Log of Well

Depth, feet From	To	Description of Material Drilled
0	10	topsoil + subsoil
10	15	sand
15	35	Quicksand
35	45	Clay
45	47	sand
47	48	gravel + sand with water
48-		bottom of well

File No. .....
DUPLICATE

T. 32 ... 20 .....

County ... Blaine .....

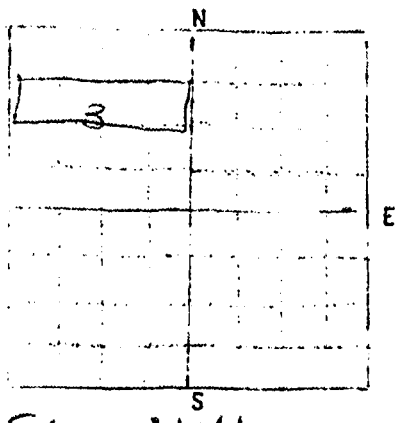
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 6 1964
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

North Fork School Dist. #61, of Chinook
(Name of Appropriator) (Address) (Town)

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



S½ of N½

...¼....Sec. 3 T. 32 R. 20
...icate point of appropriation
... place of use, if possible.
...ch small square represents
... acres.

2. The beneficial use on which the claim is based.....
School house use

3. Date or approximate date of earliest beneficial use, and how continuous the use has been.....
Not available

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

5. If used for irrigation, give the acreage and descripti... 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 an... the location of each well or other means of withdrawal
Pressure pump

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

. The depth of water table.....165 ft.

. 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. steel casing

. The estimated amount of groundwater withdrawn each year.. Continuous use

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

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

Signature of Owner School Dist. 61
by Mrs. Gerald Magda

...ATE OF MONTANA)
...unty of .....) ss.

Date.....

..... having first been duly sworn, depose... and sa... 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.

21944

.....

252105

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 31 DAY
OF December A. D. 1965
AT 4:55 O'CLOCK P. M.

Cora L. Mungano
COUNTY CLERK

Esther Sheets
DEPUTY

FEE 3.00

GW

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

File No.....

T. 32 R. 20

DUPLICATE

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

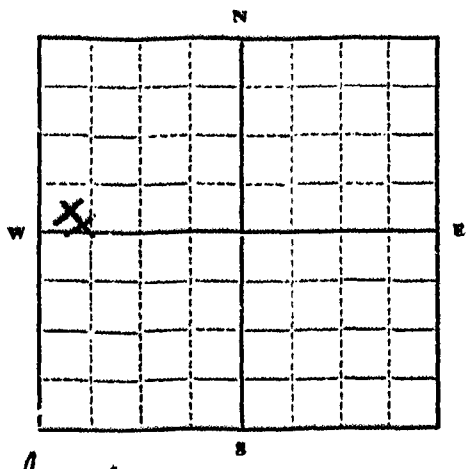
RECEIVED SEP 5 1963 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

E. L. Leon Patchell of Chinook
(Name of Appropriator) (Address) (Town)

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



Sw 1/4 Sw Sec. 4 T. 32 R. 20

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 water only.

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

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

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 shallow well pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1900 and was dug the second one was drilled in July 1949

8. The depth of water table no.1 22 feet no. 2 65 feet drilled

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 none

10. The estimated amount of groundwater withdrawn each year Just as needed

11. The log of formations encountered in the drilling of each well if available
Dirt gravel and clay

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
E. L. Patchell is buying this land on Contract for Deed from Mr. Bosch.

Signature of Owner Fred W Bosch

Date August 4, 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.

5698.

250295

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 4 DAY
OF Sept A. D. 1963
AT 11:00 O'CLOCK A M.

Ezra L. Murpose
COUNTY CLERK

Esther Sheets
DEPUTY

FEE 7.00

GW 2

MONTANA WATER RESOURCES BOARD
RECEIVED
DEC 29 1969

Approved Stock Form—State Publishing Co., Helena, Montana—423.

File No.....

T..... R.....

DUPLICATE

County Blaine

LOG

Top of Ground

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

0
5 Gravel
25 Sand & gravel
49 Gravel & coarse gravel
49 Gravel & water
49 Bottom

Show exact depth of bottom.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner [illegible] Address [illegible]

Driller [illegible] Address [illegible]

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

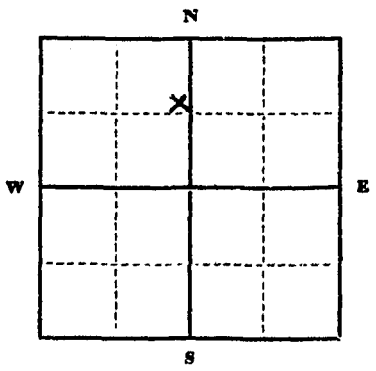
Date well started 11-13-69 Date completed 11-15-69

Type of well Driven (Dug, Driven, bored or drilled) Equipment used [illegible] (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"	7"x21#	0	49			



.....¼..... Sec. 4 T. 32 R. 20

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

Static Water Level for non-flowing well 10 feet.

Shut-in Pressure for Flowing Well —

Pumping Water Level 45 feet at 12 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailer

Length of Test 2 hrs

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

.....(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).

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.

31
Driller's License Number

[illegible]
Driller's Signature

46006

264523

STATE OF MONTANA
County of Blaine

Filed for record this 23 Day
of December 1969
at 8:15 A.M.
Cara B. Musgrave
County Clerk

Deputy

Fee 2.00

GW

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

File No.

T. 32 R. 20

DUPLICATE

County Blaine

RECEIVED JAN 6 1964 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

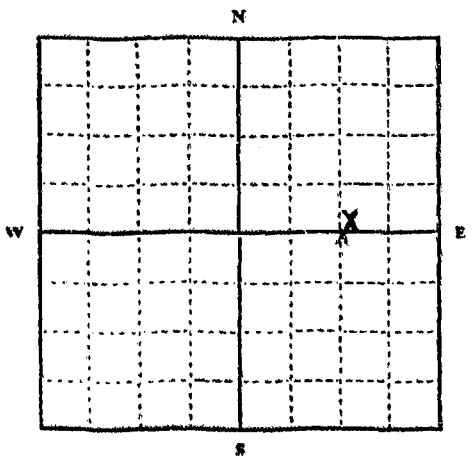
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. William Bilger, Jr. (Name of Appropriator), of Route 1 (Address) Chinook (Town)

County of Blaine State of Montana

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



SE NE¼ ¼ Sec. 4 T. 32 R. 20

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 water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1915 and used continuously since that date.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 centrifugal pump. SE¼ of NE¼

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 8, 1915 and completed on July 25, 1915.

