

File No.

T. 31 N. R. 20 E

DUPLICATE

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

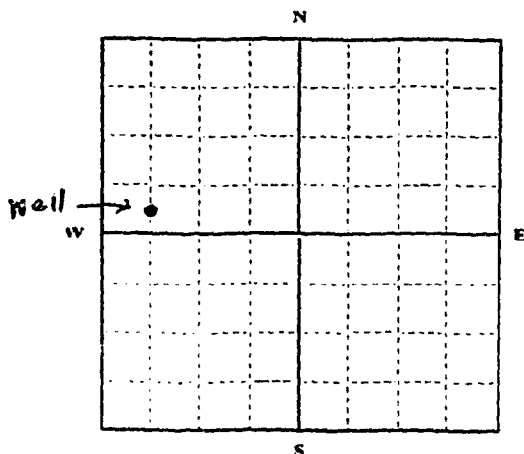
RECEIVED
DEC 16 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Anna H. Dahl, of Chiswick
(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 NW 1/4 Sec. 6, T. 31 N. R. 20 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 water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 10, 1950
This well has been used steadily since it was drilled.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 Gallon per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal By use of submersible pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started June 10, 1950 and completed on June 15, 1950
8. The depth of water table 90'
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 This well was drilled 120' deep. It has a 6" casing.
10. The estimated amount of groundwater withdrawn each year 50,000 gallons
11. The log of formations encountered in the drilling of each well if available
Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record This well is producing water from 90' to 120' from sandstone formation.

Signature of Owner

Anna H. Dahl

Date Dec. 13, 1963

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

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

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

9077

251654

STATE OF MONTANA
County of Elaine

FILED FOR RECORD THIS 13 DAY
OF December A. D. 1963
AT 2:10 O'CLOCK P. M.
Casa L. Thompson
COUNTY CLERK
Esther Shatt
DEPUTY
FEE 2.00

File No. _____

T. 31 R. 20

DUPLICATE

County B. A. I. N. C.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

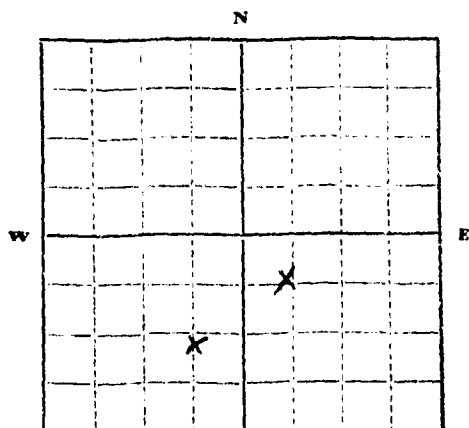
RECEIVED
FEB 14 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. CAROLYN VOGT of Chinook
(Name of Appropriator) (Address) (Town)
County of B. A. I. N. C. 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 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 - Fall
Continuous
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.
NO
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" (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

[Signature]
Date June 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.

34910

Eng

249649

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 20 DAY

OF June A. D. 1963

AT 4:00 O'CLOCK P. M.

Eva L. Munson

Ester Sheets

DEPUTY

FEE 2.00

GW

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

File No.

T. 1 R. 20

DUPLICATE

County. Leine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

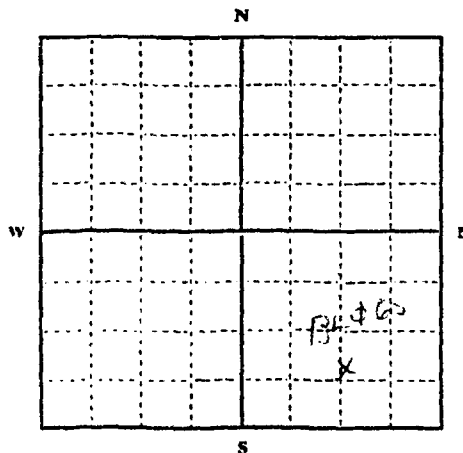
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 3 1964
D
ENGINEER

1. Charles Willson, of Chinook Chinook
(Name of Appropriator) (Address) (Town)

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



E 1/4 Sec 14

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 house hold
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1/15/54
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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 Not at present
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Flowing
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1/5/54 1/15/54
8. The depth of water table 122 to 140
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 Three inch black iron casing
10. The estimated amount of groundwater withdrawn each year nine hundred thousand gal.
11. The log of formations encountered in the drilling of each well if available 0-20 Garvel 20-1-2 blue sticky clay 12-140 water 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 20-12

Signature of Owner Charles Willson

Date 12-30-63

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

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

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

21926

252085
STATE OF MONTANA
County of Blaine
FILED FOR RECORD THIS 31 DAY
OF December A. D. 19 63
AT 11:32 O'CLOCK A. M.
Cora L. Musgrave
COUNTY CLERK
DEPUTY
FEB 20

GW-2

File No.

DUPLICATE

T. 31 N. R. 20 E

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Henry Tillman Address Chenook

Driller Walter Rullig Address Chenook

Date of Notice of Appropriation of Groundwater

Date well started 10-22-62 Date Completed 10-25-62

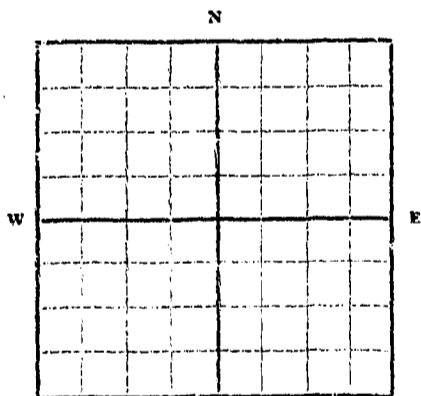
Type of well drilled Equipment Used Churnhill
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

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
5 soil
(ft. above sea level)
sub
25 quicksand
50 soft shale (brown)
55 gravel
144 soft shale (brown)
150 quicksand
sandstone + water
155 bottom

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	6 5/8 x 13 1/2	+3	0	<u>none</u>	<u>none</u>	
7"	6 5/8 x 13 1/2	0	152			



1/4 Sec 17 T 31 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 feet.

Shut-in Pressure for Flowing Well app. 30#

Pumping Water Level feet at gal. per minute.

Discharge in gal. per min. of flowing well 80 gal. per min.

How Tested bracket Length of Test after 24 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) drine adve

used on bottom of casing well drilled and driven.

31
Driller's License Number

Walter Rullig
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.

Doc.#247147

STATE OF MONTANA
County of Blaine

FILE FOR RECORD THIS 8
OF November 1962
4.00 P M

A.H.Dorm

CERT. CLERK

\$2.00 paid

Form No. 18
8-60

T. 31 R. 20
County Deer

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

STATE ENGINEER

		X	

Owner John J. H. H. H. Address Ch. H. H.
Driller Ch. H. H. Address Ch. H. H.
Date Started 1/1/61 Date Completed 1/1/61
Location: Sec. 1 T. 1 R. E $\frac{1}{4}$ sec. 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: ft. to ft. Type Size

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: feet.

