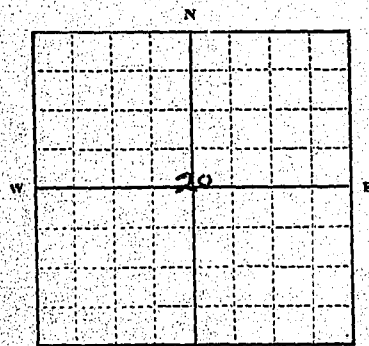
Address of Contractor _____

Date Started _____

Date Completed _____

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

natural spring



NE 1/4 NW Sec. 20 T. 4 R. 23

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

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

estimate approximate lengths of periods of use Continuous

about 10 minutes inches

Signature of Owner John Dietz

Date Dec. 20, 1963

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

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

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

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

42,065

350

158980

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 20 day
of Dec. A. D. 19 63
at 1:30 o'clock P.M.

Attest my hand and the seal of
said County

FRANK DANICHEK, COUNTY CLERK

FRANK DANICHEK, COUNTY CLERK

By Henry B. Zupan

Page 3 200 pl

File No. 349T. 4 R. 23

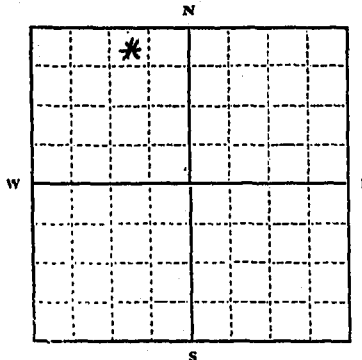
DUPLICATE

County CarbonMONTANA WATER RESOURCES BOARD
JAN 26 1968STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, John Dietz, of Carbon, (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:



NE 1/4 NW Sec 2, 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 and stock.3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 18974. The amount of groundwater claimed (in miner's inches or gallons per minute). 30 gal per minute5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
none6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Pressure Pump7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 18978. The depth of water table. 14 feet9. 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.
18 feet deep, dug well, Rock Capped.10. The estimated amount of groundwater withdrawn each year. 200,000 gal11. The log of formations encountered in the drilling of each well if available.
none12. 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.
noneSignature of Owner John Dietz

Date

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

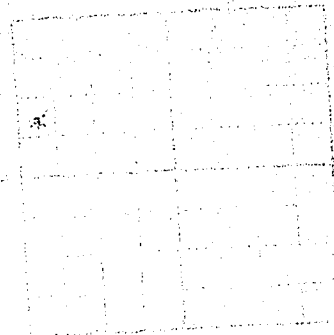
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

43064

#349

158979



RECORDED
INDEXED
JAN 10 1964

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 20 day
of Dec. A. D. 1963
at 1:25 o'clock P. M.

Attest my hand and the seal of
said County

FRANK DANICHEK COUNTY CLERK
Clerk and Recorder

By Jerry J. Zupan Deputy
Exec. S. 500 pd.

GW 2

File No.

1094

RECEIVED
JAN 26 1968

Approved Stock Form—State Publishing Co., Helena, Montana—4252

T 4 S R 23 E - 20

DUPLICATE

LOG

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

Top of Ground

(Elev. above sea level)

0-12 1/2 Sand Dug

1/2 water

12-24 1/2 Sand Gravel

Grey Clay

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

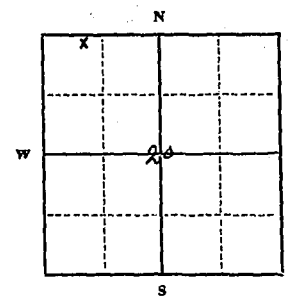
Owner Jack LumaAddress Poliet, MontDriller B. H. DrillingAddress Fish Lake, Mont

Date of Notice of appropriation of groundwater

Date well started 5/10/65Date completed 5/10/65Type of well
(Dug, Driven, bored or drilled)Equipment used
(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 19 #	3-	24	Tech Cuts	19	24

Static Water Level for non-flowing well 11 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 15 feetat 30 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)

N.W. 1/4 Sec. 22, 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.

