

Show exact depth of bottom

938360

RECEIVED
JUN 28 1978
U.S. DEPT. OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535

STATE OF MONTANA
JUN 28 1978
12:44 P
E. KLUNDT
By *[Signature]* Deputy

5410

County Yavapai T. 05.

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 Edwin E. St. John

Address 2429 Haines Ave.

Francis A. T. 5712

Date well started 0286 10 2772

completed Dec 12 1997

Type of well ... DRIVEN

(Dug, driven, bored or drilled)

Equipment used Hand

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

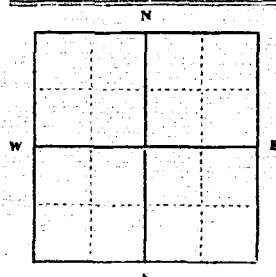
***Describe**

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). Let 2. But 14. Dec 1950. Sec 4 ^{7N}

ESTIMATED ANNUAL WITHDRAWAL 200,000 GALLONS

Size of Drilled Hole	Size and Weight of Chisel	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
	3"	0'	29'			



Static water level 10 ft.
Pumping water level 7 ft.
at ~~10~~ 20 gallons per minute,
measured 10 minutes after pumping
began.

*Measured from ground level.

Well developed by _____
for _____ hours.

Power E.C.S.T. Pump 1 132

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 . . . *[Signature]*

Driller's Address

LICENSE NO.

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)

[illegible]

24 Show exact depth of bottom

937859

STATE OF MONTANA, } ss.
County of Yellowstone, }
This instrument was filed in my office
this 27 day of JUN 1973
at 4.00 o'clock P. M.
MEREDITH E. JENSEN
County Clerk or Recorder
By Jensen Deputy
25

CECIL D. & KAREN L. GILLILAND
421 MONTCLAIR
BILLINGS MONT.

11-13-74
JP

STATE OF MONTANA
DEPARTMENT OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Completion of Groundwater Appropriation by Means of Well

Chapter 237, Montana Session Laws, 1961

Jr. Address 421 Montclair Dr.

Driller Charles H. Reed Address 1064 Hannon Road

Date of Notice of Appropriation of Groundwater 4/28/66

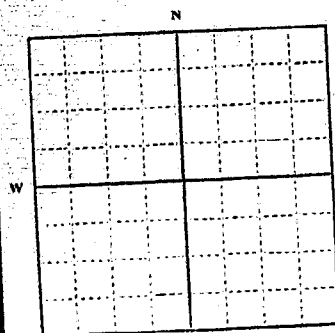
Date well started 4/29/66 Date Completed 4/29/66

Type of well Drilled Equipment Used Galien Beam
(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 and Size	From (Feet)	To (Feet)
3"	3" x 10 lb	00	28	51584 3784 25-28	25ft	28ft



SM 1/4 Sec. 1 T. 15S R. 25E

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

Lot 7 Sub 3 Unit 1 Sub 1 1/2 City
Show exact depth of bottom.

Static Water Level for non-flowing Well 12ft. feet.

Shut-in Pressure for Flowing Well none

Pumping Water Level 15ft. feet at 40 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested 2" pump Length of Test 3hrs.

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) 2.1015

Leon E. Gardner

139
Driller's License Number

Driller's Signature

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

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

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

41040

778295

STATE OF MONTANA
County of Yellowstone
This document was filed in my office
MAY 12 1966 10
1135
County Clerk as Recorder
Deputy

937930

STATE OF MONTANA
County of Yellowstone
The undersigned is duly sworn
JUN 28 1973
10:00 A.M.
MICHAEL H. BEAUNE
County Clerk of Recorder
Deputy
92

55211

938341

STATE OF MONTANA, } ss,
County of Yellowstone,
This instrument was filed in my office
on JUN 29 1973 at 12:25 o'clock P. M.
by MARSHALL E. KLUNDT
County Clerk & Recorder
By C.B.B. Deputy

Page

County YELLOWSTONE

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	RUBEN W. STRIGER	For Administrator's Use
Address	2573 BROADWATER	File
	BILLINGS, MONT	1:22 p.m.
Date well started	JUL 4 25, 71	GW 1
completed	AUG 31, 71	JUNE 4, 1973

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

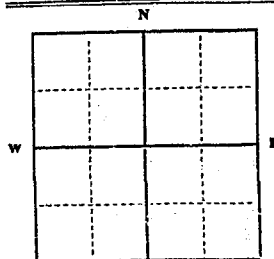
Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

***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) Lot 45 Block 4 SR1 Milling
and Addition 2nd Fl. Sub

ESTIMATED ANNUAL WITHDRAWAL 90 to 95,000 Dals

DRIVEN	Size of Section Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
					Kind Size	From (Feet)	To (Feet)
	2" PIPE	52lb 2" pipe Standard	TOP	20ft Total Well Depth.	SLOTTED PIPE	BOTTOM UP 2 5 FEET	



..... 1/4 A.F. 1/4 Sec. /

T. / P N R. 25 E E
S W

Static water level 11 ft.
Pumping water level 14 ft.
at 25-30 gallons per minute,
measured 120 minutes after pumping
began.