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

Pumping water level feet at gal. per min.

How tested:

Length of test

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

(over)

T. 31 R. 20
County Blaine

RECEIVED

STATE ENGINEER

	X

Owner Charles F. Thomas Address Chenault
Driller Frank Thomas Address Chenault
Date Started 12/1/61 Date Completed 1/14/62
Location: Sec. 17 T. 31 R. 10E $\frac{1}{4}$ sec. SW/4SE/4

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

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

Casing: 0 ft. to 20 ft. Type 100 Size 2 7/8"

Casing: 0 ft. to 56 ft. Type Black Size 6 5/8"

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

Perforated or screened: Ft. None to ft. 4

Type of screen or perforations 27-0

Static water level, for non-flowing well: _____ feet

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

Pumping water level -3 feet at 10 gal. per min. Known

How tested: 100% by yellow book

Length of test 30 minutes

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	5	Topsoil
5	15	Loam
15	20	Gravel
20	25	Loam with pebbles & shells
25	30	Gravel & pebbles
30	35	Loam with pebbles
35	40	Gravel & pebbles
40	45	Loam with pebbles
45	50	Gravel & pebbles
50	55	Loam with pebbles
55	60	Gravel & pebbles
60		Bottom well cased and filled sand to 50 feet
		Can be used for a good place to to get a good place to get

Log of Well

[illegible]

File No.

T. 31 R. 20

DUPLICATE

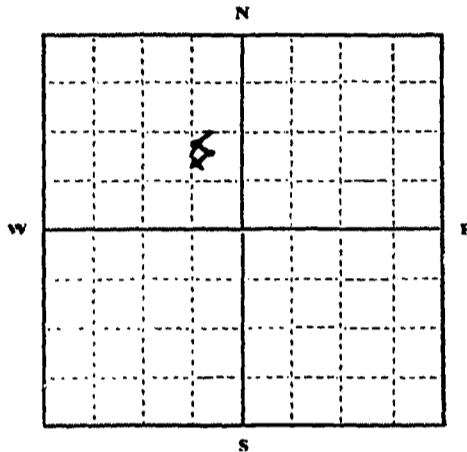
County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Leah G. Grwell Permu 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:



NW 1/4 Sec 18 T31 R20

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

2. The beneficial use on which the claim is based Household and livestock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1914 50 inches per min
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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 None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump
Electric
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1914
8. The depth of water table 50 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled 130 ft in alluvium
10. The estimated amount of groundwater withdrawn each year 100,000 gal per year
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

Date

Grwell and Loren
Permu
Dec 27, 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.

21792

251940

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 27 DAY
OF December A. D. 1963
AT 11:27 O'CLOCK A.M.

Cora L. Minagawa
COUNTY CLERK

FEES 2.00

DEPUTY

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

From Surface of Ground to 19' old well connected with six wall 6 ft in dia

19' to 25' large Boulders and Rocks

25' to 35' soft mucky slaty and clay greyish color

35' Beginning of water sand

35' Brownish color

272333

6-24-73

4:56 p.m.

38' Total depth

Show exact depth of bottom.

MONTANA STATE ENGINEER
WELL DRILLER'S REPORT

20

Driller W. S. Barger Address Chinook, Montana
Owner of Well Ralph S. Oshroka, Chinook, Montana
Exact Location of Well near center of sec. 31, Twp. 31, Rge. 20E
Water to Be Used for Drinking, and domestic purposes
Drilling Begun Oct. 3rd 1949 Well Finished Oct 6th 1949
Well Sealed, Date Oct 6th 1949 Type of Seal const cement
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.
Water Pressure at Top of Ground Pounds per Sq. In.

Casing Record

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	to (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	to (Feet)
6"	6" 10# per ft	8 ft	34 ft	None, casing left open ended		

Describe the type of joints in casing One collar
Type of drilling machine Small Port North Spudder
Describe any screens used None
Describe any grouting or cement work giving location and amount Cemented pipe with two sacks cement at 19 ft
Flowing capacity of well Well pumped approx 500 gals per day
How determined Well pumped approx 500 gals per day
Date water sample sent to State Board of Health None
STATE OF MONTANA,
County of Blaine ss.

W. S. Barger, being first duly sworn, deposes and says that he is the well driller named above, that he has read the above report, and that the same is true of his own knowledge.

Subscribed and sworn to before me this 17 day of October, 1949

(SEAL)

Notary Public for the State of Mont
Residing at Chinook, Mont. 1950.
My commission expires Jan. 9, 1950
(See other side for copy of the law.)

55401

272333

STATE OF MONTANA }
County of Blaine }

Filed for record this 29 th
of June A. D. 1973
At 2:56 O'clock P. M.

County Clerk
William J. [Signature]
Clerk

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 Henry J. Leman
Address Chinook
Mont
Date well started 10-5-62
completed 10-13-62
Type of well dug
Equipment used Churn drill
Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

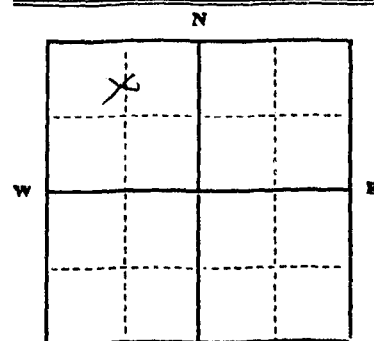
For Administrator's Use
File 271129
MARCH 9, 1973
GW 1 2:13 p.m.

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS	Kind Size	From (Feet)	To (Feet)
6 5/8	6 5/8 x 13 1/2	+1	24 1/2				
5 3/4	5' x 15"	+1	28 5/8	1/4 x 2	230	250	
				1/4 x 2	260	280	



NW 1/4 NW 1/4 Sec. 20
T. 31 N. R. 20 E

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

Driller's Signature Lester W. Hunter
Driller's Address Chinook Mont

LICENSE NO. 31

County Blaine

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	soil + topsoil
10	20	quicksand
20	30	sandstone
30	55	gray sandy shale
55	65	dark shale
65	80	gray shale
80	100	brown shale
100	110	soft gray sandstone
110	125	gray sandstone
125	140	brown shale
140	160	gray shale
160	190	gray shale
190	205	gray sandstone
205	230	gray shale
230	260	brown shale
260	270	gray sandstone + water
270	275	gray shale
275	280	gray sandstone + water
280	285	bottom

285 Show exact depth of bottom

52.5%

271129

STATE OF MONTANA }
County of Blaine

Filed for record this 9 Day
March A. D. 19 23
At 2:13 O'clock P M.

Lucien J. Schmeke County Clerk
Deputy

Fee _____

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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

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

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

For Administrator's Use

File 572346

June 29, 1973

GW 1 3.09 p.m.