8. The depth of water table 35 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 with 6" casing, 67 feet deep

10. The estimated amount of groundwater withdrawn each year 700,000 gallons

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

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

Signature of Owner Wm H Bilger Jr.

Date December 30, 1963

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

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

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

21867

252024

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 30 DAY
OF December A. D. 1963
AT 2:36 O'CLOCK P M,

Cora L. Musgrave
COUNTY CLERK

DEPUTY

FEE 2.00

3 GW 2 Revised 1969
13—3M—10/69

County 4

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner William Bilgy Jr.

Address Chinook Mont.

Date well started 11/10/70

completed 11/14/70

For Administrator's Use
File 26625 December 11, 1970 11:30 a.m.
GW 1

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

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

Water Use: Domestic ☐ Municipal ☐ Stock ☑ Irrigation ☐

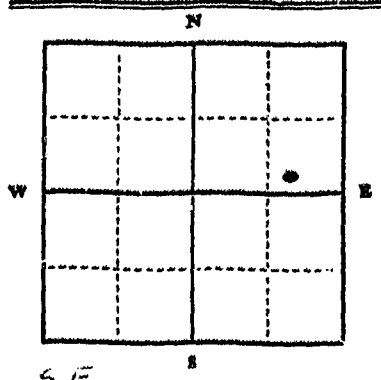
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7"	7x26#	0	77			
6	5 7/8"	0	130			130



SE ¼ NE ¼ Sec. 4

T. 32 N/S R. 30 E/W

Static water level 4 ft.*

Pumping water level 130 ft.*

at 20 gallons per minute,

measured 24 minutes after pumping began.

*Measured from ground level.

Well developed by

for 2 hours.

Power Pump HP

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

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

Driller's Signature

Driller's Address

LICENSE NO. 31

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	10	topsoil
10	71	[illegible]
71	101	[illegible]
101	108	gravel [illegible]
108	111	gravel [illegible]
111	115	gravel [illegible] with (3 gal)
115	120	gravel [illegible]
120	127	gravel [illegible] water
127	130	gravel [illegible]
	130	bottom

Show exact depth of bottom

47887

3 GW 2 Revised 1969
13—3M—10/69

RECEIVED DEC 16 1970

County Blaine 4

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner William Bilyeu Jr.

Address Chinook Mont.

Date well started 11/10/70

completed 11/14/70

For Administrator's Use
File 26625 December 11, 1970 11:30 A.M.
GW 1

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

Equipment used Chinook drill (Chain drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☑ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7"	7x26#	0	77			
6	5 5/8x11	68	130	[illegible]	116	130

N
W E
S

SE ¼ NE ¼ Sec. 4
T. 32 N/S R. 20 E/W

Static water level 4 ft.*
Pumping water level 130 ft.*
at 20 gallons per minute,
measured 24 minutes after pumping began.
*Measured from ground level.
Well developed by [illegible]
for 2 hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature [illegible]

Driller's Address Chinook

LICENSE NO. 31

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	10	topsoil
10	71	attrital [illegible] gravel
71	101	gray shale
101	108	gray sandstone
108	111	gray shale
111	115	gray sandstone water (good)
115	120	gray shale
120	127	gray sandstone + water
127	130	gray shale
	130	bottom

Show exact depth of bottom

47887

266257

STATE OF MONTANA }
County of Blaine }

Filed for record this 11 Day
of Dec A. D. 19 70
at 11:30 o'clock A M.

Cara L. Dougherty
County Clerk

Deputy

Fee 2.00

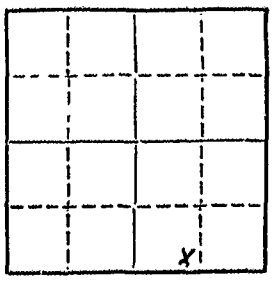
T. 32 R. 20

County Blaine

RECEIVED
AUG 27 1961
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner: John D. Gerecht Address: Chinook

Driller: Simpson Drlg. Co. Address: Malta

Date Started: August 25, 1961 Date Completed: Aug. 28

Location: Sec. 5 T. 32 R. 20 ¼ sec. S.E.

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

Water use: Domestic ☐ Municipal ☐ Stock ☑ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 8 ft. to 115 ft. Type: Steel Size: 6"

Casing: ft. to ft. Type: Size:

Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. 95 to ft. 115 Ft. to ft.

Type of screen or perforations: ¼" holes drilled in casing

Static Water level, for non-flowing well: 57 feet.

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

Pumping water level 73 feet at 16 gal. per min.

How tested: Bailer

Length of test: 1 hour

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

Gravel packed 10 – 115 ft

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	19	Brown sandy clay, rocks, gravel
19	26	Sandy Bentonite
26	35	Dark grey sandy shale
35	47	Grey sandy shale
47	49	Hard shell
49	70	Grey shale
70	95	Grey sandy shale
95	115	Sandstone water

GW 2 Revised 1969
13—3M—10/69

MONTANA WATER RESOURCES BOARD
RECEIVED

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Howard Hermes

Address Chinook Mt.

For Administrator's Use
File 267975
10-29-71
1:12 P.M.
GW 1

Date well started 10/12/71

completed 10/15/71

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

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

Water Use: Domestic ☐ Municipal ☐ Stock ☑ Irrigation ☐

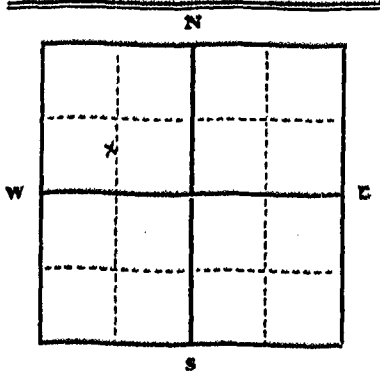
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8 3/4	8 5/8	0	19			
7 3/4	6 5/8	0	122	1/4x2	102	122



SW ¼ NW ¼ Sec. 8
T. 32 N. N/S R. 20 E. E/W

Static water level 30 ft.*
Pumping water level 122 ft.*
at 10 gallons per minute,
measured minutes after pumping began.
*Measured from ground level
Well developed by bailing
for 2 hours.
Power elec. Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Lester Warburton

Driller's Address Chinook, Mt.