*Measured from ground level.

Well developed by OWNER
for 2 hours.

Power..... Pump..... HP.....

Remarks: (Gravel packing, cementing
packers, type of shutoff) 1 1

not applicable
to Division records

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

Driller's Signature DRIVE BY OWNER

Driller's Address Reuben W. Starger

LICENSE NO

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) approx. 3500

[illegible]

20 feet Show exact depth of bottom

53358

935586

STATE OF MONTANA, } ss.
County of Yellowstone, }
This instrument was filed in my office
this JUN 4 1973 at 1:22 P.M.
MEYER H. KLUNDT
County Clerk & Recorder
By [Signature] Deputy

20

File No.

TRIPPLICATE

RECEIVED

JUN 28 1973

T. S. R. 252

County Yellowstone

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

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Reed Thomas Address 2446 CusterDriller E. L. Toppits Address 2022 MillerDate of Notice of Appropriation of Groundwater 6-22-73Date well started 6-22-73 Date Completed 6-22-73Type of well driven Equipment Used mechanical
(dug, driven, bored or drilled) (Churn, drill, rotary or other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Stock ☐

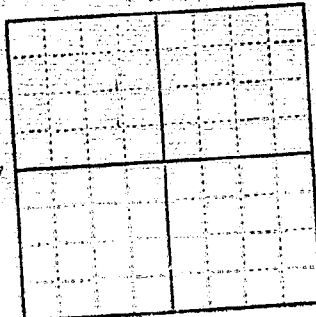
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

13' water level

gravel
937831
Jan 27, 1975
5:16 PM

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
2 1/2"	2 1/2"	0'	25'	blasted point		

25' bottom



NE 1/4, SE 1/4, T. 14. R. 2. S. 5
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 13' feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 13' feet at 50 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested pumping Length of Test 4 hr.

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

Eugene L. Toppits
Driller's License Number 1131
more signed
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.

54112

937831

STATE OF MONTANA
County of Yellowstone
This instrument was filed in my office
JUN 27 1973
2:16 P
HARRIS E. KILPATRICK
County Clerk & Recording
Deputy
Dew
20

File No. _____ Dec. No. 890347
 Filed for record this 3 day of September
 A. D. 19 71, at 2:05
 o'clock P. M.

T. 15 R. 25E
 County Yellowstone

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)

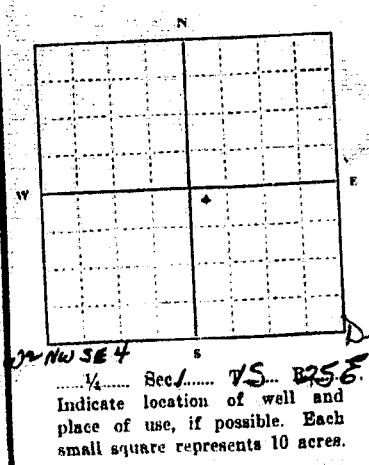
Owner Herman R. Walker Address 2708 Broadhurst Ave
 Driller Eugene P. Rippitt Address 2022 1/2 mile ave. Billings, Mont.
 Date of Notice of Appropriation of Groundwater _____
 Date well started Aug 20-71 Date Completed Aug 21, 1971
 Type of well Driven Equipment Used Mach. Driven
 (dug, driven, bored 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)
2"	2" STD	22'	22'	point blasted off		

Static Water Level for non-flowing Well 13' feet.
 Shut-in Pressure for Flowing Well _____
 Pumping Water Level 10' feet at 60 gal. per minute.
 Discharge in gal. per min. of flowing well _____
 How Tested Pumped Length of Test 6 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) 75' x 120'



Show exact depth of bottom.

None Required
 Driller's License Number
Eugene P. Rippitt
 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.

890347

STATE OF MONTANA
County of Yates
This instrument was filed in my office
this SEP 3 1931
at 2:05 P.
M.
By [Signature] Deputy

20

RECEIVED

County

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

Address

Date well started

completed

Type of well

Equipment used

Water Use: Domestic ☒

Industrial ☐

*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). Lot 20, 2nd Addition, S.W.

ESTIMATED ANNUAL WITHDRAWAL

Size of Divided Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 1/2"	5 1/2"	0	2 1/2 ft	bits cut with Truck.	2 ft	2 1/2 ft

W			
		X	X

Static water level 23.....ft.*
Pumping water level 20.....ft.*
at 20.....gallons per minute,
measured 30.....minutes after pumping
began.

*Measured from ground level.

Well developed by
for 2 hours.

Power Electric Pump 1 HP

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

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

Driller's Signature

Driller's Address

LICENSE NO.