24.5

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 NumberReel L. Hugan
Driller's Signature

43,385

GV

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

File No. 884T. R.
County Carbon

DUPLICATE

MONTANA WATER RESOURCES BOARD

STATE OF MONTANA

RECEIVED

ADMINISTRATOR OF GROUNDWATER CODE

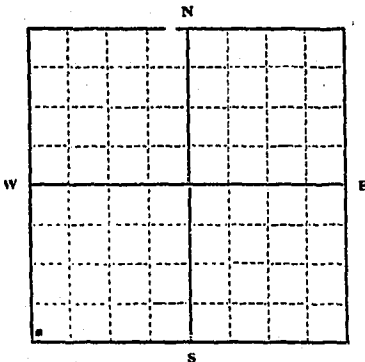
OFFICE OF STATE ENGINEER

JAN 26 1968

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Guy J. Sowers, of Box 132 Joliet
(Name of Appropriator) (Address) (Town)
County of Carbon State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 2, T. 4, R. 23E

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

2. The beneficial use on which the claim is based stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been DATE UNKNOWN TO ME
HAS NOT BEEN USED FOR SEVERAL YEARS
4. The amount of groundwater claimed (in miner's inches or gallons per minute) UNKNOWN
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal No PUMP AT PRESENT TIME, PLAN TO USE FOR STOCK WATER - SUBMERGED PUMP
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater UNKNOWN
8. The depth of water table depth of well 57 feet lined casing
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
10. The estimated amount of groundwater withdrawn each year UNKNOWN
11. The log of formations encountered in the drilling of each well if available UNKNOWN
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record this well was unknown to me when I purchased the place - I found it under some manure in the corral - it is a 6 inch casing with a plug down it. a neighbor says it was used for stock water years ago.

Signature of Owner Guy J. SowersDate 1-2-68

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.

43670

#884

159592

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. 1963
at 7:30 o'clock P. M.

Attest my hand and the seal of
said County

FRANK DANICHEK, COUNTY CLERK

Clifford Macarider

Alvin E. Krasner

200

File No. 885

T. R 21
County Carbon

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 7 Montana Session Laws, 1961)

MONTANA WATER RESOURCES BOARD

RECEIVED

JAN 26 1968

S4S 1/4 Sec 21 T. 4 R. 23E

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

Date Appropriation of Groundwater 12-26-63

Owner ing J. Sowers Address Joliet, Mont.

Contractor (if any) None

Address of Contractor _____

Date Started _____ Date Completed _____

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

running in New Elbow ditch which

runs through my place - after the

water is shut off in the fall this continues

to run until water is turned into the

ditch again in the 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. quantity

unknown - used in fall, winter, and

spring for stock water

Signature of Owner ing J. Sowers

Date 12-26-63

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

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

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

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

42.670

#885

159593

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

I hereby certify that the within
Appropriation was file
for record in my office this 31 day
of April A. D. 1963
at 7:32 o'clock P. M.

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

Alvin E. Graves
Clerk and Recorder

157558

Office of the County Clerk & Recorder

Attest my hand and the seal of
Mid County

Attest my hand and the seal of
Mid County

FRANK DANICHEK, COUNTY CLERK
Clerk and Recorder

By Joseph B. Zupar Deputy

Page 5 200 pd.

[illegible]

100-443887-100

10-10-68

SUBJECT:

[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

... ..

[illegible]

...and the fact that the *Journal* is a journal of the American Psychological Association, the largest and most influential organization in the field of psychology, adds to the impact of the *Journal* on the field.

$$E_{\text{eff}} = E_0 \left(1 - \frac{1}{2} \frac{1}{\beta} \frac{d\beta}{d\omega} \right) \quad (1)$$

— *Journal of the American Medical Association*, 1997

[illegible][illegible]

File No. 516T. 4 R. 23County Carbon

DUPLICATE

JAN 26 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

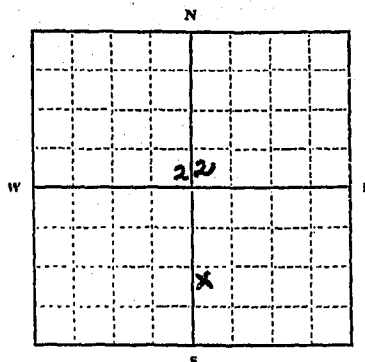
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mrs. Leta L. Carlson,
(Name of Appropriator)

of

(Address)

Edgar
(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 Sec. 22 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 On irrigation, stock water, and domestic use.3. Date or approximate date of earliest beneficial use; and how continuous the use has been Prior to 1939 and used continuously since.4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute.5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
1 acre of lawn grassMrs. Leta L. Carlson6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Force flow pump7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Prior to 19398. The depth of water table 30 feet

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

4" inch steel casing 60 feet deep10. The estimated amount of groundwater withdrawn each year 152,000 gallons11. The log of formations encountered in the drilling of each well if available Not Known12. 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
NoneSignature of Owner Mrs. Leta L. CarlsonDate Dec 25, 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.