LICENSE NO. 31

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	15	sand & shale
15	26	dark gray shale
26	46	gray shale
46	65	dark gray shale
65	80	gray shale
80	95	gray sandstone
95	100	gray shale
100	105	brown shale
105	122	gray sandstone & water
	122	bottom

122 Show exact depth of bottom

49285

#267975

STATE OF MONTANA }
County of Blaine }

Filed for Record the 29 Day
of October, 19 71
At 1:12 o'clock P M.

Lucille L Odmark
Clerk and Recorder
By Deputy

Fee

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.

T. 32 R. 20

DUPLICATE

County

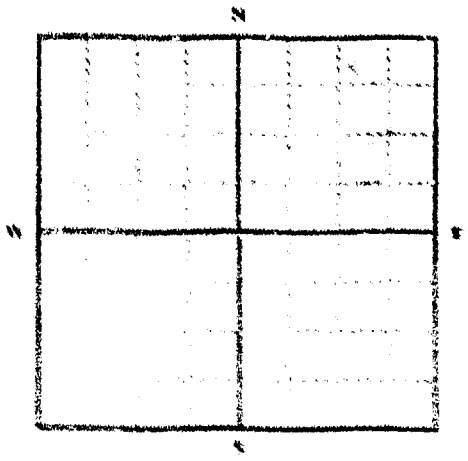
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Herman Kathman, of Chinook Montana
(Name of Appropriator) (Address) (Town)

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



Indicate point of appropriation and place of use, if possible. Each small square represents 20 acres.

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1938

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

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

8. The depth of 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

10. The estimated annual groundwater withdrawal was

11. The last or terminus [illegible] in the drilling of each well is [illegible]

12. [illegible]

[illegible]

[illegible]

[illegible]

GW

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No. .....

T 32 R 20

DUPLICATE

County .....

RECEIVED JAN 6 1964

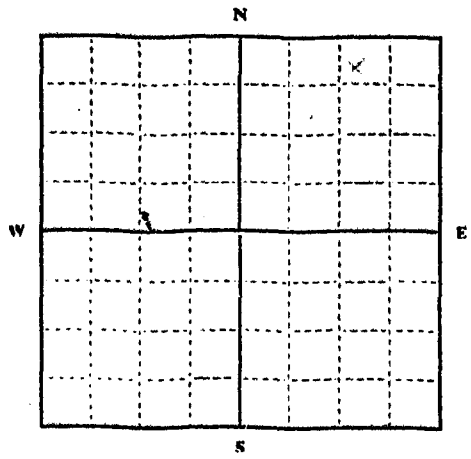
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Herman Kathman, of Chinook (Address) Montana (Town)
(Name of Appropriator)

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



.....¼..... Sec 9 T 32 R 20

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1938

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

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 1938

8. The depth of water table 20 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 110 ft deep 6 in 4½ inch steel casing

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

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

Signature of Owner Herman Kathman

Date Dec 31 1963

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

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

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

21913

252072

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 31 DAY
OF December A. D. 1963
AT 9:45 O'CLOCK AM.
Cora L. Musgrove
COUNTY CLERK

DEPUTY

FEE 2.00

File No. GW2

K

T 32 R 20 9

DUPLICATE

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED DEC 23 1963 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level)

1	top soil
24	brown clay boulders
34	lite blue shale
35	rock
52	lite gray shale
53	tan shale
74	sandy lite gray shale
82	blue shale
102	sandstone

102 Show exact depth of bottom.

Owner Kathman Bros. Address Chinook Montana

Driller Simpson Drilling Co. Address Malta, Montana

Date of Notice of appropriation of ground water

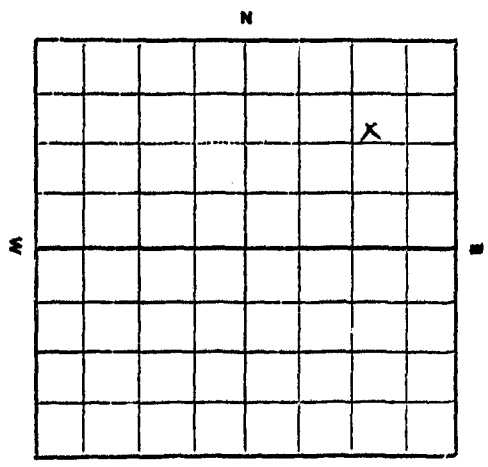
Date well started 12/4/63 Date Completed 12/7/63

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	5"17 Lbs	18"AG	102	1/4	79	102



NE 1/4 NE 1/4 Sec. 9 T 32 R 20

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

Static Water Level for non-flowing well 31 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 75 feet at 7 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested pumped

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)

15
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 Appropriator.

1110

File No. GW2

K

T 32N, R 20 9

DUPLICATE

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED DEC 23 1963 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level _____)

1 top soil
24 brown clay boulders
34 lite blue shale
35 rock
52 lite gray shale
53 tan shale
74 sandy lite gray shale
82 blue shale
102 sandstone

102

Show exact depth of bottom.

Owner Kathman Bros. Address Chinook Montana

Driller Simpson Drilling Co. Address Malta, Montana

Date of Notice of appropriation of ground water _____

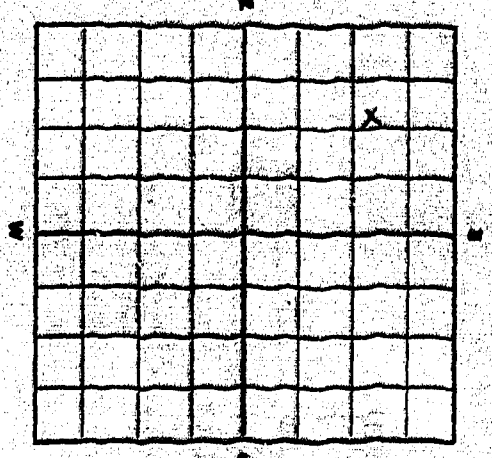
Date well started 12/4/63 Date Completed 12/7/63

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	5"17 Lbs	18"AS	102	1/4	7	102



NE¼ NE¼ Sec 1 T 32 R 20
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well 31 feet

Shut-in Pressure for Flowing Well _____ #

Pumping Water Level 72 feet

at 7 gal. per minute

Discharge in gal. per min. of flowing well _____

How Tested Pumped

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) _____

15
Driller's License Number

Charles Lassiter
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 Appropriator.