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)
9	12
12	18
78	27

27 1/2 Show exact depth of bottom

55156

938205

STATE OF MICHIGAN
JUN 29 1973
5:46
A
mk

54284

937982

STATE OF MONTANA, ss.
County of Yellowstone, ss.
This instrument was presented to my office
this JUN 28 1975 day of _____
at 10:52 o'clock P. M.
by REBECCA E. KENNEDY
County Clerk & Recorder.
By CRB Deputy.

\$2.00

File No.

T 1 S. R 25 E

DUPLICATE

County Yellowstone

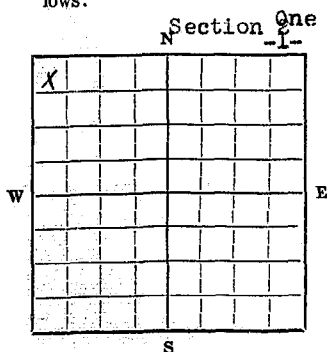
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 30 1963
STATE ENGINEER

1. Zellah Yegen-Peter Yegen, Jr 306 N. 30th St., Billings
(Name of Appropriator) (Address) (Town)
County of Yellowstone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 1. T. 1 S. R. 25 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 watering livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been many years continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) have never measured or checked supply
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 old style pump and electric motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Old well. Dates not available
8. The depth of water table not available
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 about 45 feet. Drilled well.
10. The estimated amount of groundwater withdrawn each year enough for stock. No record kept
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Zellah Yegen

Date Dec. 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 School of Mines and Quadruplicate for the Appropriator.

721322

STATE OF MONTANA
County of _____

This for _____ DEC 30 1962

Ch. _____
at 3:57

By 2 L S

200

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE 1973
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 DWAYNE ZIMMERMAN

Address 2955 CUSTER

BILLINGS, MONTANA

Date well started JUNE 1, 1973

completed JUNE 1, 1973

For Administrator's Use	
File	<u>935930</u>
Date	<u>JUNE 7, 1973</u>
GW 1	<u>1:42 p.m.</u>

Type of well DRIVEN

(Dug, driven, bored or drilled)

Equipment used HYD. DRIVER

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

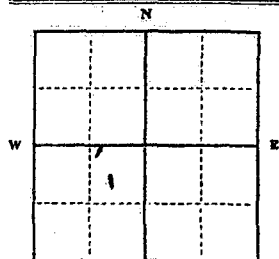
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☒

*Describe GARDEN, LAWN

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). LOT 11, BLOCK 2, MILLER PARK SUB, BILLINGS

ESTIMATED ANNUAL WITHDRAWAL 28,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
2 1/2"	3 1/2"	Surface	25'8"	Kind Size	From (Feet)	To (Feet)
				DRILLED		
				1/2"	16'	25'



NE 1/4 SW 1/4 Sec. 1
T. 1 S. N. R. 25 (E)
S. W.

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

Driller's Signature Claude Rye

Driller's Address 2301 SHELWATER
BILLINGS, MONT.

LICENSE NO.

County Yellowstone

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)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	

25'8" Show exact depth of bottom

53,401

935930

JAN 7 1973

1:42

P

By *[Signature]*

[Signature]

T. 15 R. 25E Sec 2

County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUL 31 1960

WATER WELL LOG

STATE ENGINEER

Owner Mrs. Leah B. Deeter Address P.O. Box 2031 Billings

Driller Leroy E. Johnson Address 1145 Lynn Ave Billings

Date Started 8/20/60 Date Completed 8/22/60

Lot 11, Block 2, Morrow Acres Subdivision

Location: Sec. T. R. 1/4 sec.

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

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

Casing: 0 ft. to 3 ft. Type O.D. Black casing Size 8"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. None to ft. Ft. to ft.

Type of screen or perforations None

Static Water level, for non-flowing well: 111.75 ft. from Top of Well feet.

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

Pumping water level: ten feet at twelve gal. per min.

How tested: Pump

Length of test:

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

pump

(over)

Log of Well

[illegible]

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 Theresa Patterson

Address 5415

DAN Ford Dr., Billings, Mont.

Date well started April

completed 1964

Type of well Driven

Equipment used yo yo

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

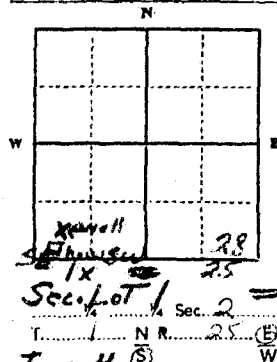
Industrial ☐ Drainage ☐ Other ☐ Montana Valley View Farms, Lot 1

*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 1,800,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4"	1/2" Thick Drill Steel	1'	30'	1/2"	24'	30'



Static water level 6 ft.
Pumping water level 25 ft.
at 15 gallons per minute,
measured 30 minutes after pumping began.

*Measured from ground level.
Well developed by Dr. J. J. J.
for 8 hours.
Power E.L.C. Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
Gravel packing

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

Driller's Signature Fat Patterson

Driller's Address 5415 Dan Ford Dr.