42,974

#516

159203

STATE OF MONTANA, }
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder

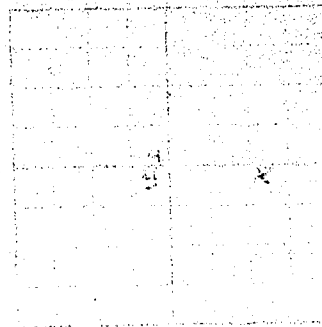
I hereby certify that the within
Water filing was filed
for record in my office this 30 day
of Dec. A. D. 1963
at 10:02 o'clock A. M.

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

Clerk and Recorder

By Jonny A. Zupen Deputy

Fees \$ 2.00 pd.



217125-73-A-153

Handwritten notes and signatures in the right margin, including "11/20/63" and "11/20/63".

769

2. ONTARIO WATER RESOURCES BOARD

T 4 R 23

County

CARBON

22

RECEIVED

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

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

1. Adolph Edward Dietz, of ~~Montana~~ ~~44-444~~ Joliet County of CARBON
State of Montana have appropriated groundwater according to the Montana laws in
effect prior to January 1, 1962, as follows:

[illegible]

SE $\frac{1}{4}$ NE Sec. 22 T. 4 R. 23

2. The beneficial use on which the claim is based

#1 HOUSE & CATTLE
#2 stock

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

#1-1943

* 2 - 1930

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

*2 - 15001/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 22

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater ** 1942 * 2- 1930*

8. The depth of water table 20 FT - both

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

70 feet 6" casing (both)

10. The estimated amount of groundwater withdrawn each year \$2-350,000 gal/yr.
4-700,000 gal/year.

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

GRAVEL + SAND

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

Name _____

Date 12/31/63

Signature of Owner

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

43034

#769

159477

STATE OF MONTANA
COUNTY OF CARBON SS.

Office of the County Clerk & Recorder

I hereby certify that the within

Appropriation was file
for record in my office this 31 day

of Dec A. D. 1963

at 3:27 o'clock P. M.

Attest my hand and the seal

and County
Frank Stenick
Clerk and Recorder

FILE # 200

File No. 519

DUPLICATE

T. 1 S. R. 23 E. 23

County GARCON

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. MARY AGGERS of EDGAR MONTANA
 (Name of Appropriator) (Address) (Town)
 County of GARCON State of MONTANA
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based _____
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1948 - 1962 used every day
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gal.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Mary Aggers
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by well drilled

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1948
8. The depth of water table 93 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 6 in casing 33 ft deep pump has 15 in pipe
10. The estimated amount of groundwater withdrawn each year 250,000 gal.
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

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.

42, 814

#578

159205

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 30 day
of Dec. A.D. 1963
at 10:05 o'clock A.M.

Attest my hand and the seal of
said County

FRANK DANICHEK, COUNTY CLERK

Clerk and Recorder

By Jonny A. Zuppan Deputy
Fms: 200 pd.

File No. 34

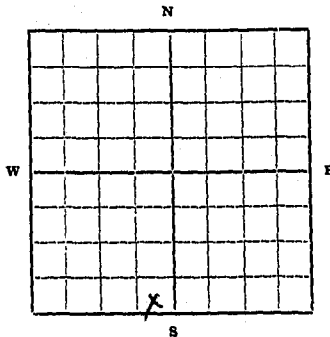
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 45 R. 23 E
County Carbon
RECEIVED
MAY 24 1962
STATE ENGINEER

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

David L. Barn, of Edgar
(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:



SE 1/4 SW 1/4 Sec. 23, 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 Home Water System
3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1952 Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 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 Lawn & Garden Only
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump (Shallow Well Type)
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March 1952
8. The depth of water table 18' Surface To water table
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled Well 32' Deep 6" Steel Casing
10. The estimated amount of groundwater withdrawn each year 500,000 gallons
11. The log of formations encountered in the drilling of each well if available 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 David L. Barn
Date 4-17-62

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 Quadruplicate for the Appropriator.