1110

251644

251644

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 12 DAY
OF December A. D. 1963
AT 11:00 O'CLOCK A M.

Cara L. Musgrove
COUNTY CLERK

DEPUTY

FEE 2.00

GW

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.....

T 32 R 20

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

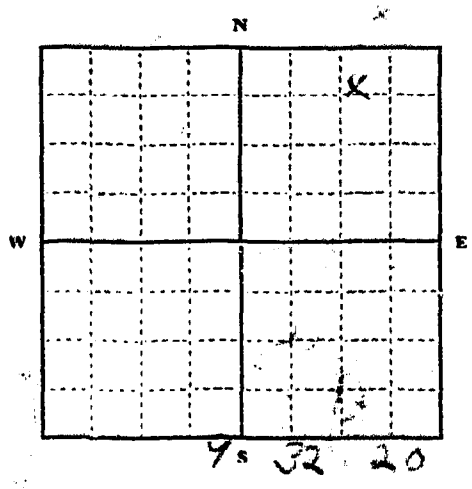
JAN 6 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John Rattman (Name of Appropriator), of Chinook (Address) Montana (Town)

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



.....¼..... Sec..... T..... R.....

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gpm

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 & trees

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1938

8. The depth of water table 25 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 104 ft deep
4½ inch steel casing

10. The estimated amount of groundwater withdrawn each year 365,000

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.....

John Rattman
Signature of Owner.....

Dec 31 1962
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.

21912

252071

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 31 DAY
OF December A. D. 19 63
AT 9:45 O'CLOCK a M.

Cara L. Musgrove
COUNTY CLERK

DEPUTY

FEE 2.00

10

File No. .....
DUPLICATE

T. 32 R. 20
County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

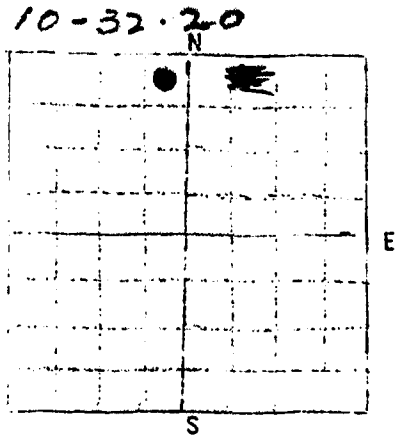
RECEIVED
JAN 4 1968
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

Rudolph C. Friede by Joyce Maple, of Rt. 1 Chinook
(Name of Appropriator) (Address) (Town)

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

10-32-20



..¼....Sec....T....R....
dicate point of appropriation
d place of use, if possible.
ch small square represents 5.
acres.

2. The beneficial use on which the claim is based.....
Stock & household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
Jan. 50 years (1913)

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

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

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

. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
50 yrs ago (1913)

. The depth of water table....10 ft

. 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.....
26 ft. deep
4 ft. across (dug well)

. The estimated amount of groundwater withdrawn each year. Continuous use

. The log of formation encountered in the drilling of each well if available.....
No information

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

Signature of Owner Rudolph C. Friede by Joyce Maple

Date Dec. 30, 1968

ATE OF MONTANA)
unty of .....) ss.

..... having first been duly sworn, depose... and sa; 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.

.....218 69

252026

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 30 DAY
OF December A. D. 1963
AT 2:40 O'CLOCK P M.

Cora L. Musgrave
COUNTY CLERK

DEPUTY

FEE 2.00

GV

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.

T. 32 R. 20

DUPLICATE

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

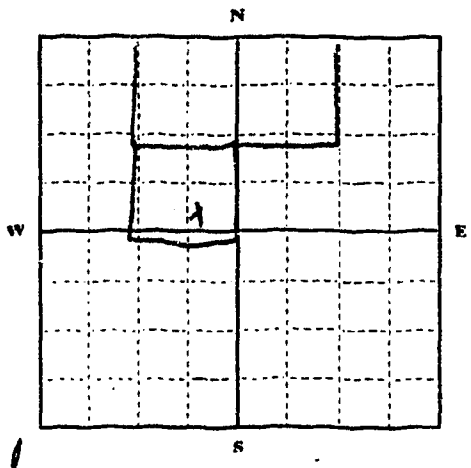
RECEIVED JAN 6 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Chester D. Nicholson, of Chinook
(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:



NE 1/4 NW Sec. 11 T. 32 R. 20

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 Family + Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1925 - Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 Gal/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

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

8. The depth of water table 8 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4) Four Ft. Square Wooden Casing 16 ft. deep.

10. The estimated amount of groundwater withdrawn each year 365,000

11. The log of formations encountered in the drilling of each well if available Not a drilled Well. Shallow well.

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 Chester Nicholson

Date 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.

21804

25-1953

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 27 DAY
OF December A. D. 1963
AT 2:30 O'CLOCK P. M.

Ora L. Mangus
COUNTY CLERK

Esther Sheets
DEPUTY

FEE 2.50

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42199

14

File No.....

T 32 R 20

DUPLICATE

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

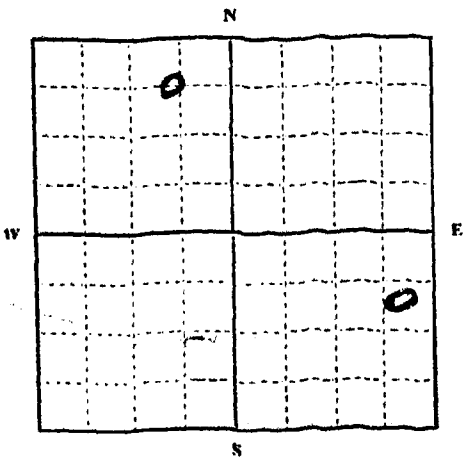
Date of Appropriation of Groundwater 1912

Owner Lizzie Drummond Address Chinook Mont

Contractor (if any) — none

Address of Contractor —

Date Started — Date Completed —



.....¼..... Sec 14 T 32 R 20

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

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

water comes out of ground beside a rock
spring is not opened up.

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 since 1912

use for stock water
summer months

Signature of Owner.....

Date Dec 26 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.