Billings, Mont. LICENSE NO. 30'

County Yellowstone

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	6	clay
6	10	sand
10	30	gravel

30' Show exact depth of bottom

938114

OF MONTANA, } ss.
ty of Yellowstone, }

strument was filed in my office

day of JUN 28 1939

3:12 P M.

WILLIAM H. BLUNDT

County Clerk & Recorder

Gaul Deputy

24

County...Yellowstone

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 Betty C. Bowman

Address ~~2636 Cook Ave.~~

Allen, E. Gustafson

Date well started 8/30/73

completed ~~2-1-73~~ 7-1-73

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

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

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

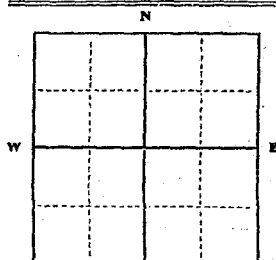
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*** 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 20,000 gallons

Size of Drilled Hole	Size and Weight of Casting	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5/8"	2 1/2" x 3/4" x 1/4"	0		"slots		



Static water level 12 ft.*
Pumping water level 15 ft.*
at 10 gallons per minute
measured 30 minutes after pumping
began.

*Measured from ground level.

Well developed by cont. ~~part~~
for hours.

Power..... Pump..... HP

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

..... 1/4 1/4 Sec.
T. 1 N R. 25 (E)
(S) (W)

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

Driller's Signature [Signature]

Driller's Address 57 Charlton Street

Billings, Montana 59101 LICENSE NO. 252

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) 3250

[illegible]

Show exact depth of bottom

55073

938676

STATE OF MONTANA,
County of Yellowstone,
This instrument was filed in my office
this JUL 28 1912
at 12:20 o'clock P. M.
MERRILL A. KLUND
County Clerk & Recorder
By Paul Deputy
20

936813

STATE OF MONTANA } ss.
County of _____ }
I, _____, County Clerk, do hereby certify
that _____
at _____ 1:00 P.M. _____
JUN 18 1973

By _____ Deputy
J 200

County.....Yellowstone

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 Harold Zoiler

Address 1412 East Lane

8111979:147

Date well started May 6, 1973

completed

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment Used

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒



Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

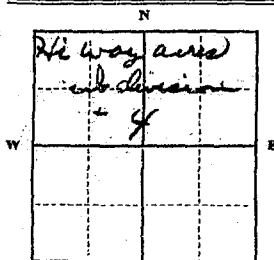
***Describe**

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). One acre.

ESTIMATED ANNUAL WITHDRAWAL 10,000,000 (501)

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
C ^{#1} / ₈	6 ⁵ / ₈		40'	2 1/2 1/4"	32'	40'
	18-16					



N.L.S.D

..... $\frac{1}{4}$ $\frac{1}{4}$ Sec.....13

T. 1 N R. 25 (E) (S) (W)

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

Driller's Signature

Driller's Address

LICENSE NO. 788

15 25E 13
County.....Yellowstone.....

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	20	Top soil
20	40	Sandy gravel
40	21	Feet
		at
		50 gal per min

Show exact depth of bottom

53,023

933480

STATE OF MONTANA }
County of Yellowstone } ss.
This instrument was filed in my office
on MAY 7 1973
at 1:18 P.M.
By [Signature] Deputy

200

File No.

RECEIVED

JUL 9 1973

T. 15. R. 25E

DUPLICATE

County YellowstoneMONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATIONSTATE 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 Mr. E. L. Radmacher Address 937 MilesDriller E. L. Toppet Address 2022 MilesDate of Notice of Appropriation of Groundwater 6-30-73Date well started 6-15-73 Date Completed 6-30-73Type of well drum Equipment Used mechanical
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Stock ☐

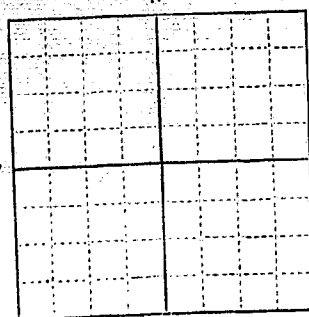
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
2 1/2	2 1/2	0'	25'	blasted point		

water level 16' 9"

gravel

bottom 25'



N 15 E
1/4 Sec. T. 15. R. 25 E
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 16' 9" feet.Shut-in Pressure for Flowing Well —Pumping Water Level 17' feet at 55 gal. per minute.Discharge in gal. per min. of flowing well —How Tested pumping Length of Test 4 hr.

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

none required
Driller's License Number

Driller's Signature

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

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

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

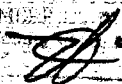
55866

939060

STATE OF MONTANA,)
County of Yellowstone,) ss.
JUL 6 1973

1:50

MISS

By  Deputy

23

File No.