#34

153502

STATE OF MONTANA, }
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder

I hereby certify that the within
Water appropriation was filed
for record in my office this 18th day
of April A. D. 19 62
at 9.10 o'clock 9 M.

Attest my hand and the seal of
said County
George W. Flaskerud
Clerk and Recorder

by _____ Deputy

Fees \$ 2.00

File No. 289

T 4 S 3 E

DUPLICATE

STATE OF MONTANA WATER RESOURCES BOARD

STATE OF MONTANA

ADMINISTRATOR OF WATER CODE

OFFICE OF STATE ENGINEER

JAN 26 1968

County 3

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John S. and Doris Beale
(Name of Appropriator)

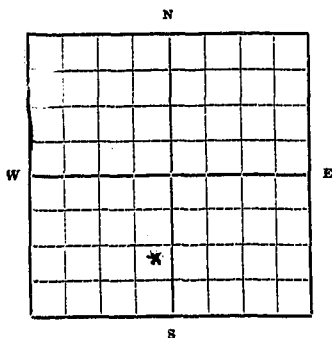
(Address)

(Town)

County of Carbon

State of Montana

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



S 1/4 Sec 13 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 Domestic and Lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Drilled 1952
Continuous use since drilled

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre NW 1/4 Sec 13
T 4 R 23 E
John S. Beale & Doris Beale

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 1952

8. The depth of water 32 feet

9. So far as it may be available, give type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well to a depth of 32 feet 6 in well casing

10. The estimated amount of groundwater withdrawn each year 350000 gal.

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.

Signature of Owner

John S. Beale
Date Dec 11, 1963

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

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

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

42,927

#289

158871

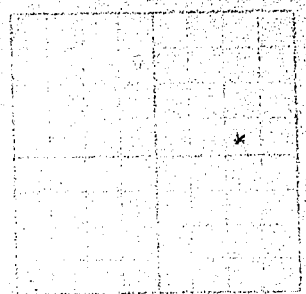
STATE OF MONTANA,
COUNTY OF CARBON } SS.

Office of the County Clerk & Recorder

I hereby certify that the within
Water App was filed
for record in my office this 16 day
of December A. D. 1963
at 8:15 o'clock A. M.

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

By _____ Deputy
Fees \$ 2.00



522

Handwritten notes and signatures in the lower right area.

Handwritten notes and signatures in the lower right area.

Handwritten notes and signatures in the lower right area.

Handwritten notes and signatures in the lower right area.

Handwritten notes and signatures in the lower right area.

Handwritten notes and signatures in the lower right area.

File No. 509

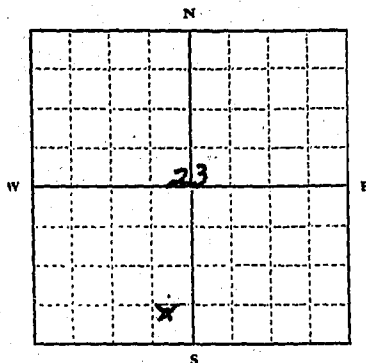
DUPLICATE

T. 4 R. 23
County CarbonMONTANA WATER RESOURCES BOARD
JAN 26 1968STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Dallas and Mary Beals of Edgar
(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:



SE 1/4 SW Sec. 23 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 Domestic and lawn
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Drilled in 1954
continuous used since drilled
4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 3.5 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
4 acre Portion S.E. 1/4 S.W. 1/4
Wb. lot 8 and lot 9
Dallas Beals
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1954
8. The depth of water table 30 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
Drilled to a depth of 30 ft
2 well casing
10. The estimated amount of groundwater withdrawn each year 300,000
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 available

Signature of Owner Dallas BealsDate 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.

42,906

#509

159196

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 63
at 9:40 o'clock A.M.

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

By _____ Deputy

Fees \$ 2.00

Form No. 18
8-60

Sec. 23 23
T. 5 4 S R. 23 E
County Carbon - Edgar mont

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAR 2 1962

Water Well Log

STATE ENGINEER

Owner Jerry + Helen H. Dean Address P.O. Box 144 - Ballinger
Driller Not Known Address Mont
Date Started many years ago Date Completed years ago
Location: Sec. 23 T. 45 R. 23 E $\frac{1}{4}$ sec. SW

Type of well Drilled Equipment used not known
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)

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

Casing: 7 ft. to ft. Type 8" Size Steel 8" dia

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or screened: Ft. ? to ft. Ft. to ft.