21836

251993

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 30 DAY
OF December A. D. 1963
AT 12:50 O'CLOCK P M.
Cora L. Mengre
COUNTY CLERK
Esther Sheets
DEPUTY

FEE 2.00

G

Approved Stock Form—State Publishing Co., Helena, Montana 40876

File No. .....

T. 31 R. 20

DUPLICATE

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED FEB 1 ... STATE ENGINEER

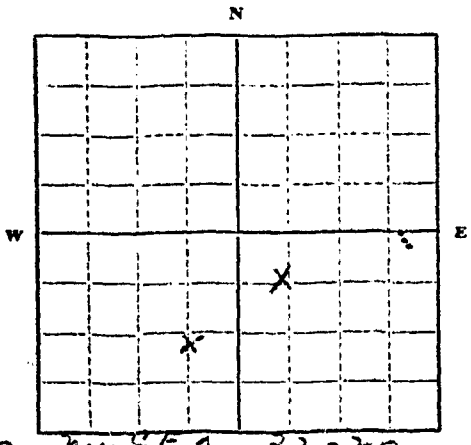
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Carolyn Vogt, of Chinook
(Name of Appropriator) (Address) (Town)

County of Blaine State of Montana

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



SE nw SE 20-32-20

~~SW~~ ¼ NW Sec. 7 T. 21 R. 20

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 + Domestic
" "

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Feb. 1961 - 1954 - Still
Continuous Continued

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
16 gal - 6 To 7 (20-32-20)

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
40

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
Feb 1961 - 1954

8. The depth of water table 68 Feet - 100 ft (20-32-20)

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" Steel Casing - 4" Galvanized (20-32-20)
Submerged Pump Cyl Pump

10. The estimated amount of groundwater withdrawn each year 50,000 gal
10,000 (20-32-20)

11. The log of formations encountered in the drilling of each well if available
Shale Sand - (20-32-20)

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 Carolyn Vogt

Date Jan 20 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.

Eng

249647

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 20 DAY
OF June A. D. 1963
AT 4:00 O'CLOCK P M.
Earn E. Monroe
COUNTY CLERK
Esther Sheets
DEPUTY

FEE 2.00

GW 2

32-20 — 25

Approved Stock Form—State Publishing Co., Helena, Montana—39085 3

File No.....

T. 32 R. 20

DUPLICATE

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED SEP 10 1963 STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

2 topsoil
15 light brown shale
20 gravel + quicksand
50 grey shale
85 grey sandstone
290 grey shale
290 sandstone + water
291 bottom

Owner John Hetlesen Address Chinook, Mont.

Driller Leste Warburton Address Chinook, Mont.

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

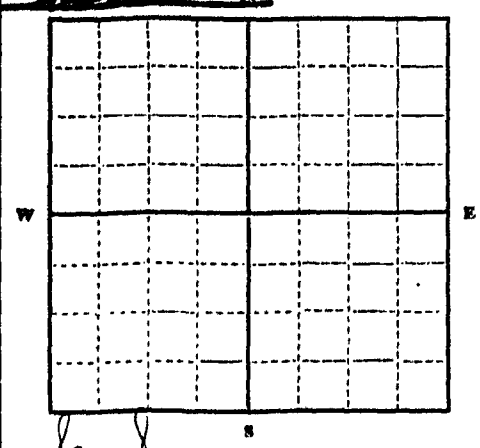
Date well started 8-28-63 Date Completed 9-5-63

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8½"	8⅝"	+1	23½			
7½"	6⅝" x 13#	+2	0	1/4" x 2"	230	235
7½"	6⅝" x 13#	0	294	1/4 x 2	270	290



SE 1/4 SW Sec. 25 T. 32 R. 20

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 150 feet.

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

Pumping Water Level 290 feet at 4 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) Rubber inner tube packer set in at 100 ft.

31
Driller's License Number

Leste Warburton
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.

5807.

250333

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 9 DAY
OF Sept A. D. 1963
AT 9:10 O'CLOCK A M.

Cora L. Murnagse
COUNTY CLERK

Esther Sheets
DEPUTY

FEE 2.00

28

Form No. 18
8-60

T. [illegible] R. [illegible]

County [illegible]

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
STATE ENGINEER

Water Well Log

2		

Owner [illegible] Address [illegible]

Driller [illegible] Address [illegible]

Date Started [illegible] Date Completed [illegible]

Location: Sec. [illegible] T. [illegible] R. [illegible] ¼ sec. [illegible]

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

Water use: Domestic ☐ Municipal ☐ Stock ☑ Irrigation ☐

Industrial ☐ Drainage ☐ Other _____

Casing: 0 ft. to [illegible] ft. Type [illegible] Size [illegible]

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

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

Perforated or screened: Ft. _____ to ft. [illegible]. Ft. _____ to ft. _____

Type of screen or perforations [illegible]

Static water level, for non-flowing well: [illegible] feet.

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

Pumping water level [illegible] feet at [illegible] gal. per min. _____

How tested: [illegible]

Length of test [illegible]

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

(over)

28

Form No. 18
8-60

T. 3 R. 20
County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
SEP 2 - 1961
STATE ENGINEER

Water Well Log

Owner [illegible] Address [illegible]
Driller [illegible] Address [illegible]
Date Started 8/-/61 Date Completed 7/1/61
Location: Sec. 18 T. 32 R. 20 ¼ sec. NW¼ SW¼

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

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

Casing: 0 ft. to 320 ft. Type [illegible] Size [illegible]
Casing: ft. to ft. Type Size
Casing: ft. to ft. Type Size
Perforated or screened: Ft. [illegible] to ft. 345. Ft. to ft.
Type of screen or perforations [illegible]
Static water level, for non-flowing well: 150 feet.
Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level 340 feet at 4 gal. per min.
How tested: bailer
Length of test 2 hours
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	10	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	75	[illegible]
75	105	[illegible]
[illegible]	110	[illegible]
110	125	[illegible]
125	200	[illegible]
200	210	[illegible]
210	215	[illegible]
[illegible]	[illegible]	[illegible]
215	220	[illegible]
220	225	[illegible]
225	250	[illegible]
	[illegible]	[illegible]

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	10	topsoil & subsoil
10	20	sand
20	25	shale
25	75	brown sandstone
75	105	gray sandstone
105	110	gray shale
110	125	brown sandstone
125	200	gray sandstone
200	210	gray shale
210	245	gray sandstone
245	260	black shale
260	290	gray sandstone with water
290	315	gray shale
315	330	gray sandstone with some water
330	335	gray shale " " " " "
335	380	black shale
	380	bottom

GW 2 STATE WATER CONSERVATION BOARD Approved Stock Form—State Publishing Co., Heiena, Montana—42329

File No. NOV 18 1965 T. R.

