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STATE OF MONTANA,
County of Liberty.

FILED Dec 27 1963
at 10:45 o'clock A.M.

By Allen Brown
County Clerk

Fee \$ 2.00

T. 33 N R. 7 E

County Liberty

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
NOV 21 1961

STATE ENGINEER

WATER WELL LOG

x		

Owner **Leif Amundson** Address **Joplin, Montana**

Driller Ernest W. Peterson Address Cut Bank, Montana

Date Started 10-13-61 Date Completed 10-18-61

Location: Sec. 21 T. 33 N. R. 7 E. $\frac{1}{4}$ sec. SW-SW

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

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

Casing: 0 ft. to 232 ft. Type galv. Size 4 1/2 O.D.

Casing:	ft. to	ft.	Type	Size
---------	--------	-----	------	------

[illegible]Perforated or Screened: Ft. 186 to ft. 232 . Ft. _____ to ft. _____

Type of screen or perforations 1/8" x 6" torch perforated

Static Water level, for non-flowing well: 147 feet.

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

Pumping water level **210** feet at **6** gal. per min.

How tested: Air and bailer

Length of test 3 hours

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

Gravel packed

(over)

F

L

Form No. 18
8-60

Sec. Top
T. 21 - 33 R. 7E

County Liberty

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUL 27 1961

WATER WELL LOG

STATE ENGINEER

Owner L. H. Amundson Address Joplin, Mont.

Driller Unknown Address _____

Date Started _____ Date Completed 1911

Location: Sec. 21 T. 33 R. 7 $\frac{1}{4}$ sec. _____

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

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

Casing: 6 ft. to _____ ft. Type Galvanized Size 200

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 no screen

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

Shut-in pressure, for flowing well: none lb./sq. in. on: _____
(date)

Pumping water level 150 feet at 3 gal. per min. _____

How tested: _____

Length of test _____

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

(over)

File No. _____

DUPLICATE

T. 33 R. 7 E

County Liberty

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. E. K. Poppler, of Joplin
(Name of Appropriator) (Address) (Town)
County of Liberty State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

X							

NW 1/4 NW Sec. 26 T. 33 R. 7 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 live stock

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been 1915
continuous

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 5 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
some for lawn + yard

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater estimate 1915

8. The depth of water table 200 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
200 ft of steel pipe Wind mill with 2 in cyphers and

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
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

Date 12-20-63

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.

84181

STATE OF MONTANA
County of Liberty,

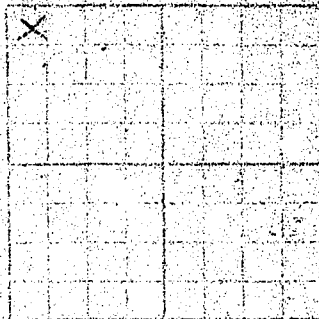
Filed Dec 20 1943

at 1:30 o'clock P.M.

By Allen D. Hunter
County Clerk

By Allen D. Hunter
Deputy

Fee \$ 2.00



NOTARIAL PUBLIC
ALLEN D. HUNTER
COUNTY CLERK
LIBERTY COUNTY, MONTANA

I, the undersigned, do hereby certify that the within and foregoing is a true and correct copy of the original as the same appears in the records of the County of Liberty, Montana.

Witness my hand and the seal of said County at the City of Helena, Montana, this 20th day of December, 1943.

ALLEN D. HUNTER
County Clerk

GROUNDWATER INDEX

Page 4 of 4

County Liberty

Twp. 32 N

Rge. 5E

[illegible]

Form No.

T 32 R 4 East

DUPLICATE

County Liberty

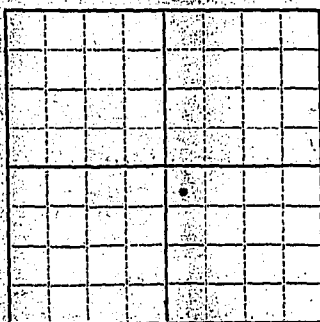
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 9 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Marvin L. Haag, of Galata
(Name of Appropriator) (Address) (Town)
County of Liberty State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 5 32 R 4 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;
irrigation; livestock

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been 1926; daily use
since date hereinbefore mentioned

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 2 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 within 200 feet of the well
is devoted to small garden; the owner
is appropriator, Marvin Haag

6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal
see map as to location of well
water is withdrawn by means of jet pump

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater Commencement and completion of this well took
place in 1926; exact months are unknown to appropriator

8. The depth of water table 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 dug wells; 4 feet in diameter;
withdrawal is by jet pump

10. The estimated amount of groundwater withdrawn each year 168,000 gallons

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

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

5328

STATE OF MONTANA, } ss
County of Liberty,

STATE OF MONTANA,
County of Liberty, } ss

Page 6, 196-

at 10:15 o'clock A. M.

Allen *Dressed*
County Clerk

By _____ Deputy

Fee \$ 2.00

File No.

T. 32 R. 4 East

DUPLICATE

County Liberty

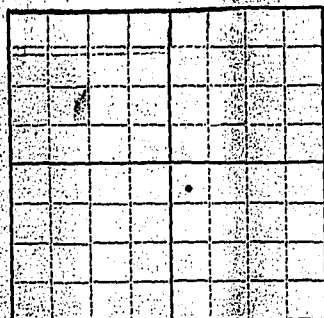
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
AUG 9 1963
STATE ENGINEER

1. Marvin L. Haag, of Galata,
(Name of Appropriator) (Address) (Town)
County of Liberty State of Montana
have appropriated groundwater according to the Montana law in effect prior to January 1, 1963, as follows:



NW 1/4 Sec. 5 T. 32 R. 4E

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;
irrigation; livestock
3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1926; daily use since
date hereinbefore mentioned
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2 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: 1/2 acre within 200 feet of the well
is devoted to small garden; the owner
is appropriator, Marvin Haag
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: see map as to location of well
water is withdrawn by means of jet pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commencement and completion of this well took
place in 1926; exact months are unknown to appropriator
8. The depth of water table: 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: dug wells; 4 feet in diameter;
withdrawal if by jet pump
10. The estimated amount of groundwater withdrawn each year: 168,000 gallons
11. The log of formations encountered in the drilling of each well if available: None made
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: August 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

5326

STATE OF MONTANA,
County of Liberty,

Filed Aug 6 1963

at 10:15 o'clock 2. M.