Type of screen or perforations not known

Static water level, for non-flowing well: about 14' feet.

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

Pumping water level 14 feet at 20+ gal. per min.

How tested: Elect Pump - Watered 56 Head of Cattle this

Length of test Year

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

This is an old old well that was drilled +
Cased many years ago. This is filed to protect our
water right + Jerry B Dean
(over)

File No. 211

T 4 R 23 23

DUPLICATE

County Carbon

MONTANA WATER RESOURCES BOARD

STATE OF MONTANA

RECEIVED

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

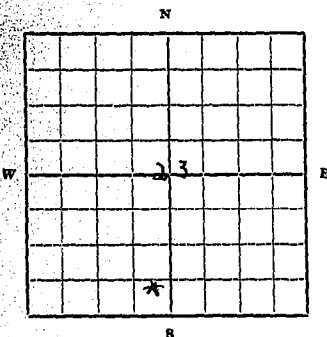
JAN 20 1968

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Robt H + Dorcas Garst of Edgar Montana
(Name of Appropriator) (Address) (Town)

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



SE 1/4 SW Sec 23 T4 R23

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

2. The beneficial use on which the claim is based Domestic & lawn
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Drilled 1951
continuous use since drilled
4. The amount of groundwater claimed (in miner's inches or gallons per minute) About 30 gallons
per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof lots 17 and 18 of block one
of the first addition to
the town of Edgar
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 1951

8. The depth of water table 30 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well to a depth of 30 feet

10. The estimated amount of groundwater withdrawn each year 300000

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

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

Recorded in book 67 of deed on page 64
of the records of County of Carbon

Signature of Owner Robt H Garst

Date Sept 11-1963

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

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

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

43167

#211

158345

STATE OF MONTANA,
COUNTY OF CARBON, SS.

Office of the County Clerk & Recorder

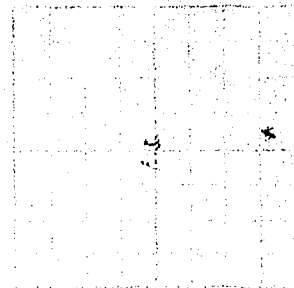
I hereby certify that the within
Water Approp. was filed
for record in my office this 31st day
of October A. D. 19 63
at 8:35 o'clock A. M.

Attest my hand and the seal of
said County.

FRANK DANICHEK, COUNTY CLERK

Clerk and Recorder

By Sony B. Zupen Deputy
Fees \$ 2.00 pd.



[Handwritten notes and signatures in the right margin, including 'S. B. Zupen' and other illegible text.]

File No. 210

DUPLICATE

T. 4 S. R 23 ECounty Carbon

MONTANA WATER RESOURCES BOARD

RECEIVED

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

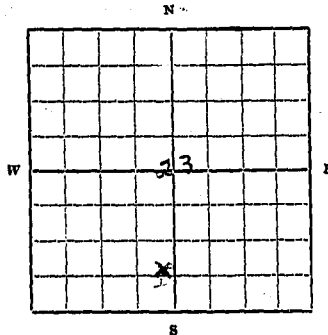
JUL 20 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Robt H and Dora Garst of Edgar Montana
 (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:



S.E. 1/4 SW Sec. 23, 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 Domestic and Lawn

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

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre SE 1/4 of SW 1/4
Sec 23 T. 4 S. R. 23 E Edgar Mont

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

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

8. The depth of water table 32 ft

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

Drilled well to a depth
of 32 feet

10. The estimated amount of groundwater withdrawn each year 350,000 gal

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

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

Signature of Owner

Robt H Garst

Date

Aug 26-62

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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

43146

#210

158344

STATE OF MONTANA,
COUNTY OF CARBON, } SS.

Office of the County Clerk & Recorder

I hereby certify that the within-

Water Approp. was filed

for record in my office this 31st day

of October A. D. 1963

at 8:30 o'clock A. M.

Attest my hand and the seal of
said County

FRANK DANICHEK, COUNTY CLERK

Clerk and Recorder

by Larry A. Zupan Deputy

Fees: 200 pd.