T. 15 R. 25 E.

TRIPLICATE

RECEIVED

County 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)

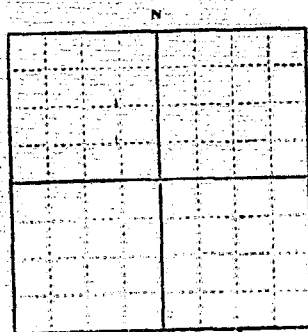
Owner Stanley Stevens Address 1812 Miles AveDriller P. L. Jorgensen Address 2022 MilesDate of Notice of Appropriation of Groundwater 5-25-73Date well started 5-25-73 Date Completed 5-25-73Type of well Driven Equipment Used mechanical
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water 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)
2 1/2"	2 1/2"	0	23' 10"	blasted point		

Static Water Level for non-flowing Well 13' feet.Shut-in Pressure for Flowing Well —Pumping Water Level 13' 7" feet at 55 gal. per minute.Discharge in gal. per min. of flowing well —How Tested jumping Length of Test 4 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)



1/4 Sec. T.15 R.25 E.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Driller's License Number

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.

55147

938329

STATE OF MONTANA, } ss.
County of Yellowstone, }
This instrument was filed in my office
this 12-13 day of Dec 1973
at 12-13 o'clock P M.
RECORDED BY M. H. HARRIS
County Clerk & Recorder
By Paul Deputy
2nd

53,968

937549

STATE OF MONTANA
County of _____
I, _____, County Clerk
do hereby certify that
2:59 1/2
by Deputy
24

GROUNDWATER INDEX

Page 1 of 2County YellowstoneTwp. 15Rge. 25EFolder # 2Sections 2 thru 16

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	Bell, Clarence C.	GW 4	769272	
2	Freeman, L. William	GW 4	769354	
2	Hager, Joe	GW 2	737373	
2	Hohmann, George E.	GW 2	880321	
2	Klundt, Merrill H. & Colleen	1957 Well Log		
2	LaRango, D. Craig	GW 2	936115	
2	Lehman, Dean	GW 2	938316	
2	Long, Lloyd	GW 2	882222	
2	McDonnell, Edward & Evelyn	GW 2	909246	
2	Peterson, Michael W.	GW 2	936815	
2	Peterson, Warren M.	GW 2	921750	
2	Ross, Robert J.	GW 4	769496	
2	Samsal, Dale R.	GW 2	937891	
2	Seventh Day Advent Church	GW 2	919203	
2	Seventh Day Advent Church	GW 2	919202	
2	Slagner, Gerald E.	GW 2	938188	
2	Terrace Gardens	GW 2	906438	
2	Terrace Gardens	GW 2	906440	
2	Wesleyan Church	GW 2	938406	
2	Vegen, Zellan	GW 4	721321	
2	VonKaitis, John	GW 2	876359	
3	Barber, Henry Jr.	GW 2	711877	
3	Cardwell Corporation	GW 4		
3	Zackman, David A.	GW 4	720871	
3	Vegen, Zellan	GW 4	721319	
3	Vegen, Zellan	GW 4	721320	
5	Amen, Daniel & George	GW 4	721276	
5	Amen, Henry Jr.	GW 4	721631	
5	Bailey, Sharon C.	GW 4	721829	
5	Schillinger, Clyde	GW 2	937642	
6	Bastian, Milton	GW 2	938405	
6	Jones, Theodore W.	GW 2	938152	
6	Piereson, Dwight	GW 2	938355	
7	Rye, Claude	GW 2	937910	
7	Tucker, F.W. Jr.	GW 2	937481	
8	Amen, Daniel & George	GW 4	721277	
8	Bailey, Sharon C.	GW 4	721830	
8	Giesick, Elmer	GW 4	720720	
8	Miller, George E.	GW 4	721050	
8	Miller, George E.	GW 4	721051	
8	Moslet, S.L. & Doris A.	GW 2	938468	
8	Steinmetz, Art	GW 4	721135	
9	Hardt, Pete	GW 4	721765	
9	Lackman, Henry Jr.	GW 4	791159	
9	Larson, Royal C.	1957 Well Log		
9	Larson, Royal C.	1957 Well Log		

25

[illegible]

File No. _____

DUPLICATE WATER CONSERVATION BOARD

T 15 R 25E

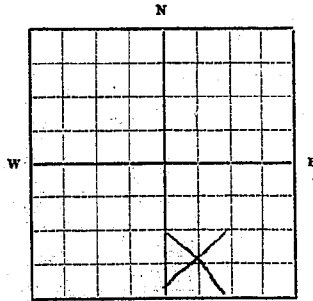
County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 21, Montana Session Laws, 1965)

1. S. William Freeman, of 3515 Central Billings
(Name of Appropriator) (Address) (Town)
County of Yellowstone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 2 T. 15 R. 25E

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 use
3. Date or approximate date of earliest beneficial use and how continuous the use has been 1955 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30
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 well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1955
8. The depth of water table 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 unknown
10. The estimated amount of groundwater withdrawn each year 220,000 gal.
11. The log of formations encountered in the drilling of each well if available Unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record _____

Signature of Owner S. William Freeman

Date 1/31/1965

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.