Owner CLIFFORD GRUSZIE

Address Chinook, Montana

Contractor (if any) NA

Address of Contractor NA

Date Started _____ Date Completed early homestead

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.)
sub-irrigation

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

3. Depth of water table 2 feet

4. Use of the water irrigation

5. Amount of groundwater claimed (in miner's inches or gallons per minute)
480 gallons per minute

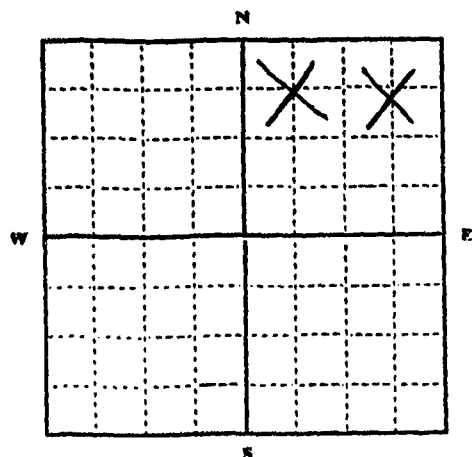
6. If used for irrigation, give number of acres and description of land
20 acres - N $\frac{1}{2}$ NE $\frac{1}{4}$ of Section 20, Township 31 North, Range 20 East, M.M.

7. Estimate amount of water used each year
unknown

8. Months of year spring flows
April, May, June

Signature of Owner /s/ Clifford E. Grusie

Date June 29, 1973



N $\frac{1}{2}$ $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 20

T. 31 N. R. 20 E. W

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

Elevation of spring, if known or estimated _____

54848

272346
272346

STATE OF MONTANA
County of Blaine
Filed for record this 24 Day
of June A. D. 1973
At 3:09 O'Clock P. M.

County Clerk

Deputy
Fee

FOR

A11

Top of Ground

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

0' to 5' Gravel

5' to 6' sand streak

6 to 20' Loam

20' to 30' silty clay

and loam

30' to 40' sandy

silt and small

streaks of sand

40' to 60' Bluish

clay with gravel

streaks

60' to 85' soft

sandy loam

85' to 86' loam

with black streaks

86' to 89' Water Sand

Brownish color (Sand) 6"

89' to 100' mucky

loam with coal streaks

100' to 120' mucky

loam with

coal streaks and

slight traces of gravel

120' to 147' Bluish

colored clay with

slight traces of

coal and shale

147'

147'

147'

147'

147'

147'

147'

147'

147'

147'

147'

147'

147'

147'

147'

147'

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147'

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147'

147'

147'

147'

147'

147'

147'

147'

147'

147'

MONTANA STATE ENGINEER

WELL DRILLER'S REPORT

24

Driller W. S. Barger Address Chinook, MontanaOwner of Well Ralph G. Ochsmcke Chinook, MontanaExact Location of Well near SE corner of 35th St & 800th StWater to Be Used for Stock, and drinkingDrilling Begun Oct, 6th Well Finished Oct, 15th 1949Well Sealed, Date Oct, 15th 1949 Type of Seal Gravel

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.

Water Pressure at Top of Ground None Pounds per Sq. In.

Casing Record

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	to (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	to (Feet)
	Sand one half inch 17# seamless casing	15ft above Ground	125ft	slits 6" none eighth inch	85ft	90ft

Describe the type of joints in casing Cellars with screw jointsType of drilling machine Small Fort. Worth SpudderDescribe any screens used none

Describe any grouting or cement work giving location and amount

cemented at top with common cementFlowing capacity of well noneHow determined Well baled approx 350 gals per dayDate water sample sent to State Board of Health Water rose within 45 ft of tpp

STATE OF MONTANA,

County of Blaine

W. S. Barger, being first duly sworn, deposes and says that he is the well driller named above, that he has read the above report, and that the same is true of his own knowledge.

Subscribed and sworn to before me this 17 day of October 1949

Notary Public for the State of Mont.,

Residing at Chinook, Mont.

My commission expires Jan: 9, 1950.

(SEAL)

(See other side for copy of the law.)

147 ft Total depth

Show exact depth of bottom.



STATE OF MONTANA }
County of Blaine }
Filed for record this 29 Day
of June A. D. 1923
At 2:55 O'Clock P M.

County Clerk

Deputy
Fee _____

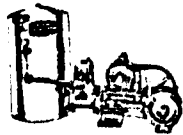
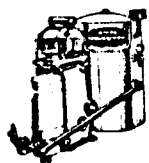
WELL DRILL

P. O. Box 1022

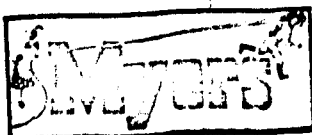
Malta, Montana

More Buyers Buy Myers

Log of well drilled for Ralph Behmcke Chinook
July 1956



527
147
380



M 701

	147	drilled before
147 -	153	blue shale
153 -	155	rock layer
155 -	185	blue shale
185 -	193	sandy grey shale
193 -	204	fine sandstone
204 -	207	rock layer
207 -	217	shaley grey sandstone
217 -	230	tan shale
230 -	237	green shale
237 -	240	sandstone
240 -	253	grey shale
253 -	253 1/2	rock layer
253 1/2 -	262	green shale
262 -	283	sandstone
283 -	305	hard grey and brown shale
305 -	310	grey shale
310 -	325	hard sandstone
325 -	347	grey shale
347 -	387	hard sandstone
387 -	403	reddish shale
403 -	423	sandstone
423 -	424	rock
424 -	459	sandstone
459 -	463	rock layer
463 -	527	sandstone

water level 180 feet bailed 10 gallons per minute at 190 feet

well cased with 4 inch 11 pound casing

4" casing from surface

T. 31 R. 20

County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

Owner Henry Halseth Address Chenook, Mont.
Driller Simpson Drilling Co. Address Maltby, Montana
Date Started April 3, 1961 Date Completed April 12, 61
Location: Sec. 26 T. 31 R. 20 1/4 sec. SW

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

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

Casing: 0 ft. to 298 ft. Type T and C Size 6 in.

Casing: 298 ft. to 455 ft. Type T and C Size 4 in.

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

Perforated or Screened: Ft. 375 to ft. 435 Ft. _____ to ft. _____

Type of screen or perforations: _____

Static Water level, for non-flowing well: 242 feet

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

Pumping water level: 288 feet at 14 gal. per min.

How tested: Baled

Length of test: 1 hour

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

(over)

Log of Well

[illegible]

GW 2

File No.

DUPLICATE

Approved Stock Form State Publishing Co., Helena, Montana—1902

RECEIVED
MAY 10 1964

T. 3. R. 2. 17

County BlaineSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER 1964Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Charles Tillman Address ChenookDriller Leslie Warburton Address Chenook

Date of Notice of Appropriation of Groundwater

Date well started 9/22/63 Date Completed 10-21-63Type of well drilled Equipment Used Chundill
(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.