Aileen Greiner
County Clerk

By A. S.
Deputy

Fee \$ 2.00

GW

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

File No.

T. 32 R. 4 East

DUPLICATE

County Liberty

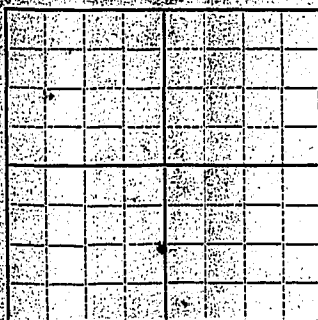
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
AUG 9 1963
STATE ENGINEER

I, Marvin L. Haag, of Galata,
(Name of Appropriator) (Address) (Town)
County of Liberty 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. 7, T. 32, R. 4E

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 livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940; daily use
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 2 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
Not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
see map as to location;
water is withdrawn by windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Commencement and completion of this well was in 1940
8. The depth of water table. Unknown
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. drilled well; 6 inch pipe; water is withdrawn by windmill
10. The estimated amount of groundwater withdrawn each year. 168,000 gallons
11. The log of formations encountered in the drilling of each well if available.
None made
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 Marvin L. Haag

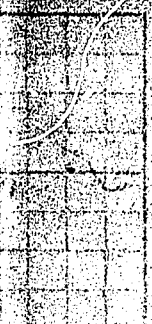
Date August 5, 1963

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

5327



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31.25

15.625

7.8125

3.90625

1.953125

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0.244140625

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0.06103515625

0.030517578125

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0.000059604644775390625

0.0000298023223876953125

0.00001490116119384765625

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31.25

15.625

7.8125

3.90625

1.953125

STATE OF MONTANA,
County of Liberty,

} ss.

Filed Aug 6 19 63
at 12:15 o'clock a. M.

By Arthur J. Green
County Clerk

By As
Deputy

Fee \$ 2.00

83572

GV

Approved Stock Form—State Publishing Co., Helena, Montana—3868

File No. _____

T 32 R 4

DUPLICATE

County Liberty

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

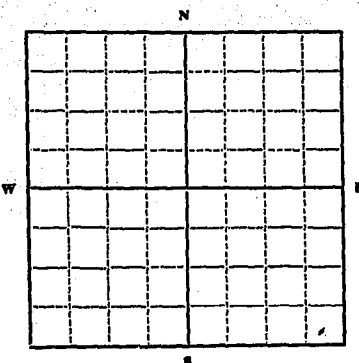
RECEIVED
DEC 18 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Raymond Fritz, of Charter
(Name of Appropriator) (Address) (Town)
County of Liberty State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE $\frac{1}{4}$ SE Sec. 10 T33 R4

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. 6 years ago

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 7 gal per min

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. no

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

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

8. The depth of water table. 100 to 200 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 22.5 ft deep

10. The estimated amount of groundwater withdrawn each year. 365000

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 Raymond Fritz

Date Dec 16 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.

10098



1. The undersigned, Clerk of the County of Liberty, State of Montana, do hereby certify that the within and foregoing is a true and correct copy of the original as the same appears of record in the office of the Clerk of the County of Liberty, State of Montana.

2. The date of execution of the within and foregoing is the 16th day of December, 1913.

3. The date of recording of the within and foregoing is the 16th day of December, 1913.

4. The date of recording of the within and foregoing is the 16th day of December, 1913.

5. The date of recording of the within and foregoing is the 16th day of December, 1913.

6. The date of recording of the within and foregoing is the 16th day of December, 1913.

7. The date of recording of the within and foregoing is the 16th day of December, 1913.

STATE OF MONTANA,
County of Liberty.

Filed Dec. 16 1913
at 2:50 o'clock P. M.
Richard Greener
County Clerk

By _____ Deputy
Fee \$ 2.00

84121

GW 2

MONTANA WATER RESOURCES BOARD Approved Stock Form—State Publishing Co., Helena, Montana—485

RECEIVED

File No.

T. 32N R. 4E

DUPLICATE

DEC 11 1970

County LIBERTY

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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, as amended)

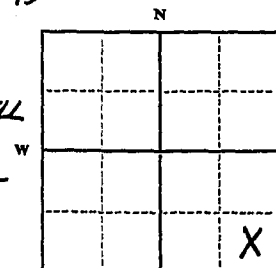
Owner RAY FRITZ Address CHESTER, MONTANADriller AL-LINE DRILLING SERVICE Address HAURE, MONTANA

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

Date well started SEPT. 1, 1970 Date completed SEPT. 15, 1970Type of well DRILLED Equipment used CABLE TOOL RIG
(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)
9	6 5/8" O.D.	1 1/2 FEET ABOVE GROUND LEVEL	117	NO PERFORATIONS WATER COMING IN THRU BOTTOM OF CASING AT 117 FT LEVEL. NO CASING BELOW 117 FT LEVEL.		
	13 1/2" PER FT.			SANDSTONE LEFT OPEN		

Static Water Level for non-flowing well 105 feet.Shut-in Pressure for Flowing Well Not Appl.Pumping Water Level 112 feet
at 11 gal. per minute.Discharge in gal. per min. of flowing well
NOT APPLICABLEHow Tested SUBMERSIBLE PUMPLength of Test 4 HOURSRemarks: (Gravel packing, cementing, packers, type of shutoff) HOLE REAMED TO9" DIAMETER TO 130 FOOT LEVEL
CASING SET ON HARD SHELL AT
117 FT LEVEL & CEMENTED INNO CASING INSTALLED BELOW 117 FT. LEVEL.SANDSTONE FORMATION LEFT OPEN (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).