40483

769354

STATE OF MONTANA ss.
County of Yellowstone

This instrument was presented to me in my office
this DEC 31 1965 at 3:40 P. M.

Notary Public for Montana
By [Signature] Deputy

File No. _____

DUPLICATE

STATE WATER CONSERVATION BOARD

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

B. H. _____
C. _____
D. _____
District _____

Declaration of Vested Groundwater Rights

(Under Chapter 21, Montana Session Laws, 1965)

T. 15 R. 25 E

County

Yellowstone

1. Clarence C Bell

(Name of Appropriator)

of Box 150125

(Address)

(Town)

County of

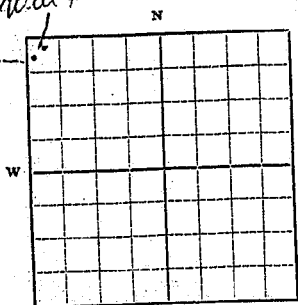
Yellowstone

State of

Montana

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

well #1
#2



1/4 Sec. 2 T. 15 R. 25 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 livestock house and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1. 1900 used every day of year.
2. 1900

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gal per 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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1900, 1960

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 2 1/2 inch case well depth 32 ft. 2" sandpoint 30 ft

10. The estimated amount of groundwater withdrawn each year 109,500 36,500

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

unknown

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

none

Signature of Owner

Clarence C Bell

Date

Dec 31 1965

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.

40520

File No.

DUPLICATE

STATE WATER CONSERVATION BOARD

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

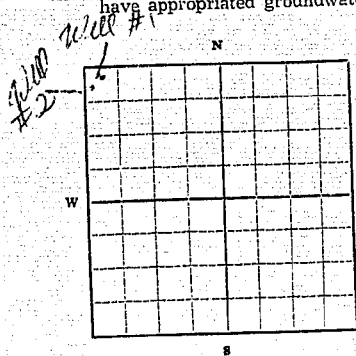
T. 15 R. 25 E.

County Yellowstone

Declaration of Vested Groundwater Rights

(Under Chapter 21, Montana Session Laws, 1965)

1. Clarence C. Bell of PT 1 N 12 E Yellowstone (Town)
(Name of Appropriator) (Address)
County of Yellowstone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$ Sec. 2 T. 15 R. 25 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 livestock house and garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been used every day since 1960
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal with pump

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

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 2" sand point 30 ft

10. The estimated amount of groundwater withdrawn each year 11,000 to 16,500

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

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

Signature of Owner Clarence C. Bell

Date Dec. 31 1965

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.

Handwritten: 176520

769272

STATE OF MONTANA,
County of Yellowstone.
This instrument was filed in my office
this DEC 31 1965 1965
at 11:03 o'clock A.M.
Eileen S. Rollins,
County Clerk & Recorder
By Lee Deputy

GW 2

File No.

DUPLICATE

RECEIVED
SEP 3 1964

State Publishing Co., Helena, Montana—1931

County

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

AUG 25 1964

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Joe Hager Address Bellings, MontDriller Ulysses M. Kecham Address Laurel, Mont

Date of Notice of Appropriation of Groundwater

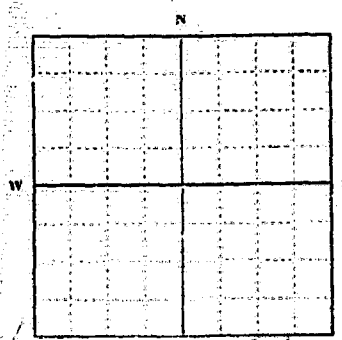
Date well started 7/19/64 Date Completed 7/19/64Type of well drilled Equipment Used Cable Tool
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

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)
6"	14 lb 6"	-4'	28'	Cut 4x5-6"	24'	27 1/2'

LOCATION Sec

T



John J. S. Block 1, Section 2, T.15 R.25E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

28'
Show exact depth of bottom.

Static Water Level for non-flowing Well 10 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 18' feet at 33' gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Relief Length of Test 30 minutes

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)

36
Driller's License Number

Ulysses E. M. Kecham
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.

38462

737373

STATE OF MISSISSIPPI
COUNTY OF HARRISON

This instrument is a
conveyance of land in
the 21st day of Aug 64
to 3-31-64

Witness my hand and
Seal of Office this
21st day of Aug 64
at the County Seat of Harrison
County, Mississippi

File No.

DUPLICATE

T. 18 R. 25ECounty Yellowstone

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

APR 19 1971

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner GEORGE E. HOHMANN Address 3415 WINGHELL LANEDriller L. D. DRILLING Address BILLINGS MONT

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

Date well started 9/25/70 Date Completed 9/25/70Type of well DRIVEN Equipment Used HANMER
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Other ☒ Irrigation ☒
Industrial ☐ Drainage ☐ Stock ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
3 1/2	3 1/2 80	0	23	ent 1/8	18	22

Static Water Level for non-flowing Well 11 feet.