Top of Ground	(Elev. above sea level.....)
0	Gravel
3	
20	gray shale
25	hard rock
30	brown shale
35	sand
45	brown shale
65	" sandstone
80	brown shale
110	brown sandstone
120	gray shale
130	sandstone
165	gray shale
175	dark shale
180	brown sandstone
195	gray shale
220	gray sandstone
230	dark shale
240	gray sandstone
263	dark shale
270	gray shale
275	rock & water
295	gray sandstone
345	gray shale
350	hard rock & water
360	gray shale
365	hard rock & water
468	dark gray shale (Clagget)
468	Bottom

Sec. 14 SW Sec. 27. T. 31. R. 20
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

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)
7 1/2"	6 5/8" X 13 1/2"	2	0	1/2" X 2"	270	280
		0	468	1/2" X 2"	345	350
				1/2" X 2"	360	365

Casing is 6 1/4" I.D.

Static Water Level for non-flowing Well 265 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 265 feet at 3 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Sniffer Length of Test 2 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) in new testpacker put in at 100 ft. Small amounts of water picked up at 275, 350, 365. Drive shoe usedDriller's License Number 31Driller's Signature Leslie Warburton

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.

21927

252086
252086
STATE OF MONTANA
County of Blaine
FILED FOR RECORD THIS 31 DAY
OF December A. D. 1963
AT 11:30 O'CLOCK A.M.
Lara L. Musgrave
COUNTY CLERK
DEPUTY
FEE 2.00

T. 31 R. 20
County Blaine

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

			X

Owner Jerome Conrad Address Chinook, Montana
Driller Simpson Drilling Co. Address Malta, Montana
Date Started May 20, 1961 Date Completed July 13, 1961
Location: Sec. 28 T. 31 R. 20 1/4 sec. SE 1/4 NE 1/4

Type of well drilled (Dug, driven, bored, or drilled) Equipment used churn to 400 rotary to bottom (Churn drill, rotary, other)

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

Casing: 0 ft. to 400 ft. Type screw joint Size 4 inch

Casing: 400 ft. to 950 ft. Type welded joint Size three inch

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 880 850 to ft. 930 Ft. to ft.

Type of screen or perforations drilled 3/16 inch holes

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

Shut-in pressure, for flowing well: did not shut in lb./sq. in. on: (date)

Pumping water level 105 feet at 8 gal. per min.

How tested: bailer

Length of test 2 hours

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

placed rubber packers on the three inch just above the perforations

flows about 3 1/2 gallons per minute

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	20	brown clay
20	21	gravel little water
21	102	streaks of brown and blue clay
102	105	gravel with a little water
105	124	blue shale with some streaks of sand
124	167	grey sandstone
167	174	light grey shale
174	176	brown shale
176	318	blue shale with some streaks of sandstone
318	435	dark shale clagget
435	436	rock layer
436	436	rock layer
436	436	rock layer
436	458	blaggett shale
458	459	rock layer
459	570	clagget shale
570	650	claggett shale
650	654	rock shells
654	680	buff sandstone top of eagle formation
680	690	thin shale layers and sandstone
690	710	sandstone and shale
710	730	grey shale
730	745	sandstone and shale
745	850	fine grain sandstone bailed hole not any water
850	857	sandstone
857	859	rock layer
859	930	sandstone and water
930	930	sandy grey shale

File No.

STATE WATER CONSERVATION BOARD

T. S. R. 2

DUPLICATE

JAN 9 1967

County Blaine

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level)

0
25 sand + gravel
25 soft brown shale
85 dark gray shale
86 gravel + water
86 bottom

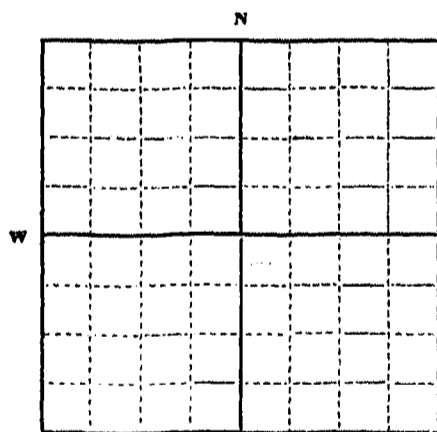
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner S. Dan B. Address Chinook, Mont.Driller Leota Washburn Address " "Date of Notice of Appropriation of Groundwater 10-1-66Date well started 11-11-66 Date Completed 11-17-66Type of well drilled + driven Equipment Used Churn Drill
(dug, driven, bored or (Churn, drill, rotary or drilled) other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
9"	8 5/8" X 24"	0	18	none		
8"	6 5/8" X 13"	0	86	none		



..... 1/4 Sec. T. R.
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 3 ft. feet.Shut-in Pressure for Flowing Well 2 feet.Pumping Water Level 30 feet at 30 gal. per minute.Discharge in gal. per min. of flowing well ✓How Tested back Length of Test 2 1/2 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) ✓

Driller's License Number 31Driller's Signature Leota Washburn

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.

41615

25-9145

STATE OF MONTANA }
County of Blaine }
Filed for record this 25 day
of Jan A. D. 1962
At 2:10 P. M.
Carla K. Thompson
County Clerk
Keith Street
Deputy
Fee 2.00

File No. _____

STATE WATER CONSERVATION BOARD

T. _____ R. _____

TRIPPLICATE

JAN 5 1967

County Blaine

Billings _____
 Bozeman _____
 Butte _____
 Carbonate _____
 Dickinson _____
 Gallatin _____
 Glacier _____
 Great Falls _____
 Helena _____
 Kalispell _____
 Missoula _____
 Montana _____
 Park _____
 Plenty _____
 Rapid _____
 Red _____
 Richland _____
 Rocky _____
 Spokane _____
 Teton _____
 Yellowstone _____

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level _____)

Notice of Completion of Groundwater
 Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

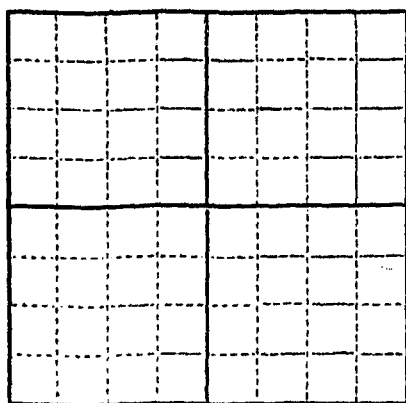
Owner John J. Smith Address Blaine, Mont.Driller John J. Smith Address " "Date of Notice of Appropriation of Groundwater 11-1-66Date well started 11-1-66 Date Completed 11-1-66

Type of well drilled Equipment Used Churn Drill
 (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)
7"	2 1/2" x 13'	0	18	none		
8"	6 1/2" x 13'	0	86	none		



_____ 1/4 Sec. _____ T. _____ R. _____
 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 3 ft. feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 30 feet at 30 gal. per minute.Discharge in gal. per min. of flowing well ✓How Tested Leak Length of Test 2 1/2 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) ✓

Driller's License Number 31Driller's Signature John J. Smith

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.