Doc. No. 90886

Filed for record

this

A. D. 19

o'clock

M.

A. D. 19

o'clock

M.

A. D. 19

o'clock

M.

A. D. 19

o'clock

M.

A. D. 19

o'clock

M.

A. D. 19

o'clock

M.

A. D. 19

o'clock

M.

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

47883

GW3

File No.

DUPLICATE

RECEIVED
MAY 12 1962

T. 32 N. R. 4 E

County Liberty

STATE ENGINEER
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, 1961)

Owner Raymond Frite Address Chester, MontanaDriller Orville Jacobson Address Chester, Montana

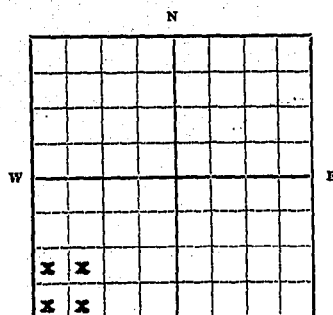
Date of Notice of Appropriation of Groundwater

Date well started 5/2/62 Date Completed 5/7/62Type of well Drilled Equipment Used Cable tools
(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.

	Top of Ground (Elev. above sea level.....)
0	1 Surface soil
4	10 Yellow Sandy clay
10	20 Yellow clay
20	22 Yellow clay & boulders
22	30 Yellow clay
30	40 Sandy yellow clay
40	45 Clay & more sand Dry
45	60 Brown sandy clay
65	70 Yellow sandy clay
70	75 Hard sandstone & yellow clay
75	95 Gray sandy shale
95	105 Gray shale
105	125 Gray sandy shale
125	130 Gray shale
130	135 Sand and some water
135	150 Gray sandy shale
150	155 Sand & water
155	164 Gray shale
	Bottom

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8 in.	4 1/2" 11 lbs. per ft. Galvan.	18" above ground	164	Slot	84	164
		Gravel Packed Surface to be cemented				



SW?
SE 1/4 Sec. 12 T. 32 R. 4
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 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 155 feet at 6 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer Length of Test 2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of

acres irrigated, if used for irrigation)

Gravel PackedSurface to be cemented

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 School of Mines and Quadruplicate for the Appropriator.

706

Form No. 18
8-60

T. 32 R. 4

County Liberty

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

RECEIVED
AUG 10 1961

STATE ENGINEER

	X	

Owner Raymond Fritz Address Chester, Mont.

Driller H. S. Hill Address _____

Date Started _____ Date Completed 1916

Location: Sec. 12 T. 32 N.R. 4 E. $\frac{1}{4}$ sec. NW 1/4

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

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

Casing: 166 ft. to _____ ft. Type Galvanized Size 6"

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: 80 feet.

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

Pumping water level 80 feet at 6 gal. per min. 6

How tested: _____

Length of test _____

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

(over)

RECEIVED 327 215

MAY 23 1972

County Liberty

DRILLER'S LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Leonard Fritz

Address

Chester, Montana

Date well started May 6 1972

completed May 16 1972

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Churn

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (1/8, 1/4, 1/2, 3/4, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 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, 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, 201, 202, 203, 204, 205, 206, 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1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 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, 201

92415

STATE OF MONTANA, } ss.
County of Liberty.

Filed May 22 18 72
at 1:35 o'clock P. M.
David Thompson
County Clerk

By _____ Deputy
Fee \$ 2.00

File No. _____

DUPLICATE

T. 32 N. R. 4 E.

County. Liberty

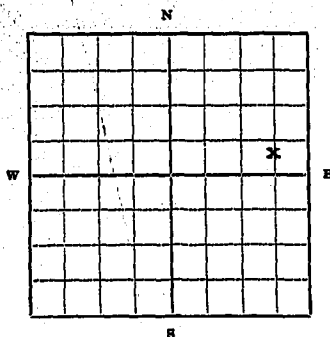
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAY 23 1962

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

STATE ENGINEER

1. Leonard Fritz of Chester
(Name of Appropriator) (Address) (Town)
County of Liberty State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE 1/4 Sec. 13, T. 32 N. R. 4 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 stock only
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1912 and used continuously since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gals. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
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 unknown approximated 1912
8. The depth of water table 198 feet goes up to 100
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch-212 feet
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available none
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Leonard Fritz

Date May 23 1962

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

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

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

82298

STATE OF MONTANA,
County of Liberty,

Filed May 18 1962

at 4:10 o'clock P. M.

By Gilbert Thorne
County Clerk

By Don L. Lutz
Deputy

Fee \$ 2.00

File No. _____

DUPLICATE

T. 32 N R. 4 E

County Liberty

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

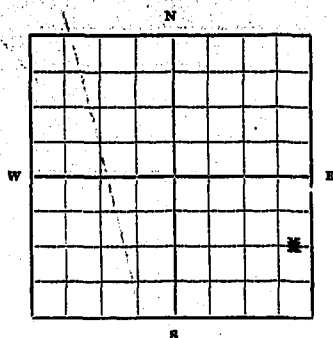
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
MAY 23 1962

STATE ENGINEER

1. Leonard Frits of Chester
(Name of Appropriator) (Address) (Town)
County of Liberty State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 13 T32 R. 4

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 and household
3. Date or approximate date of earliest beneficial use; and how continuous the use has been about 1909 and used continuously since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 gals. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump that replaced windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater unknown approximately 1909
8. The depth of water table 70 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch hole-198 feet
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available no
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 Leonard Frits

Date May 15 1962

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

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

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

82297

STATE OF MONTANA,
County of Liberty,

Filed May 18 1962
at 4:10 o'clock P.M.
By Gilbert Greener County Clerk
By James H. Thompson Deputy
Fee \$ 2.00

Witness my hand and seal of office this 18th day of May 1962.