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

Pumping Water Level 8 feet at 35 gal. per minute.

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

How Tested PUMP Length of Test 6 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)

SE 1/4 Sec. 2 T 18 R 25 E

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

Show exact depth of bottom.

Mo 188
 Driller's License Number

Driller's Signature

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

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

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

46361

880321

STATE OF MONTANA

APR 16 1971

12:30

By James 20

HAROLD L. + BEulah A. ERICKSON
C/O ARVID W.G. + RUBY M. ERICKSON
3215 CENTRAL AVE.
BILLINGS MT.

1 South R. 25 East

nty Yellowstone

ND GEOLOGY

11-12-74
AP

ndt Address 3215 Central Ave.

Driller Unknown

Address Unknown

Date Started November 1955

Date Completed November 1955

Location: Sec. 2 T. 1 S. R. 25 E. 1/4 Sec. SE1 SE1 SE1 SE1

Legal Description: Lot 4 & West 20 Ft. of Lot 5, Central Acres 1st Filing

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

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

Casing: 0 ft. to 30 ft. Type Solid Size 2 Inch

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: 15 feet.

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

Pumping water level 30 feet at 10 gal. per min. _____

How tested: By Pump

Length of test 12 Hours

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

(over)

RECEIVED

County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

JUN 13 1973

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 P. CRAIG LARAMEE

Address 3825 HERITAGE DR.

BILLINGS, MONT.

Date well started 5-24-73

completed 5-25-73

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

Equipment used rotary
(Churn drill, rotary or other)

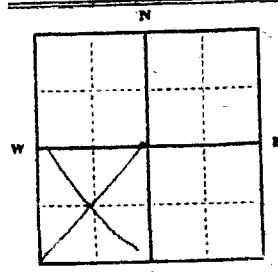
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*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). LOT 6 BLOCK 3 HERITAGE ACRES

ESTIMATED ANNUAL WITHDRAWAL 1,500,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	Kind Size	From (Feet)	To (Feet)
<u>7 7/8"</u>	<u>6 5/8" steel 19#</u>	<u>0'</u>	<u>36'</u>	<u>8 cut</u>	<u>29'</u>	<u>34'</u>



34' 1/2" Sec. 2
T. 15 N. R. 25 E.

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

Driller's Signature L. Laramee

Driller's Address 14023 Roundup Rd Bldg 5
L&D Drilling LICENSE NO. 188

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>2'</u>
<u>2</u>	<u>16'</u>
<u>16</u>	<u>36'</u>
<u>Top Soil</u>	
<u>Sandy Clay</u>	
<u>gravel and sand</u>	
<u>water at 16'</u>	

36'
36' Show exact depth of bottom

53492

936115

STATE OF MONTANA
County of Yellowstone
This is to certify that on the
day of Aug 8 1973
at 4:30 7 PM
By Jaw Deputy
2u

Show exact depth of bottom

938316

STATE OF MONTANA, } ss.
County of Yellowstone, }
This instrument was filed in my office
this _____ day of _____ 19____
at _____ o'clock _____ M.
MERRILL M. KLUNDY
County Clerk & Recorder
By Paul Deputy
20

LOT 4 BLOCK 2 HERITAGE ACRES

JOE & NANCY PIRANI
3764 HERITAGE DR.
BILLINGS MT

AP 11-18-71

County YELLOWSTONE

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.

Owner LLOYD LONG
Address 1306 BROADWAY AVE
BILLINGS MONT
Date well started 2-11-71
completed 2-12-71

For Administrator's Use
File 882222
May 14, 1971
1:00 PM
GW 1

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

Equipment used ROTARY
(Churn drill, rotary or other)

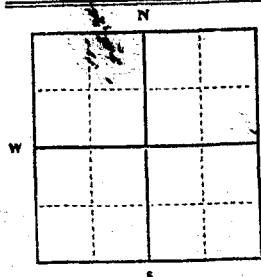
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*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 3/8	6" 17#	0	42	8 slots	35	42



Static water level 10 ft.*
Pumping water level 1 ft.*
at 2.3 gallons per minute,
measured 1.30 minutes after pumping
began.

*Measured from ground level.

Well developed by Pumpers
for 1 hours.

Power 6.25 Pump 7 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) PACKING
5' 17' FT CEMENT
TO TOP

1/4 Sec. 2

Lot 1, Block 2, Sub W

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

Driller's Signature J. J. B...