41604

259145

259145
STATE OF MONTANA
County of Blaine

Filed for record this 11 Day
of 1967 A. D. 1967
At 2:10 O'Clock P. M.
Cora F. M. County Clerk
Deputy
Fee 2

GROUNDWATER INDEX

Page 1 of 1

County BLAINE Twp. 31 NORTH Rge. 21 EAST

[illegible]

File No.

T. 31 R. 21

DUPLICATE

County Blaine

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

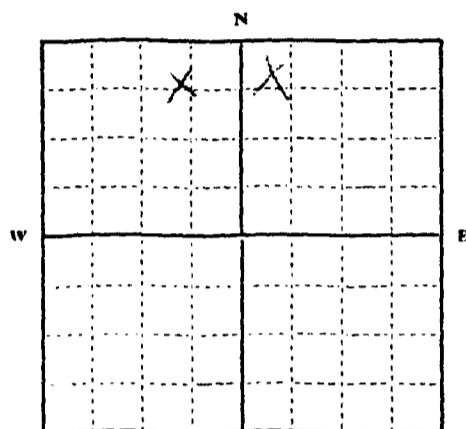
RECEIVED
SEP 25 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Elaine Jones, of 536 4th Ave. Helena
(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:



T. 31 R. 21
Sec. 3

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

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

Approx 1919
approx 1922

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

Approx 5 to 5.5 gals.

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 used at the fence

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

approx 1919 + 1922

8. The depth of water table.....

Knowledge of depth well
14' to 15' deep

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.....

approx 14' to 15' deep
no knowledge of casing in well dug 1919

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

5000 gals.

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

Not known

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

Signature of Owner.....

Date Sept 24, 1963

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

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

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

6046

450481

450481

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 24 DAY
OF September A. D. 1963
AT 8:10 O'CLOCK P. M.
Cora L. Thompson
COUNTY CLERK
Esther Sheets
DEPUTY
FEE 2.00

File No.

DUPLICATE

T. 31 R. 21

County Blaine

RECEIVED
SEP 25 1963

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1922

Owner Elmer Ness Address 536 4th Ave

Contractor (if any) Wm. Lewis Ness, Owner

Address of Contractor

Date Started 1922 Date Completed 1928

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

Long service by means of deep wells and deep wells natural drainage

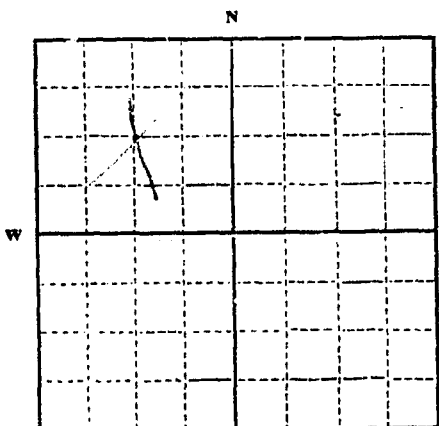
Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

Continuous Use.

Signature of Owner.....

Date Sept 24, 1963



NE 1/4 Sec. 3 T. 31 R. 21

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

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.

250482

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 24 DAY
OF September A. D. 1963
AT 3:10 O'CLOCK P. M.

Cora R. Magnuson
COUNTY CLERK
Evelyn Sheets
DEPUTY
FEE 7.00

File No.

T. 31 R. 21

DUPLICATE

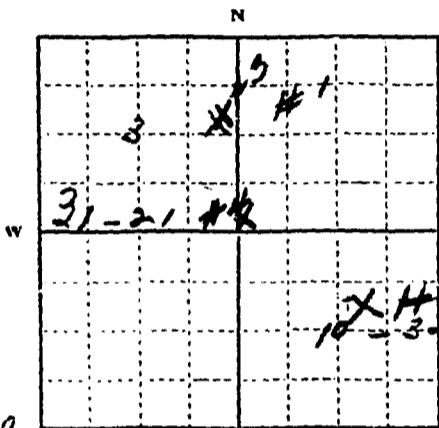
County 32-22

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harold L. Steffen, of Harlem
(Name of Appropriator) (Address) (Town)
County of Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 - 3-31-21
SW 1/4 - 10-32-22
Sec. 10 T. 32 R. 22

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 & household
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
#1 about 1938 #3+4 - 1947
#2 about 1942
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
#1 - 25 gallon per min #3+4
#2 - 20 "
5. If used for irrigation, give the acreage and description of the land 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
#3+4 - Electric pumps
#1+2 - Electric pumps
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1938 - 42 + 47
8. The depth of water table
#1+3 - 15 feet #2 - 265 feet
#4 - 40 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.
All four have six inch casing
steel
10. The estimated amount of groundwater withdrawn each year
#3+4 - Seasonal
11. The log of formations encountered in the drilling of each well if available
#1+2 - Continuous
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 Steffen
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.

21970

952133

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 31 DAY
OF December A. D. 1963
AT 4:52 O'CLOCK P. M.
Cora L. Maspero
COUNTY CLERK
Esther Shurt
DEPUTY
FEE 2.00

File No.

T. 31 N R. 21 E

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Henry Tellemant Address ChinookDriller Warkentin Drilling Address ChinookDate of Notice of Appropriation of Groundwater 10/5/62Date well started 10/5/62 Date Completed 10/13/62Type of well drilled Equipment Used Churn Drill
(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.

Top of Ground
(Elev. above sea level)

10 sand & siltstone
20 sand
25 gravel
30 sandstone
55 grey sandy shale
65 dark shale
80 grey shale
100 brown shale
105 green shale
110 soft grey sandstone
125 grey sandstone
140 brown shale
160 grey shale
175 grey shale
205 grey sandstone
230 grey shale
260 brown shale
270 grey sandstone & water
275 grey sandstone & water
280 1/4 Sec. 10, T. 31, R. 2-1
285 bottom

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

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)
7	6 5/8" 13#	+1	29 1/2	4 1/4" x 2"	230	250
6	5" 15"	+1	285	4 1/4" x 2"	265	280

Static Water Level for non-flowing Well 125 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 280 feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested back Length of Test 1 1/2 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) in usepacker put in at 50 feetDriller's License Number 31Driller's Signature Leah Warkentin

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.

2250

Doc. #246901

246901

STATE OF MONTANA
County of Blaine
FILED FOR RECORD THIS 15 DAY
OF October A. D. 1962
AT 2.15 P. M.
A. H. DOWD
COUNTY CLERK
DEPUTY
FEE 2.00

[Handwritten signatures and notes, mostly illegible]

[Handwritten signatures and notes, mostly illegible]

[Handwritten signatures and notes, mostly illegible]

[Handwritten notes and numbers, including 1/2, 1/4, 3/4, 5/8, 7/8]

[Handwritten numbers 1/2 and 1/4]

[Handwritten number 1/2]

[Handwritten notes and signatures on the right margin]

[Handwritten numbers 1/2 and 1/4]

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 Harry Tillman

Address Chenoweth, Mont

Date well started 10-22-62 completed 10-25-62

Type of well driven (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 ☐

For Administrator's Use

File 271130

March 9, 1973

GW 2:11 p.m.