DUPLICATE

Bille McDermott
Butzerin McNulty
Coyle Morton
Dunlinton Sullivan
Dickert

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Kenneth Gordon Address Chinook

Driller Lester Warbuton Address "

Date of Notice of appropriation of groundwater 10-1-64

Date well started 10-19-64 Date completed 11-1-64

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

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

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

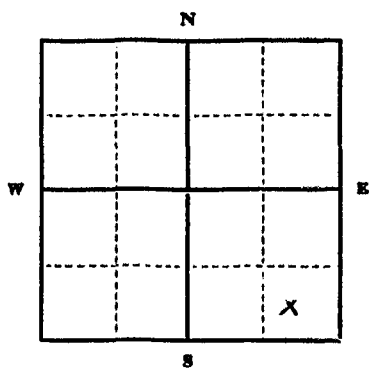
LOG

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

0	
36	various colored shales
40	grey sandstone
49	" shale
54	" sandstone
60	" shale
61	hard rock
78	various colored shales
84	grey sandstone
140	layers of shale + sandstone
145	grey sandstone + water
182	" "
229	layers of shale + sandstone
230	grey sandy shale + water
288	grey sandy shale
289	" " " + water
445	brown sandy shale
490	dark grey shale

Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
	8 5/8	1	0			
8 5/8	8 5/8	0	22	~~140~~	140	145
	6 5/8	2	0	1/4 x 2"	180	185
6 5/8	6 5/8	0	322		225	230
					280	288



SE¼ Sec. 32 T. 32 R. 20
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 125 feet.

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

Pumping Water Level 320 feet at 3 gal. per minute.

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

How Tested bailer

Length of Test 3 hrs

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

(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).

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.

31
Driller's License Number

Lester Warbuton
Driller's Signature

39837

257222

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 12 DAY
OF November A. D. 1965
AT 3:00 O'CLOCK P M.
Cora L. Musgrove
COUNTY CLERK

DEPUTY

FEE 2.00

T. 32 R. 20 33

County Blaine

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Wallace Warburton Address Chinook, Mont.

Driller Lester Warburton Address Chinook, Mont.

Date Started 6/26/61 Date Completed 7/4/61

Location: Sec. 33 T. 32 R. 20 ¼ sec. SW¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 371 ft. Type iron Size 6 5/8"

Casing: ft. to ft. Type Size

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

Type of screen or perforations none

Static Water level, for non-flowing well: 360 feet.

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

Pumping water level 410 feet at 10 gal. per min.

How tested: bailer

Length of test 2 hours

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	20	topsoil and subsoil
20	105	shale
105	120	sandstone
120	205	shale
205	220	gray sandstone
220	230	shale
230	310	gray sandstone
310	335	gray shale
335	375	gray sandstone
375	420	gray sandstone + water
420	440	dark shale

G 5.Em

File No.

DUPLICATE

T 32 R 20

County BLAINE

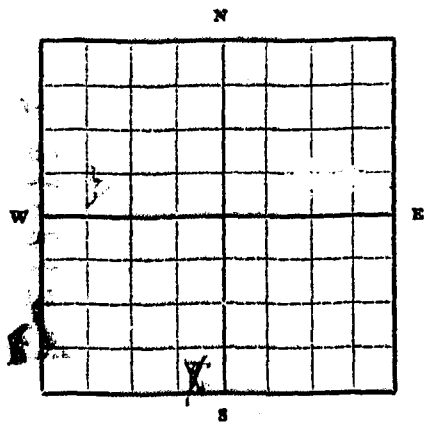
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 1 1963
ASSISTANT
STATE E NEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. WALLACE WARBURTON, of CHINOOK
(Name of Appropriator) (Address) (Town)
County of BLAINE State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE ¼ SW ¼ Sec. 34 T. 32 R 20

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

2. The beneficial use on which the claim is based House water and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1919 has been used continuously since 1919

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 300 gal per 24 hr 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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater during the year of 1919

8. The depth of water table 14 to 20 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 depth 20 ft. 24 in culvert curbing

10. The estimated amount of groundwater withdrawn each year 109500 gal

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

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 Wallace Warburton
Date April 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 School of Mines and Quadruplicate for the Appropriator.

248815

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 17 DAY
OF April A. D. 1963
AT 1:55 O'CLOCK P M.

Cora L. Burgess
COUNTY CLERK

Esther Shutz
DEPUTY

FEE 1.00

GROUNDWATER INDEX

County BLAINE Twp. 32 NORTH Rge. 21 EAST

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	TOW, RICHARD	GW-2	270959	
1	FUNK, WALTER	GW-2	272281	
2	CHAPMAN, FRANCIS	WELL LOG	250488	
2	ANNIS, BRYCE			
3	NESSLAR, BROS.		251988	
5	HARPLES, E. M.	WELL LOG		
5	STIRLAND, RULON G. & LOUISE		252036	SAME FORM
5	" "		252036	
5	LUCKETT, E. W.	GW-2	246257	
5	JENSEN, KENNETH		252103	
5	BLATTER, KENNETH B.		251944	
5	BLATTER, KENNETH B.		251943	
5	FRIEDE, HERMAN		251914	
6	WARBURTON, WALLACE		251932	
6	HENDERSON, GREGORY J. &		272309	
6	HENDERSON, GREGORY J.		272310	
7	WARBURTON, WALLACE	GW-2	251933	
7	WARBURTON, WALLACE	GW-2	251934	
8	FRIEDE, HERMAN		251914	SEE SEC. 5
8	TILLEMAN, HENRY & IRMA		251840	
9	NESSLAR BROS		251988	SEE SEC. 3
9	DERSLEY, GLENN	GW-2	245965	
9	HAMILTON, JOHN M.		251942	
9	HAMILTON, JOHN	GW-2	256363	
9	SCHWENKE, CHESTER		251818	
10	NESSLAR BROS		251988	SEE SEC. 3
10	CHAPMAN, FRANCIS	GW-2	270448	
11	MUSGROVE, ROBERT M.		249656	
12	POPPLER, CAROLINE		251645	
15	SCHWENKE, CHESTER		251818	SEE SEC. 9
17	TILLEMAN, HENRY & IRMA		251840	SEE SEC. 8
24	WILSON, GORDON C.	WELL LOG		

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County BLAINE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

This form to be prepared by drille , 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 RICHARD TOW

Address ZURICH, MONTANA

Date well started 4/17/1972

completed 4/20/1972

For Administrator's Use
File 270959
Feb. 6, 1973
GW 1 4:30 p.m.