Notary Public for the State of Montana

My commission expires on the 1st day of May 1963.

Subscribed and sworn to before me this 18th day of May 1962.

Notary Public for the State of Montana

Witness my hand and seal of office this 18th day of May 1962.

Notary Public for the State of Montana

Subscribed and sworn to before me this 18th day of May 1962.

Notary Public for the State of Montana

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Notary Public for the State of Montana

My commission expires on the 1st day of May 1963.

File No.

JAN 4 1967

T 32N R 4 E M.M.

DUPLICATE

Billie _____ McDermott _____
 Butzorn _____ McNally _____
 Coyne _____ Meritt _____
 Darlington _____ Sullivan _____
 Pickert _____

County Liberty

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)

0 - 3 Surface Soil

3 - 12 Sandy Clay

12 - 20 Yellow Clay

Owner Leonard Fritz Address Chester, Montana

20 - 65 Light Brown Clay

Driller Orville Jacobson Address Kremlin, Montana

65 - 70 Sand & Gravel & Clay

Date of Notice of Appropriation of Groundwater Oct. 4, 196670 - 75 ~~Light Brown~~ ClayDate well started Sept. 26, 1966 Date Completed Oct. 4, 1966

75 - 80 Light Brown Clay

Type of well Hand Driven Equipment Used Cable Tools

80 - 85 Yellow Sandy Clay

(dug, driven, bored or drilled) (Churn, drill, rotary or other)

85 - 90 Yellow Sand Stone and Clay

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

90 - 105 Bray Sandy Clay

105 - 120 Light Gray Silt & Sandy Clay

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

120 - 125 Gray Clay

125 - 130 Gravel & Clay. Small Gravel & Sand

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8 in.	7 in. O.D.	2 ft. above Ground	202	Slot	137	202
Surface to be Cemented						

130 - 140 Gray Clay & Gravel

140 - 157 Bray Clay

157 - 160 Gray Clay, Gravel Sand - Some Water

160 - 170 Gray Clay

170 - 195 Light Gray Sand & Clay

195 - 200 Gray Clay

200 - 202 Hard Line Shell

202 - 215 Gray Clay

W

E

Static Water Level for non-flowing Well 143 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 200 feet at 1000 gal per day

Discharge in gal. per min. of flowing well _____

How Tested Bailer Length of Test 3 Hrs.
 Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) _____

NE 1/4 Sec. 13 T32N R4E.

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

Show exact depth of bottom.

Driller's License Number 42
 Driller's Signature Orville Jacobson

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.

41592

87553

STATE OF MONTANA,
County of Liberty,

Filed 12-30 19. 66

at 11:00 o'clock A. M.

by Arthur Green
County Clerk

by John H. Hines
Deputy

No. 220

OF

IN

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FOR

THE

REASON

OF

THE

REASON

OF

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REASON

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REASON

File No.

DUPLICATE

RECEIVED
NOV 30 1962

T. 32N R. 4 E.

County Liberty

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground (Elev. above sea level)
 0 - Surface Soil
 3 - Gray Clay
 10 - Yellow Sandy Clay
 70 - Gray Sandy Clay
 80 - Yellow Sandy Clay & Gravel
 90 - Gray Sandy Clay
 95 - Gray Lime Stone & Gray Shale
 100 - Gray Clay and Sandy Silt
 115 - Gray Shale
 160 - Gray Sandy Shale & Little Water
 165 - Gray Shale
 175 - Gray Shale & Gravel & little Water
 185 - Gray Shale

Owner: Leonard Frits Address: Chester, Montana

Driller: Orville Jacobson Address: Chester, Montana

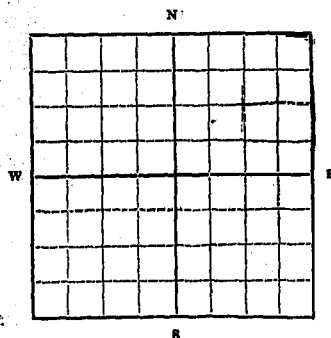
Date of Notice of Appropriation of Groundwater

Date well started: 10/62 Date Completed: 10/62

Type of well: Drilled Equipment Used: Cable Tools
(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)
4"	11 lb. Gal.	15	255	Slot	170	255
3"	7 Lb. Gal.	2	15			
Gravel Packed - Surface to be Cemented						



T. 32N R. 4 E. Sec. 13

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

Show exact depth of bottom.
260 ft.

Static Water Level for non-flowing Well feet.

Shut-in Pressure for Flowing Well

Pumping Water Level: 180 feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Bailer 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)

No. 2586
Driller's License Number

Orville Jacobson
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 School of Mines and Quadruplicate for the Appropriator.

2586

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

File No.

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED

LOS

AUG 27 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDCounty LIBERTYTop of Surface

(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 LEONARD FAITZ Address PIESTER, MONTANADrilled HI-LINE DRILLING SERVICE Address HANDE, MONTANA

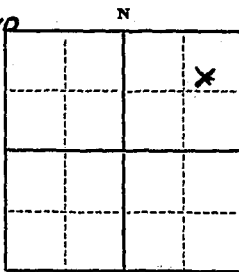
Date of Notice of appropriation of groundwater

Date well started 7/21/69 Date completed 8/4/69Type of well DRILLED Equipment used CABLE TOOL RIG
(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.