Driller's Address 4205 DOW LANE

BILLINGS MONT LICENSE NO. 197

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
0	21
21	42
SAND TOP SOIL	
GRAVEL	
WATER @ 27 FT	
WATER LEVEL 10 FT	

42 Show exact depth of bottom

48475

882222

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 in 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 LLOYD HOU3
Address 1306 BROADWAY
MT BILLY'S MOB
Date well started 2-11-71
completed 2-13-71
Type of well DRILLING
Equipment used POTABLE
For Administrator's Use
File 882222
Date MAY 14, 1971
GW1

Top of Ground	From (feet)	To (feet)
	0	1
	1	2
	2	3
	3	4
	4	5
	5	6
	6	7
	7	8
	8	9
	9	10
	10	11
	11	12
	12	13
	13	14
	14	15
	15	16
	16	17
	17	18
	18	19
	19	20
	20	21
	21	22
	22	23
	23	24
	24	25
	25	26
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	82	83
	83	84
	84	85
	85	86
	86	87
	87	88
	88	89
	89	90
	90	91
	91	92
	92	93
	93	94
	94	95
	95	96
	96	97
	97	98
	98	99
	99	100

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.

DRILLER'S LOG

STATE OF MONTANA, } ss.
County of Yellowstone, }
This instrument was filed in my office
his: MAY 14 1971 19__
at 1.00 o'clock P M.
MERRILL R. ELUNDT
County Clerk & Recorder
by Jaw Deputy
24

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 <u>LLOYD LONG</u>	For Administrator's Use
Address <u>1306 BROADWAY</u>	File # <u>882722</u>
<u>Arv Billings moved</u>	<u>May 14, 1971</u>
	<u>1:00 PM</u>
Date well started <u>2-11-71</u>	GW 1
completed <u>2-12-71</u>	

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

Equipment used ROTARY
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

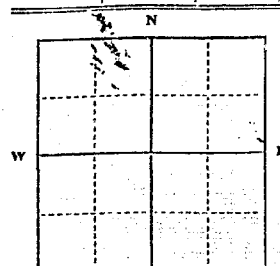
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 7/8	6" 17 1/2	0	42	5 5/8	35	42



Lot 4 - Block 2
Hunting acres
1/4 S W 1/4 Sec. 2
T. 1. R. 25. E.
~~Lot 1 - Block 1 - 500 acres~~

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

Driller's Signature J. J. [Signature]Driller's Address 4205 14th Ave

BILLINGS MONT. LICENSE NO. 167

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) _____

[illegible]

Static water level 10 ft.
Pumping water level 11 ft.
at 2.5 gallons per minute,
measured 1.20 minutes after pumping
began.

*Measured from ground level.
Well developed by 12/27/68
for 1 hours.

Power 6.13 Pump 7 HP

Remarks: (Gravel packing, cementing,

packers, type of shutoff)
P... FT Cement

707072.

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG). The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG).

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The number of transformed cells was determined by the number of colonies obtained on the selective medium. The results are the mean of three independent experiments. Error bars represent the standard deviation.

ND PLACE OF USE, IF POSSIBLE.

40 ACRES.

the 1990s, the number of people in the United States who are 65 years of age or older is projected to increase from 20 million to 35 million, and the number of people 75 years of age or older is projected to increase from 10 million to 17 million (U.S. Census Bureau, 1997). The number of people 85 years of age or older is projected to increase from 2 million to 4 million (U.S. Census Bureau, 1997). The number of people 90 years of age or older is projected to increase from 500,000 to 1 million (U.S. Census Bureau, 1997). The number of people 95 years of age or older is projected to increase from 100,000 to 200,000 (U.S. Census Bureau, 1997). The number of people 100 years of age or older is projected to increase from 10,000 to 20,000 (U.S. Census Bureau, 1997).

[illegible]

10-11-68

1212

LICENSE NO. 127

1. The first group of variables, *demographics*, includes age, sex, and marital status. The second group, *education*, includes years of schooling, high school graduation, and college graduation. The third group, *employment*, includes employment status, occupation, and industry. The fourth group, *income*, includes household income and personal income. The fifth group, *health*, includes self-rated health, physical health, and mental health. The sixth group, *social capital*, includes social network, social support, and civic participation. The seventh group, *quality of life*, includes life satisfaction, happiness, and well-being. The eighth group, *resilience*, includes coping strategies, stress management, and psychological resilience. The ninth group, *community engagement*, includes volunteerism, community participation, and social responsibility. The tenth group, *environmental quality*, includes air quality, water quality, and noise levels. The eleventh group, *economic stability*, includes employment stability, income stability, and housing stability. The twelfth group, *social equity*, includes racial/ethnic equality, gender equality, and social justice. The thirteenth group, *public safety*, includes crime rates, police presence, and emergency services. The fourteenth group, *infrastructure*, includes transportation, utilities, and public facilities. The fifteenth group, *cultural diversity*, includes ethnic diversity, religious diversity, and cultural heritage. The sixteenth group, *political participation*, includes voting, public opinion, and political engagement. The seventeenth group, *healthcare access*, includes access to healthcare, insurance coverage, and medical services. The eighteenth group, *environmental justice*, includes environmental equity, environmental justice, and environmental protection. The nineteenth group, *economic development*, includes economic growth, job creation, and entrepreneurship. The twentieth group, *social mobility*, includes social mobility, social mobility, and social mobility.

4/2 Show exact depth of bottom

18425