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

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

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

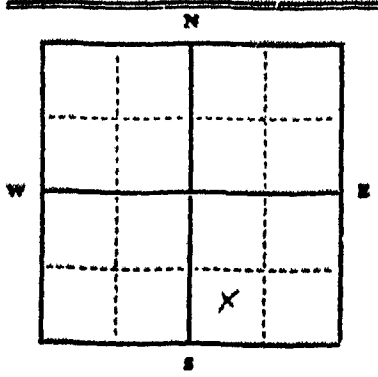
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 75000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	5½" .258	1' A.G.	35	3/16	19'	35'



SW¼ SE¼ Sec. 1
T. 32 N R. 21 E

Static water level 17 ft.*
Pumping water level 29 ft.*
at 7 gallons per minute,
measured ....minutes after pumping began.
*Measured from ground level.
Well developed by
for ....hours.
Power 115 Pump 1/4 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
GRAVEL PACK

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

Driller's Signature

Driller's Address 1609 Maple Drive, Havre, Montana

LICENSE NO. 15

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	18	CLAY GRAVEL & BOULDERS
18	34	ROCK & WATER
34	35	GRAY SHALE

35 Show exact depth of bottom

S.T. 357

#270959

STATE OF MONTANA }
County of Blaine }

Filed for record this 6 Day
of Feb, A. D. 1923
At 4:30 O'Clock P M.

County Clerk
Lucien L. Ashcraft
Deputy

Fee

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—(232)

File No.....

T.....R.....

TRIPLICATE

County.....

RECEIVED

MONTANA BUREAU OF MINES AND GEOLOGY

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Walter Funk Address Zurich

Driller Lester Washburn Address Chinook

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

Date well started May 3 1962 Date completed May 4 1962

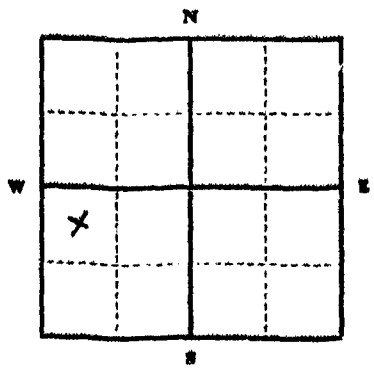
Type of well drilled (Dug, Driven, bored or drilled) Equipment used Churn Drill (Churn drill, rotary or other)

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

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

Top of Ground (Elev. above sea level.....)	
0	
11	gray shale
20	yellow sandstone
35	sand + gravel
50	gray soft sandstone
75	gray sandstone and sandstone
80	sandstone
115	gray shale
120	brown shale
125	gray sandstone + shellacent gravel
135	various colored shales
205	fine water bearing sand
215	various colored shales
12	shellacent of water
225	shale + soft limestone
230	limestone
254	brown shale + water 17.8 m.
290	hard gray shale
305	gray shale + water
307	shale
307	bottom

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
	8 5/8 x 22#	2	0	None		
8 5/8		0	84			
6 3/4	6 5/8 x 13#	72	307	4 x 22	215	218
					235	240
					255	265
					290	305



NW 1/4 Sec 1 T..... R 21

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

Static Water Level for non-flowing well 12 feet.

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

Pumping Water Level 200 feet at 7 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) cemented

gravel pack @ 175

sand @ 205

(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).

272281
June 28, 1973
9:35 A.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.

31
Driller's License Number

Lester Washburn
Driller's Signature

54861

#272281

STATE OF MONTANA
County of Blaine

Filed for record this 28 Day
of June A. D. 19 29
At 9:35 O'Clock A M.

County Clerk

Deputy

Fee 2.00

Form No. 18
8-60

T. 32 R. 21

County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
STATE ENGINEER

WATER WELL LOG

Owner Francis Chapman Address Harlem

Driller Billmayer [illegible] Address Hay [illegible]

Date Started [illegible] Date Completed [illegible] 61

Location: Sec. 2 T. 32 R. 21 ¼ SWSW sec. 2

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

Water use: Domestic ☐ Municipal ☐ Stock ☑ Irrigation ☐

Industrial ☐ Drainage ☐ Other

Casing: Top ft. to 67' 7" ft. Type New 6" well Size 7"

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: 11 feet.

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

Pumping water level 17 feet at 20 gal. per min.

How tested: [illegible]

Length of test [illegible]

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

[illegible] 7" [illegible] well [illegible]
[illegible] well

(over)

Form No. 18
8-60

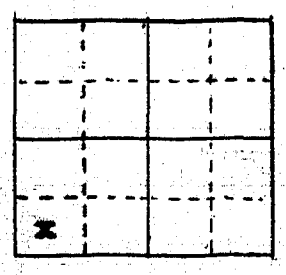
T. 32 R. 21

County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
NOV 14 19
STATE ENGINEER

WATER WELL LOG



Owner Francis Chapman Address Havlem

Driller Billmayer Bros Address Havlem

Date Started Oct 21 Date Completed Oct 21 61

Location: Sec. 2 T. 32 R. 21 SW¼ SW¼ sec. 2

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

Water use: Domestic ☐ Municipal ☐ Stock ☑ Irrigation ☐

Industrial ☐ Drainage ☐ Other

Casing: Top ft. to 67' 7" ft. Type New 4" well Size 4"

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: 14 feet.

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

Pumping water level 17 feet at 30 gal. per min.

How tested: Bailer

Length of test 1 hr

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

Bottom 7 ft casing filled with Gravel
very Good well

(over)

Log of Well

Depth, feet From	To	Description of Material Drilled
Top	1	Surface
1	6	Clay
6	15	Coarse Sand
15	57	Clay
57	69	Sand [illegible]
69	70	Gravel

Log of Well

Depth, feet From	To	Description of Material Drilled
Top	1	Surface
1	6	Clay
6	45	Quick Sand
45	57	Clay
57	69	Sand "water"
69	70	Gravel

GW

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

File No.