- 0-2 SOIL
- 14 SANDY BROWN CLAY
- 28 YELLOWISH-BROWN CLAY
- 57 GRAVELLY BROWN CLAY
- 68 GREY CLAY
- 85 GRAVELLY GREY CLAY
- 88 LT. BROWN SHALE (SANDY)
- 90 1/2 HARD SANDSTONE SHELL
- 98 FIRM LT. BROWN SHALE
- 104 SANDY LT. BROWN SHALE
- 115 LT. GREY SHALE
- 128 GREY SHALE - STREAKS OF SAND
- 134 SANDY GREY SHALE -
WATER - APPROX 1 1/2 GPM
- 140 DARK GREY SHALE
- 148 FIRM SANDY GREY SHALE -
WATER - APPROX 1 1/2 GPM
- 157 GREY SHALE
- 168 GREY SHALE - SAND SEAMS
- 174 SANDY GREY SHALE -
WATER - APPROX 1 1/2 GPM
- 180 DARK GREY SHALE

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
10"	6 5/8" 20 13# PER FOOT	1 FOOT ABOVE GROUND LEVEL	180	1 1/2" x 3" SLOTTED	120	175

Static Water Level for non-flowing well 123 feet.Shut-in Pressure for Flowing Well NOT APPL.Pumping Water Level 176 feetat 2 1/2 gal. per minute.

Discharge in gal. per min. of flowing well

NOT APPLICABLEHow Tested BAKER + PUMPLength of Test 4 HOURS

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) WELL PAKED TO12" DIAMETER TO 180 FT. LEVEL.GRAVEL PACKED FROM BOTTOMBACK TO APPROX 80 FT. CEMENT

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

BENT PAVED DIRECTLY ABOVE GRAVEL PACKTO PREVENT SURFACE CONTAMINATION

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

45563

File No.

OCT 25 1966

T 32N

R

4 E.M.M.

DUPLICATE

Billie _____ McDermott _____

Butzerin _____ McNulty _____

Soyis _____ Morton _____

Berlition _____ Sullivan _____

Bieker _____

County Liberty

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

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

0 - 3 Surface Soil

Sandy

3 - 10 Yellow/Clay

10 - 30 Gray Clay

30 - 45 Gray Sandy Clay

45 - 55 Quick Sand

55 - 100 Gray Sandy Clay

100 - 110 Yellow Sandy

Clay

110 - 135 Gray Sandy Clay

135 - 140 Gray Clay &

Gravel

140 - 175 Gray Clay

175 - 180 Gray Sand, Silt

& Clay & Water

180 - 198 Gray Clay

Notice of Completion of Groundwater

Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner W. A. Smith

Address Chester, Montana

Driller Orville Jacobson

Address Kremlin, Montana

Date of Notice of Appropriation of Groundwater 10/20/66

Date well started 10/7/66 Date Completed 10/20/66

Type of well ~~XXX~~ Drilled Equipment Used Cable Tools

(dug, driven, bored or drilled)

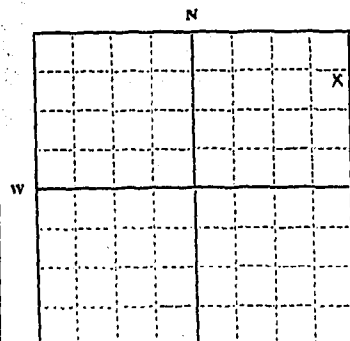
(Churn, drill, rotary or other)

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)
5-9/16 in.	Black Steel 11 lbs. per ft.	2 ft. above ground	198	Slot	138	198

(Shut off Quick Sand with 8-in. Pipe welded joints from surface to 62 ft.)



NE 1/4 Sec. 24 T32N R4E.

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 138 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 193 ft. feet at 1200 gal. per Day

Discharge in gal. per min. of flowing well

How Tested Bailer Length of Test 2 Hours

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

Pipe Gravel Packed - Surface to be cemented.

42

Driller's License Number

Orville Jacobson
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.

41,552

GW

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

File No.

DUPLICATE

RECEIVED
MAY 28 1963STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE ENGINEER
OFFICE OF STATE ENGINEER

T. 32 N. 4 E.

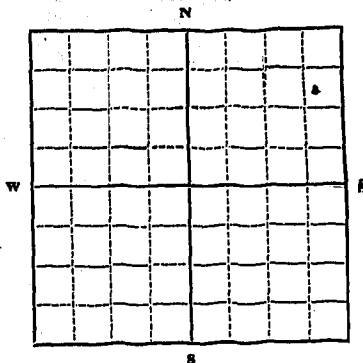
County

RECEIVED
MAY 23 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Smith W A & MarriGene of Charter
 (Name of Appropriator) (Address) (Town)
 County of Liberty State of Montana
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 24 T. 32 R. 4 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 stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been approximate 1910
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 gal or all
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 wind mill and electric pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1910
8. The depth of water table 165'
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 5 in 165 feet
10. The estimated amount of groundwater withdrawn each year 529,632
11. The log of formations encountered in the drilling of each well if available don't know
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 don't know

W A Smith
Smith W A & MarriGene
 Signature of Owner

Date May 22 - 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.

4428

File No.

DUPLICATE

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

T

County

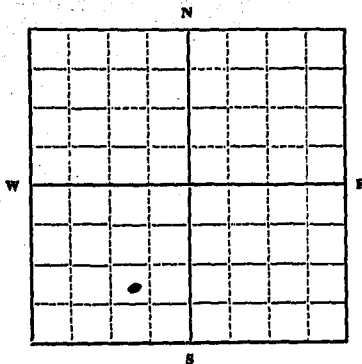
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAY 23 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Smith W.A. & marriage (Name of Appropriator) Charter (Address) Liberty (Town)
County of Liberty State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW 25 T 32 R 4

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 stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 every year

4. The amount of groundwater claimed (in miner's inches or gallons per minute) all 15 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 none

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

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

8. The depth of water table. 190 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. size 5 in depth 190

10. The estimated amount of groundwater withdrawn each year. 900,400

11. The log of formations encountered in the drilling of each well if available. I don't know

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. I don't know

Signature of Owner

Date May 22 - 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.

4426

83405

STATE OF MONTANA }
County of Liberty. } ss.
Filed May 22 1963
at 10:10 o'clock A. M.
Richard Lee County Clerk
By _____ Deputy
Fee \$ 2.00

File No.