*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
<u>6 5/8</u>	<u>13 #X</u> <u>6 5/8</u>	<u>0</u>	<u>152</u>	<u>none</u>

N

W

E

S

W 1/4 ME 1/4 Sec. 10

T. 31 N R. 31 E

Static water level flaring ft.*

Pumping water level flaring ft.*

at 80 gallons per minute, measured 1/2 hours after pumping began.

*Measured from ground level.

Well developed by flaring for _____ hours.

Power 1/2 HP HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) well flared from 2" pipe at 80 g.p.m.

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

Driller's Signature Justin M. Schuchman

Driller's Address B 4411 Chenoweth Mt

LICENSE NO. 31

County Blaine

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)
<u>0</u>	<u>5</u> <u>topsoil</u>
<u>5</u>	<u>10</u> <u>subsoil</u>
<u>10</u>	<u>25</u> <u>quicksand</u>
<u>25</u>	<u>50</u> <u>soft brown shale</u>
<u>50</u>	<u>55</u> <u>gravel</u>
<u>55</u>	<u>140</u> <u>soft brown shale</u>
<u>140</u>	<u>150</u> <u>quicksand</u>
<u>150</u>	<u>152</u> <u>sandstone & water</u>
<u>152</u>	<u>-</u> <u>Bottom</u>

152 Show exact depth of bottom

50.597

271130

STATE OF MONTANA
County of Blaine
Filed for record this 9 Day
of May A. D. 19 73
At 2:14 O'Clock P. M.

County Clerk
Deane A. Deane
Deputy
Ecc _____

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.

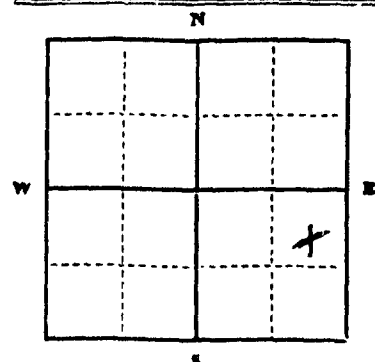
Owner Edna L. Smith
Address 1111 1st St.
Date well started 10/10/70 completed 10/15/70
Type of well Churn
Equipment used Churn drill
Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

For Administrator's Use	
File	<u>272328</u>
	<u>June 29, 1973</u>
GW 1	<u>8.50 p.m.</u>

*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	To (Feet)
<u>6 1/2"</u>	<u>1 1/2"</u>	<u>0</u>	<u>0</u>	<u>2 1/2"</u>	<u>0</u>



N.E. 1/4 S.E. 1/4 Sec. 13
T. 38 N. R. 21 E.
S W

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

Driller's Signature Edna L. Smith
Driller's Address 1111 1st St.

LICENSE NO. 31

County 13

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)
<u>0</u>	<u>15</u>
<u>15</u>	<u>25</u>
<u>25</u>	<u>35</u>
<u>35</u>	<u>45</u>
<u>45</u>	<u>55</u>
<u>55</u>	<u>65</u>
<u>65</u>	<u>75</u>
<u>75</u>	<u>85</u>
<u>85</u>	<u>95</u>
<u>95</u>	<u>105</u>
<u>105</u>	<u>115</u>
<u>115</u>	<u>125</u>
<u>125</u>	<u>135</u>
<u>135</u>	<u>145</u>
<u>145</u>	<u>155</u>
<u>155</u>	<u>165</u>
<u>165</u>	<u>175</u>
<u>175</u>	<u>185</u>
<u>185</u>	<u>195</u>
<u>195</u>	<u>205</u>
<u>205</u>	<u>215</u>
<u>215</u>	<u>225</u>
<u>225</u>	<u>235</u>
<u>235</u>	<u>245</u>
<u>245</u>	<u>255</u>
<u>255</u>	<u>265</u>
<u>265</u>	<u>275</u>
<u>275</u>	<u>285</u>
<u>285</u>	<u>295</u>
<u>295</u>	<u>305</u>
<u>305</u>	<u>315</u>
<u>315</u>	<u>325</u>
<u>325</u>	<u>335</u>
<u>335</u>	<u>345</u>
<u>345</u>	<u>355</u>
<u>355</u>	<u>365</u>
<u>365</u>	<u>375</u>
<u>375</u>	<u>385</u>
<u>385</u>	<u>395</u>
<u>395</u>	<u>405</u>
<u>405</u>	<u>415</u>
<u>415</u>	<u>425</u>
<u>425</u>	<u>435</u>
<u>435</u>	<u>445</u>
<u>445</u>	<u>455</u>
<u>455</u>	<u>465</u>
<u>465</u>	<u>475</u>
<u>475</u>	<u>485</u>
<u>485</u>	<u>495</u>
<u>495</u>	<u>505</u>
<u>505</u>	<u>515</u>
<u>515</u>	<u>525</u>
<u>525</u>	<u>535</u>
<u>535</u>	<u>545</u>
<u>545</u>	<u>555</u>
<u>555</u>	<u>565</u>
<u>565</u>	<u>575</u>
<u>575</u>	<u>585</u>
<u>585</u>	<u>595</u>
<u>595</u>	<u>605</u>
<u>605</u>	<u>615</u>
<u>615</u>	<u>625</u>
<u>625</u>	<u>635</u>
<u>635</u>	<u>645</u>
<u>645</u>	<u>655</u>
<u>655</u>	<u>665</u>
<u>665</u>	<u>675</u>
<u>675</u>	<u>685</u>
<u>685</u>	<u>695</u>
<u>695</u>	<u>705</u>
<u>705</u>	<u>715</u>
<u>715</u>	<u>725</u>
<u>725</u>	<u>735</u>
<u>735</u>	<u>745</u>
<u>745</u>	<u>755</u>
<u>755</u>	<u>765</u>
<u>765</u>	<u>775</u>
<u>775</u>	<u>785</u>
<u>785</u>	<u>795</u>
<u>795</u>	<u>805</u>
<u>805</u>	<u>815</u>
<u>815</u>	<u>825</u>
<u>825</u>	<u>835</u>
<u>835</u>	<u>845</u>
<u>845</u>	<u>855</u>
<u>855</u>	<u>865</u>
<u>865</u>	<u>875</u>
<u>875</u>	<u>885</u>
<u>885</u>	<u>895</u>
<u>895</u>	<u>905</u>
<u>905</u>	<u>915</u>
<u>915</u>	<u>925</u>
<u>925</u>	<u>935</u>
<u>935</u>	<u>945</u>
<u>945</u>	<u>955</u>
<u>955</u>	<u>965</u>
<u>965</u>	<u>975</u>
<u>975</u>	<u>985</u>
<u>985</u>	<u>995</u>
<u>995</u>	<u>1005</u>