T 32 R 21

DUPLICATE

County Blaine

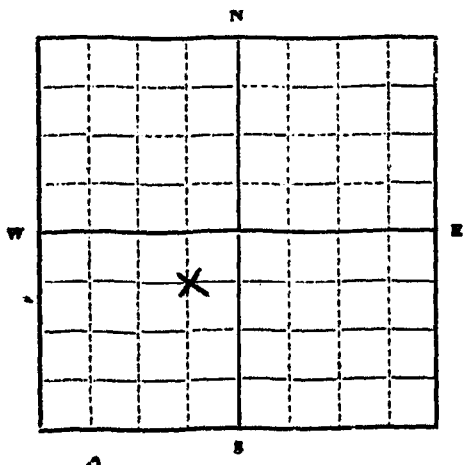
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 26 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



NE ¼ Sec 2 T 32 R 21

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1960

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approx 5 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
NO

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Spring of 1960

8. The depth of water table Approx 21 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
8" Tile Casing

10. The estimated amount of groundwater withdrawn each year Approx 12 Thousand gallons

11. The log of formations encountered in the drilling of each well if available
Clay - Sand Gav.

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 Bryce Annis

Date Sept 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.

6063

250488

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 25 DAY
OF September A. D. 1963
AT 9:30 O'CLOCK A M.
Cora L. Mungas
COUNTY CLERK
Esther Sheets
DEPUTY
FEE 2.00

GW

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

File No.....

T. 32 R. 21

DUPLICATE

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

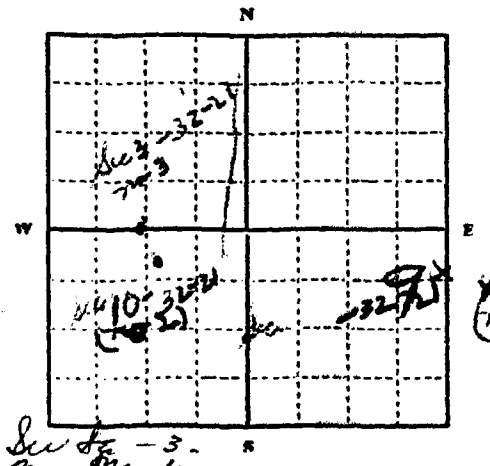
RECEIVED JAN 6 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Kessler Bros., of Chinook, Montana
(Name of Appropriator) (Address) (Town)

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



Sec 34 - 3 - NW NE - 10

¼ Sec. T. 32 R. 21

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

NE NE - 9

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been March 1951

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 inches for each well

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal one well with pressure pump. other two with common pumps and jacks.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Wells drilled 1951 thru 1953. This is approximate

8. The depth of water table Ranges from 40 ft. to 185 ft. in the different wells

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 no. 1 85 ft. deep 6 inch casing, with common pump ad jack. Well no 2 216 ft deep with common pump and jack
Well no 3 196 ft deep with 5 inch casing and pressure pump

10. The estimated amount of groundwater withdrawn each year Have no idea but continuous use.

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

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

Signature of Owner Frank D. Kessler

Date Dec. 28, 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.

21831

251988

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 30 DAY
OF December A. D. 1963
AT 11:15 O'CLOCK A M.

Cara L. Murphree
COUNTY CLERK

DEPUTY

FEE 2.00

5

T. 32 R. 21

County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
FEB 9 1961
STATE ENGINEER

WATER WELL LOG

Owner: E.M. Sharples Address: Zurich

Driller: Simpson Dr.Co Address: Malta

Date Started: Nov 16-1960 Date Completed: Nov. 17

Location: Sec. 5 T. 32 R. 21 ¼ sec. Lot 4

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 116 ft. Type threaded Size 4 ~~xxxx~~ H.W.I.D.

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: 6 feet.

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

Pumping water level 16 feet at 15 gal. per min.

How tested: Bailer

Length of test 1 hour

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	1	top soil
1	7	Brown sandy clay
7	30	blue clay
30	45	brown clay & water
45	55	brown clay
55	75	sand & water
75	101	blue silt clay
101	106	blue sandy clay
106	113	black clay
113	115	gravel & clay & water
115	116	good gravel & water

File No.....
DUPLICATE

T. 32 ..... 21 .....

County..... Blaine .....

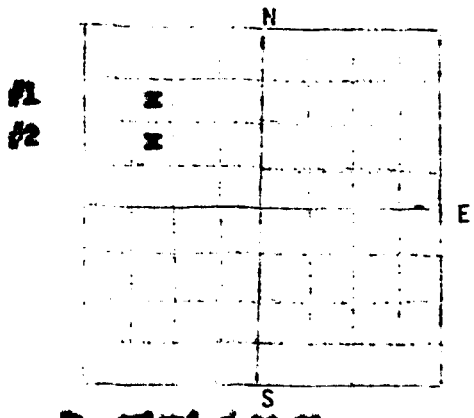
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

Ralph G and Louise Stirland ....., of..... Chinook .....
(Name of Appropriator) (Address) (Town)

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



#1 NE¼NW¼ 5-32-21
#2 NE¼NW¼ 5-32-21
..¼....Sec....T....R....
dicate point of appropriation
d place of use, if possible.
ch small square represents 5 acres.

2. The beneficial use on which the claim is based.....
#1--Household and stock water--#2--Stock water
.....

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
1946 possibly 5 years sooner
.....
.....

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

5. If used for irrigation, give the acreage and descriptio 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 an the location of each well or other means of withdrawal
#1 pressure system
#2 jump jack ..... both electric
.....

. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
Same as 5.
.....

. The depth of water table..... 85 feet for both wells .....

. 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 steel casing .....
.....
.....

. The estimated amount of groundwater withdrawn each year..... continuous use .....

. The log of formation encountered in the drilling of each well if available.....
sand
.....
.....
.....

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

Signature of Owner Ralph G. Stirland

ATE OF MONTANA)
unty of Ralph G. Stirland)ss.

Date..... December 30, 1963 .....

..... having first been duly sworn, depose... and sa; that ..he.is.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..is subscribed thereto, as the appropriator... and claimant..., that ..he ... know.s. the contents of said foregoing notice and that the matters and things therein stated are true.

Ann L. Musgrove 21879