NOV 18 1966

T. 32 N. R. 4 E. M. 4

DUPLICATE

Billie _____ McDermott _____
 Butler _____ McNulty _____
 Coyle _____ Morton _____
 Darlington _____ Sullivan _____
 Dickert _____

County Liberty

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)

0 - 3 Surface Soil

3 - 7 ~~Yellow~~ Clay & Gravel

7 - 15 Yellow Clay

15 - 50 Yellow, Sandy Clay

50 - 60 Yellow Clay & Gravel

60 - 65 Gravel, Sand & Quick Sand - Small Water

65-80 Quick Sand

80-105 Gray Clay - Sandy

105-125 Light Gray Sandy Clay

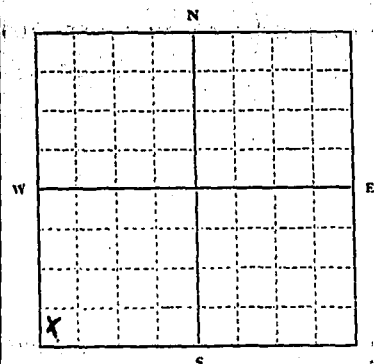
125-130 Gravel Clay & Sand - Water

130-139 Gray Clay

Owner Standiford Farms Address Lothair, MontanaDriller Orville Jacobson Address Kremlin, MontanaDate of Notice of Appropriation of Groundwater 11/15/66Date well started 11/24/66 Date Completed 11/17/66Type of well XXXXX Driven Equipment Used Cable Tools
(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)
9 in.	5-9/16th	1 ft Above Ground	140	Slot	50 ft.	139 ft.
XXXXX 85 ft. of 8 in. Steel Pipe to Shut off Quick Sand						



SW 1/4 Sec 26 T. 32 R. 4E

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 90 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 137 feet at 3 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer Length of Test 2 Hours.

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

Gravel Packed 8 in. pipe and 5-9/16th in. from top to bottom. Surface to be cemented.

Driller's License Number 42Driller's Signature Orville Jacobson

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.

RECEIVED

NOV 14 1966

NOV 14 1966

STATE OF MONTANA,
County of Liberty,

Filed November 17, 1966
at 3:29 o'clock P.M.

By Adrian J. [Signature]
County Clerk

By [Signature]
Deputy

Fee \$ 22.00

87480

Case No.	Party	Amount	Filed	By	Deputy	Fee
87-123	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-124	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-125	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-126	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-127	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-128	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-129	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-130	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-131	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-132	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-133	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-134	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-135	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-136	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-137	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-138	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-139	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00
87-140	State of Montana	100.00	11/14/66	Adrian J. [Signature]	[Signature]	22.00

File No. _____

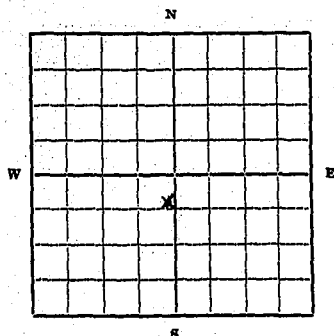
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 32 N. R. 4 E. S. 30
County Liberty
RECEIVED
NOV 19 1963

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

Lawrence Hemmer of Salata
(Name of Appropriator) (Address)
County of Liberty State of Montana (Town)
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW $\frac{1}{4}$ Sec 30 T32 R4E

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 and stock water for community
3. Date or approximate date of earliest beneficial use; and how continuous the use has been November 1958
constant use since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 gal. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater this well was started and completed in November of 1958
8. The depth of water table 14 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater The well is 14 ft deep and 13 ft in circumference
10. The estimated amount of groundwater withdrawn each year 1,500,000 gallons
11. The log of formations encountered in the drilling of each well if available 4' sand on top and 10 ft of sand and gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Lawrence Hemmer

Date Nov 18, 1963

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

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

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

7-11-68

100

58

in 63

Fee \$ 2.00

[illegible]

THE FIRM OF CONSTRUCTION SHIP CO., LTD.

1. The purpose of this report is to provide information on the progress of the work done during the past year.

2. The work has been done in accordance with the plan of work approved by the Board of Directors at its meeting on January 1, 1934.

3. The work has been done in accordance with the plan of work approved by the Board of Directors at its meeting on January 1, 1934.

4. The work has been done in accordance with the plan of work approved by the Board of Directors at its meeting on January 1, 1934.

5. The work has been done in accordance with the plan of work approved by the Board of Directors at its meeting on January 1, 1934.

6. The work has been done in accordance with the plan of work approved by the Board of Directors at its meeting on January 1, 1934.

7. The work has been done in accordance with the plan of work approved by the Board of Directors at its meeting on January 1, 1934.

8. The work has been done in accordance with the plan of work approved by the Board of Directors at its meeting on January 1, 1934.

9. The work has been done in accordance with the plan of work approved by the Board of Directors at its meeting on January 1, 1934.

10. The work has been done in accordance with the plan of work approved by the Board of Directors at its meeting on January 1, 1934.

GROUNDWATER INDEX

Page 1 of 1

County Liberty

Twp. 32 N

Rge. 5E

[illegible]

County Liberty

RECEIVED
DEC 21 1961

WATER WELL LOG

STATE ENGINEER
Address: Chester.

Owner Vernon Cramer

STATE ENGINEER
Address Chester, Montana

Driller Ernie Petersen

Address Cut Bank, Montana

Date Started Dec. 1958

Date Completed Jan. 1959

Location: Sec. 4 T. 32 N R. 5 E. $\frac{1}{4}$ sec. SE

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

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

Industrial ☐

Casing: 0 ft. to 285 ft. Type Galv. steel Size 4"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 285 to ft. 305. Ft. _____ to ft. _____

Type of screen or perforations Slits cut with torch in casing 250 feet.

Type of screen or perforations 5/16" x 1/8"
Static Water level, for non-flowing well: 250 feet.