Show exact depth of bottom

5-4839

#272328

STATE OF MONTANA }
County of Blaine
Filed for record this 29 Day
of June A. D. 19 23
At 2:50 O'Clock P M.
Reville L. Lehmke County Clerk
Deputy
Fee 2.00

Form No. 18
8-60

T. _____ R. _____
County _____

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

Water Well Log

STATE ENGINEER

Owner _____ Address _____
Driller _____ Address _____
Date Started _____ Date Completed _____
Location: Sec. _____ T. _____ R. 2 $\frac{1}{4}$ sec. _____

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

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

Casing: _____ ft. to 222 ft. Type rotary Size 12

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

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

Perforated or Screened: Ft. 35 to ft. 75 Ft. 140 to ft. 160

Type of screen or perforations 3/8 x 2" slots 140 to 210

Static water level, for non-flowing well: 23 feet feet.

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

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

How tested: _____

Length of test _____

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

(over)

Form No. 18
8-60

T. _____ R. _____

County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 14 1961

Water Well Log

STATE ENGINEER

Owner Chas. B. Smith Address Butte, Mont.

Driller W. H. Smith Address Butte, Mont.

Date Started 11/1/60 Date Completed 1/1/61

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

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

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

Casing: 0 ft. to 222 ft. Type Steel Size 6 7/8"

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

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

Perforated or screened: Ft. 35 to ft. 75 . Ft. 140 to ft. 160

Type of screen or perforations 3/8 x 2" slots 140 to 210

Static water level, for non-flowing well: 23 feet feet.

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

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

How tested: _____

Length of test 1 hour

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
		sand
		light sand
		fine
13	14	very fine sand + 1/4 fine gravel
15	16	very fine sand
17	18	dark shale
19	20	dark shale
145	150	very fine sand + 1/4 fine gravel
150	155	dark shale
155	160	very fine sand + 1/4 fine gravel
160	165	dark shale
165	170	very fine sand + 1/4 fine gravel
170	175	dark shale
175	180	very fine sand + 1/4 fine gravel
180	185	dark shale
185	190	very fine sand + 1/4 fine gravel
190	195	dark shale
195	200	very fine sand + 1/4 fine gravel
200	205	dark shale
205	210	very fine sand + 1/4 fine gravel
210	215	dark shale
215	220	very fine sand + 1/4 fine gravel
220	225	dark shale
225	230	very fine sand + 1/4 fine gravel
230	235	dark shale
235	240	very fine sand + 1/4 fine gravel
240	245	dark shale
245	250	very fine sand + 1/4 fine gravel
250	255	dark shale
255	260	very fine sand + 1/4 fine gravel
260	265	dark shale
265	270	very fine sand + 1/4 fine gravel
270	275	dark shale
275	280	very fine sand + 1/4 fine gravel
280	285	dark shale
285	290	very fine sand + 1/4 fine gravel
290	295	dark shale
295	300	very fine sand + 1/4 fine gravel
300	305	dark shale
305	310	very fine sand + 1/4 fine gravel
310	315	dark shale
315	320	very fine sand + 1/4 fine gravel
320	325	dark shale
325	330	very fine sand + 1/4 fine gravel
330	335	dark shale
335	340	very fine sand + 1/4 fine gravel
340	345	dark shale
345	350	very fine sand + 1/4 fine gravel
350	355	dark shale
355	360	very fine sand + 1/4 fine gravel
360	365	dark shale
365	370	very fine sand + 1/4 fine gravel
370	375	dark shale
375	380	very fine sand + 1/4 fine gravel
380	385	dark shale
385	390	very fine sand + 1/4 fine gravel
390	395	dark shale
395	400	very fine sand + 1/4 fine gravel
400	405	dark shale
405	410	very fine sand + 1/4 fine gravel
410	415	dark shale
415	420	very fine sand + 1/4 fine gravel
420	425	dark shale
425	430	very fine sand + 1/4 fine gravel
430	435	dark shale
435	440	very fine sand + 1/4 fine gravel
440	445	dark shale
445	450	very fine sand + 1/4 fine gravel
450	455	dark shale
455	460	very fine sand + 1/4 fine gravel
460	465	dark shale
465	470	very fine sand + 1/4 fine gravel
470	475	dark shale
475	480	very fine sand + 1/4 fine gravel
480	485	dark shale
485	490	very fine sand + 1/4 fine gravel
490	495	dark shale
495	500	very fine sand + 1/4 fine gravel
500	505	dark shale
505	510	very fine sand + 1/4 fine gravel
510	515	dark shale
515	520	very fine sand + 1/4 fine gravel
520	525	dark shale
525	530	very fine sand + 1/4 fine gravel
530	535	dark shale
535	540	very fine sand + 1/4 fine gravel
540	545	dark shale
545	550	very fine sand + 1/4 fine gravel
550	555	dark shale
555	560	very fine sand + 1/4 fine gravel
560	565	dark shale
565	570	very fine sand + 1/4 fine gravel
570	575	dark shale
575	580	very fine sand + 1/4 fine gravel
580	585	dark shale
585	590	very fine sand + 1/4 fine gravel
590	595	dark shale
595	600	very fine sand + 1/4 fine gravel
600	605	dark shale
605	610	very fine sand + 1/4 fine gravel
610	615	dark shale
615	620	very fine sand + 1/4 fine gravel
620	625	dark shale
625	630	very fine sand + 1/4 fine gravel
630	635	dark shale
635	640	very fine sand + 1/4 fine gravel
640	645	dark shale
645	650	very fine sand + 1/4 fine gravel
650	655	dark shale
655	660	very fine

Log of Well

[illegible]

Form No. 18
8-60

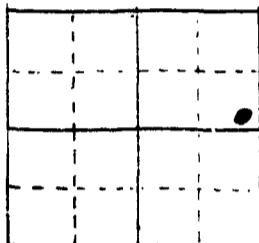
T. 31 R. 21

County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG



Owner Kennedy Hansen Address Hansen

Driller Billmeyer & Son Address Flagland

Date Started 10/15/62 Date Completed 10/18

Location: Sec. 23 T. 31 R. 21 $\frac{1}{4}$ sec SE 4 - NE 4

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

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

Casing: 76 ft. to 90 ft. Type 6" Size

Casing: 90 ft. to 185 ft. Type 5" liner Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 130 to ft. 160 . Ft. to ft.

Type of screen or perforations Cutting torch

Static Water level, for non-flowing well: 79 feet.