File No. 183

DUPLICATE

T. 4 R. 23

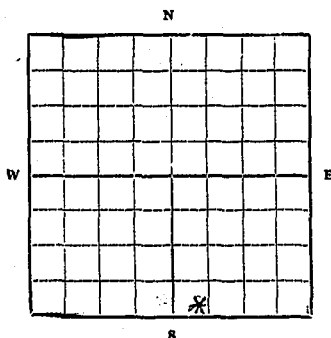
County Carbon

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

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961) **RECEIVED**
JAN 26 1968

1. MR & MRS VICTOR HERMAN, of EDGAR
(Name of Appropriator) (Address) (Town)

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



SW 1/4 SE Sec 2 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 HOUSE
LIFE
3. Date or approximate date of earliest beneficial use; and how continuous the use has been JULY 1954 - CONTINUOUS
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 G.A.L.
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 SMALL LAWN & SMALL GARDEN
SAME
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ELECTRIC
PRESSURE PUMP, EDGAR CARBON, CTV.
MONT.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater JULY 19 - 1954
8. The depth of water table 22' FT.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater DRILLED 6 IN. 32 FT - 18" PP STEEL
CASINGS WELDED JOINTS
10. The estimated amount of groundwater withdrawn each year 45,000 GAL.
11. The log of formations encountered in the drilling of each well if available 14" FINE SAND
2" GRAVEL - 2" FINE SAND - 4" BLUE CLAY & BLUE SHALE -
8" FINE SAND. VEIN OF WATER IN THE FINE SAND FORMATION
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. BOOK 1 - PAGE 82 - LINE 13

Signature of Owner Victor Herman
Mr. Victor Herman
Date 7-11-63

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.

43,268

#183

157477

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

I hereby certify that the within
Water Approp. was filed
for record in my office this 11TH day
of July A. D. 19 63
at 3:35 o'clock P. M.

Attest my hand and the seal of
said County

FRANK DANICHEK, COUNTY CLERK

Clerk and Recorder

By Tom J. Zupan Deputy

Exh. 8 200 jd

4-23

File No. 624

MONTANA WATER RESOURCES BOARD

DUPLICATE

RECEIVED

JAN 26 1962

STATE ENGINEER
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERCounty Carbon

T 4S R 23E

Sec. 23

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

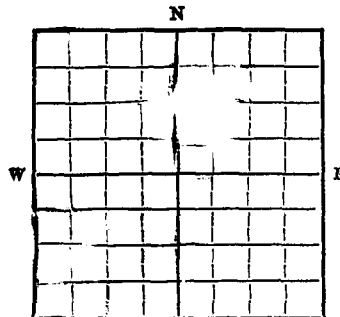
Ellen Holton

(Name of Appropriator)

(Address)

Edgar
(Town)County of CarbonState of Mont.

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



1. 69-128 Block 3
Edgar Locumit
Sec. 23 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 Water for home lawn & garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept. 15, 1948
been used for lawn
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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 Lawn garden four lots
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pumping system
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sept. 15, 1948 completed Apr. 15, 1948
8. The depth of water table at 20 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is 24 ft. deep and cased with 24" sp. pipe
10. The estimated amount of groundwater withdrawn each year 400,000 gal
11. The log of formations encountered in the drilling of each well if available Clay & sand to about 14 ft. gravel 10 feet
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 Ellen HoltonDate 12/26/63

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 School of Mines and Quadruplicate for the Appropriator.

43,213

624

159316

STATE OF MONTANA,
COUNTY OF CARBON } SS.

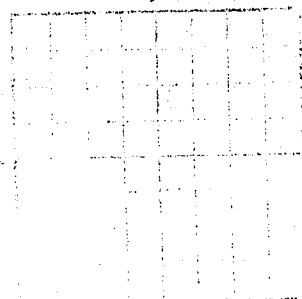
Office of the County Clerk & Recorder

I hereby certify that the within
Appropriation was filed
for record in my office this 30 day
of Dec A. D. 19 63
at 4:30 o'clock P. M.

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

By _____ Deputy

Fee



When a later sheet is
added to this book, the
pages should be numbered
in sequence with the pages
already in the book.

This book is to be used
for recording all
deeds, mortgages, and
other instruments
which are required
to be recorded in
this county.

This book is to be used
for recording all
deeds, mortgages, and
other instruments
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to be recorded in
this county.