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

Pumping water level 300 feet at 3 gal. per min.

How tested:

Length of test

Length of test _____

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

(over)

File No.

T. 32N R. 5E

DUPLICATE

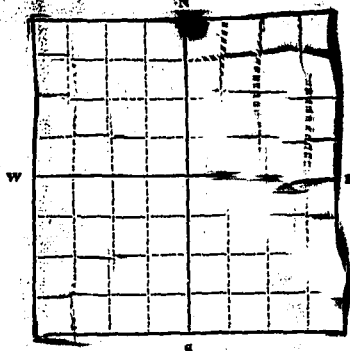
County Liberty

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
DEC 20 1963
STATE ENGINEER

1. McNutt Brothers of Chester
(Name of Appropriator) (Address) (Town)
County of Liberty 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.

Stock water

For domestic use of earliest beneficial use and how con-
ditions have been drilled sometime in 1920's
at present time

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Presently
Has Pump head but not used

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sometime during 1920's

8. The depth of water table 200 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 Depth is approximately 300 feet and about
100 feet of water in well. Cased with 6 in. Steel Casing

10. The estimated amount of groundwater withdrawn each year Unknown

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

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

McNutt Brothers

Signature of Owner by Lavern Neely

Date Dec. 18, 1963

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

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

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

10876

84159

STATE OF MONTANA,
County of Liberty,
Filed Dec. 18 1923
at 3:10 o'clock P. M.
By Ashland Greiner
County Clerk
Fee \$2.00 Deputy

After the County and Comptroller in the distribution
of the State of Montana and the County of Liberty
in the State of Montana and the County of Liberty
in the State of Montana and the County of Liberty

The State of Montana and the County of Liberty
in the State of Montana and the County of Liberty
in the State of Montana and the County of Liberty

The State of Montana and the County of Liberty
in the State of Montana and the County of Liberty
in the State of Montana and the County of Liberty

The State of Montana and the County of Liberty
in the State of Montana and the County of Liberty
in the State of Montana and the County of Liberty

NOTICE
The State of Montana and the County of Liberty
in the State of Montana and the County of Liberty
in the State of Montana and the County of Liberty



The State of Montana and the County of Liberty
in the State of Montana and the County of Liberty
in the State of Montana and the County of Liberty

GW

APPROVED STOCK FORM—State Publishing Co., Helena, Montana—19687

File No. _____

T. 32 R. 5

DUPLICATE

County Liberty

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

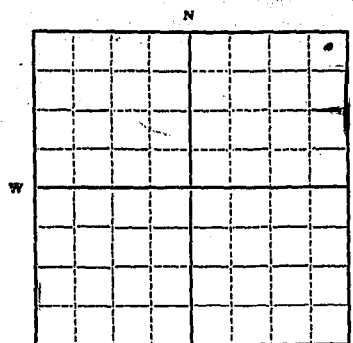
RECEIVED
DEC 26 1969

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Harold Thielman, of Chetopa
(Name of Appropriator) (Address) (Town)
County of Liberty State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 15 T. 32 R. 5

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 stockwatered some green watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 15, 1959
has been used ever since

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
4 to 5 acres, NE 1/4 Sec. 15, T. 32 R. 5, Harold Thielman

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater about June 15, 1959

8. The depth of water table 314 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" casing 314 ft Deep

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

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 Harold Thielman

Date 12-23-63

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.

12287

DEEDS

84207

STATE OF MONTANA,
County of Liberty,

Filed Dec 23 1963

at 2:10 o'clock P. M.

By Gilbert A. [Signature]

County Clerk

For 2-15

Fee

Witness

Notary Public

My Comm. Expires

Notary Public

Notary Public

Notary Public

Notary Public

Notary Public

Notary Public

Notary Public

Notary Public

Notary Public

Notary Public

Notary Public

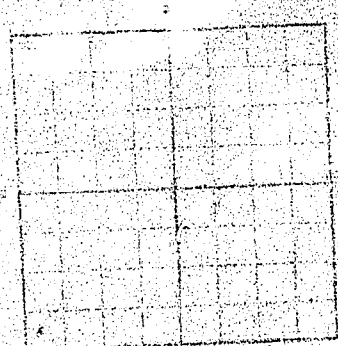
Notary Public

Notary Public

Notary Public

Notary Public

Notary Public



STAFF ENGINEER

10-6-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100

County

MONTANA BUREAU OF MINES AND GEOLOGY JUL 12 1957
Butte, Montana

STATE ENGINEER

WATER WELL LOG

			X

Owner **Harold Thielman** Address **Chester, Montana**

Driller C. Earl Heaviland Address Chester, Montana

Date Started May 18, 1957 Date Completed June 10, 1957

Location: Sec. 15 T. 32 N. R. 5 E. ¼ sec. NE¼NE¼

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

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing:.....0.....ft. to.....314.....ft. Type 20 ga..... Size.....6"

Casing:.....ft. to.....ft. Type..... Size.....

Casing:.....ft. to.....ft. Type..... Size.....

Perforated or Screened: Ft. 300 to ft. 311 Ft. to ft.Type of screen or perforations.....Drilled holes......

Static Water level, for non-flowing well:.....60.....feet

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

Pumping water level.....feet atgal. per min.....

How tested: Bailed water for about 1 1/2 hrs. Couldn't lower water line.

Length of test.....1 1/2 hrs.....

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

(over)

Log of Well

[illegible]

GW 3

File No. _____

T 32N R 5ECounty Liberty

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION
WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

N

Date of Appropriation of Groundwater 1916 & 1959Owner Raymond Fritz Address Chester, MontanaContractor (if any) Unknown & Fenton BurgessAddress of Contractor Chester, MontanaDate Started 1916 & 1959 Date Completed 1916 & 1959

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

Earth Fill Dam Creating Reservoir -- fills from
runoff from higher ground

NE 1/4

Sec 16 T 32N R 5E

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 _____

Covers Approximately 5 Acres and is approximately
15 feet Deep when full.