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

Pumping water level 160 feet at 90 gal. per min. 10

How tested: Bailer

Length of test

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
Top	90	6" casing well
90	100	Steel pipe
100	110	Gravel & Clay
110	115	Blue Sandy clay
115	195	light Grey Shale
195	154	Brown Shale (light)
159	158	Light Grey Shale
158	179	Grey Sandstone (water)
179	185	Brown Shale

Doc. #246945

STATE OF MONTANA
 County of Blaine
 FILED FOR RECORD THIS
 22
 DAY
 OF
 October
 1952
 AT
 11:15 AM
 A. H. Dorn
 COUNTY CLERK
 \$2.00
 DEPUTY

GROUNDWATER INDEX

Page 7 of 7

County BLAINE Twp. 31 NORTH Rge. 22 EAST

[illegible]

G3

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

File No.

T 31 R 21

DUPLICATE

County 3 - - -

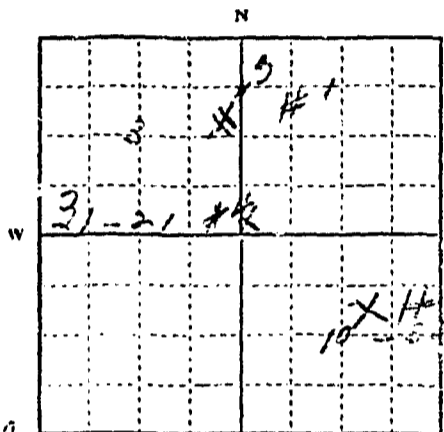
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF THE ENGINEER

JAN 6 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harold L. Stedman, of Bozeman (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. 10 - 31-21
T. 32-22
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 Stock & Household
3. Date or approximate date of earliest beneficial use; and how continuous the use has been #1 about 1938 #3+4 - 1947
4. The amount of groundwater claimed (in miner's inches or gallons per minute) #1 - 20 gallons per min #3+4 - 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 No

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal #3+4 - Custer City Pumping Station #1+2 - Custer City Pumping Station

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1938 - 42 + 47

8. The depth of water table #1+3 - 15 feet #2 - 210 feet
#4 - 40 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 All from same well with casing

10. The estimated amount of groundwater withdrawn each year #3+4 - Seasonal

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

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

Signature of Owner Harold L. StedmanDate Jan 5 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.

252 133

STATE OF MONTANA

County of Elaine

FILED FOR RECORD THIS _____ DAY

OF _____ A. D. 19__

AT _____ O'CLOCK _____ M.

COUNTY CLERK

DEPUTY

FEE _____

File No.

ORIGINAL
Dupl.

T. 31 N. R. 2 E. 18

County Blaine

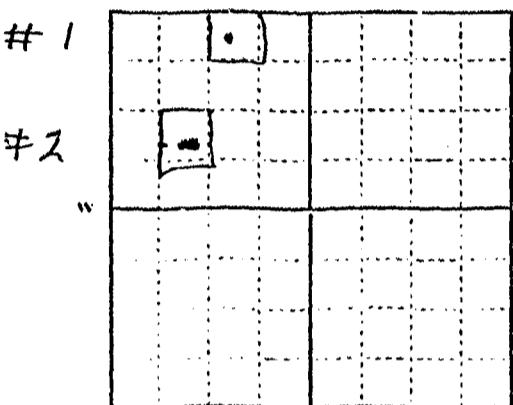
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE

JAN 5 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, GEORGE W. PHARES, of Blaine, Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T. R.
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based (1) DRINKING, STOCK WATER, IRRIGATION. (2) SAME
3. Date or approximate date of earliest beneficial use; and how continuous (1) 1945 APPROX. YEAR ROUND (2) 1923 APPROX. YEAR ROUND
4. The amount of groundwater claimed (in miner's inches or gallons per minute) (1) 500 GPM APPROX. (2) 500 GPM APPROX.
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 GARDENS, COUNTRY, WELL PLOTS. GEORGE W. PHARES
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ELECTRIC PUMP. LOCATION AS DESCRIBED.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater (1) COMPLETION 1945 (2) 1925 COMPLETED
8. The depth of water table (1) 10 FEET (2) 30 FEET
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater (1) 5 INCH BORE HOLE 10 FEET DEEP (2) BURIED 30 FEET 4 INCH BORE HOLE 100 FEET DEEP
10. The estimated amount of groundwater withdrawn each year (1) 500,000 GALS. (2) 300,000 GALS.
11. The log of formations encountered in the drilling of each well if available (1) NOT AVAILABLE (2) 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

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

21946

252109

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 31 DAY
OF December A. D. 1963
AT 5:20 O'CLOCK P. M.
Vera L. Muagrose
COUNTY CLERK

900
FILE

DEPUTY

Form No. 18
8-60

12-20-61
20
T. 31 R. 22

County Blaine

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUN 20 1961

Water Well Log

STATE ENGINEER

			X

Owner Fred Breitmeier [%] Rudolph Breitmeier
Address Harlem Montana

Driller Same Address _____

Date Started 1943 Date Completed 1943

Location: Sec. 20 T. 31 R. 22 $\frac{1}{4}$ sec. SW $\frac{1}{4}$ SW. $\frac{1}{4}$

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

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

Casing: 17 ft. to _____ ft. Type Gal. Size 2"

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 3' x 2" Sand Point Brass

Static water level, for non-flowing well: _____ 5 feet.

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

Pumping water level 13 feet at 3 gal. per min. _____

How tested: Measure Can + Timed

Length of test Several Periodic Ch's.

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

This well has been in use since 1943

(over)

GROUNDWATER INDEX

Page 4 of 4

County BLAINE Twp. 31 NORTH Rge. 23 EAST

[illegible]

STATE WATER CONSERVATION BOARD

File No. _____

T. _____ R. _____

DUPLICATE

Bureau _____

County Blaine

Top of Ground _____

(Elev. above sea level) _____

Date _____

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

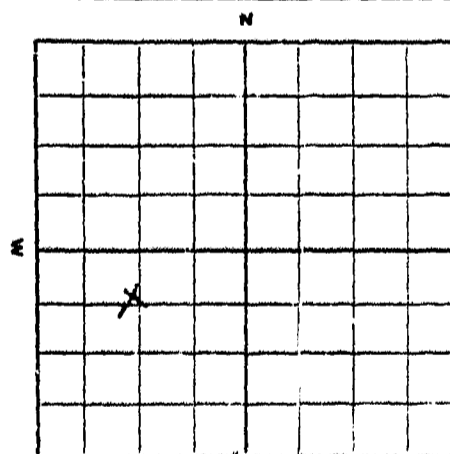
Owner P. Gray Address Harlem, MontanaDriller Impson Drilling Co. Address Harlem, Montana

Date of Notice of appropriation of ground water _____

Date well started Sept. 27, 1965 Date Completed Sept. 29, 1965Type 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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	50.0. 15 lb.	2' A.G.	101	3/16	91	100



Section 5 T. 3 R. 3
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well 26' feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 70' feetat 20 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested StallerLength of Test 1 hour

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) _____

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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.

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