Signature of Owner Raymond FritzDate Dec. 31, 1963

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

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

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

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

24633

84361

STATE OF MONTANA, ss.
County of Liberty,

Filed Dec. 31 1963

at 4:20 o'clock P. M.

Allen Bremer
County Clerk

By Dora Hernandez
Deputy

Fee \$ 2.00

File No. _____

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 32N R. 5E
County Liberty
RECEIVED
MAY 23 1962

Declaration of Vested Groundwater Rights STATE ENGINEER

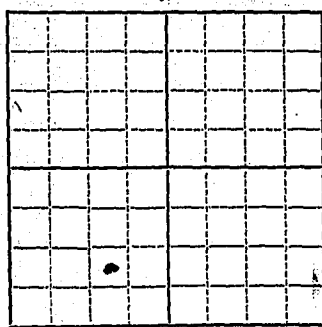
(Under Chapter 237, Montana Session Laws, 1961)

1. Smith WA & Mariegene,
(Name of Appropriator)

(Address)

(Town)

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



SE 1/4 Sec. 29 T. 32 R. 5

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
hold and stock

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 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
none

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1910

8. The depth of water table 165 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
5 in 165 feet

10. The estimated amount of groundwater withdrawn each year 529,632

11. The log of formations encountered in the drilling of each well if available
don't know

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
don't know

WA Smith
Mariegene
Signature of Owner

Date May 22 - 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.

STATE OF MONTANA } ss.
County of Liberty.

Filed May 22 1963

at 10:10 o'clock A.M.

Richard H. [Signature]
County Clerk

By _____ Deputy

Fee \$ 2.00

83406

File No.

DUPLICATE

very description?

T. 32 N. R. 5 E.

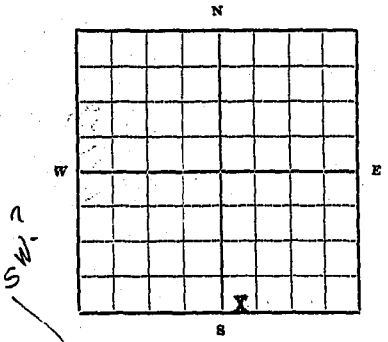
County Liberty

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 19 1962

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

1. Robert Wigen, of Chaparral,
(Name of Appropriator) (Address) (Town)
County of Liberty State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 27 T. 32 R. 5

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 livestock water, household use, irrigation, supply for spraying crops
3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 1912--used continuously
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 gals. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre, lawn, garden and shelterbelt Robert Wigen, owner
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal submersible pump at well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1912-1912
8. The depth of water table 140 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 submersible pump-1 inch pipe-180 feet deep.
10. The estimated amount of groundwater withdrawn each year 1,500,000 gals.
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 Robert Wigen
Date March 15, 1962

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

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

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

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

File No. _____

T 32 N. R 5 E.

DUPLICATE

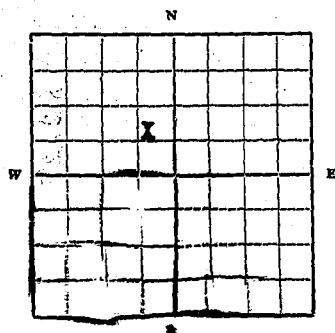
County Liberty

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
MAR 19 1962
STATE ENGINEER

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



NESE 1/4 NW Sec. 28 T. 32 R. 5

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 livestock watering, irrigating trees, lawn & garden, and household use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 1912--used continuously since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gals per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre
O. J. Wigan
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Hand pump at well at present time.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 1912 - May 1912

8. The depth of well 150 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 cylinder pump-2 inch pipe
150 feet deep

10. The estimated amount of groundwater withdrawn each year 150,000 gals

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 Robert Wigan

Date March 15, 1962

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

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

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

82123

STATE OF MONTANA, } ss.
County of Liberty,

Filed March 13, 1962

at 4:55 o'clock P.M.

John J. [Signature]
County Clerk

By _____ Deputy

Fee \$ 2.00

File No.

MONTANA WATER RESOURCES BOARD

DUPLICATE

RECEIVED

T. 32

R. 5E

County Liberty

APR 24 1968

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 April 22, 1968

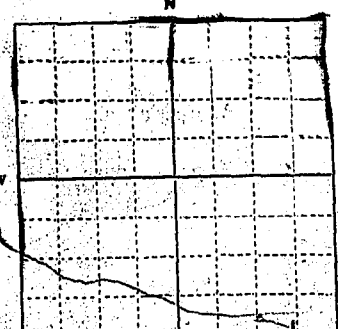
Owner Arthur W. Eversand Address Chester, Montana

Contractor (if any) _____

Address of Contractor _____

Date Started April 1968 Date Completed 1968

Describe means of obtaining groundwater without a well "as by sub-irrigation" and other natural _____ Include depth to water when applicable _____
(in reservoirs) (Eversand's property)



SE 1/4 Sec. 33 T32 R. 5E
Indicate point of appropriation and place of use, if possible.

Quantity of water estimated and used with explanation of method used to measure estimated amount. If use is intermittent estimate approximate periods of use.
watering about 1000 trees for three days at a time during the first year.

Signature of Arthur W. Eversand

Date April 22, 1968

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.

8858

STATE OF MONTANA,
County of Liberty,

Filed: April 23 1968

at 8:30 o'clock A. M.

Wilbert R. R. R.

County Clerk

By: [Signature] Deputy

Fee \$

DEPARTMENT OF REVENUE
STATE OF MONTANA
BY ORDER OF COMMISSIONER

SALE OF LAND
OF THE STATE OF MONTANA

TO HAVE AND TO HOLD unto the said State of Montana, its heirs and assigns forever, all that certain parcel of land, situate, lying and being in the County of Liberty, State of Montana, and being more particularly described as follows, to-wit: [illegible text]