

721318

STATE OF MONTANA
COUNTY OF ...

DEC 11 1953

8:53

P

258

20

RECEIVED
DEC 28 1959

T. 1 N. R. 26
County Yellowstone

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Mary E. Kemel Address Rt #3 Billings
Driller Leroy E. Johnson Address 1145 Seymour Ave Billings
Date Started Nov 19 59 Date Completed Nov 20 59
Location: Sec. 12 T. 1 N. R. 26 1/4 sec W 1/2 NE 1/4

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

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

Casing: 22 ft. to 32 ft. Type Black Size 6" O.D.
Casing: 36 ft. to 60 ft. Type Sheet Metal Size 5" O.D.
Casing: ft. to ft. Type Size

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

Type of screen or perforations factory
Static Water level, for non-flowing well: 10 ft. feet.

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

Pumping water level: 40 feet at 10 gal. per min.

How tested: Bailor

Length of test: 4 hrs

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

(over)

Log of Well

[illegible]

GW

File No.

DUPLICATE

T. 1 N. R. 36 E. 13

County Yellow Stone

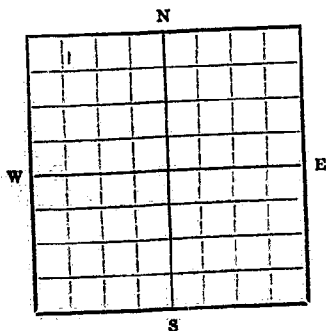
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

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

STATE ENGINEER

1. John H. Carpenter, of Rt. 3 Billings
(Name of Appropriator) (Address) (Town)
County of Yellow Stone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W. 1/4 NW 1/4 Sec. 13, T. 1 N. R. 36 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
Domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept. 1954
Steady
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 G.P.M.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Lawn & Garden
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pressure Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sept. 4, 1954 Sept. 11, 1954
8. The depth of water table 2.5'
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" casing 2.5' deep
10. The estimated amount of groundwater withdrawn each year 34,500 Gal.
11. The log of formations encountered in the drilling of each well if available 5' to 7.5' sand & 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

Signature of Owner

Date

John H. Carpenter12-28-63

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

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

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

16143

721134

STATE OF MONTANA,
County of Yellowstone.

This instrument of 1963 filed in my office

this DEC 30 day of 1963

at 9:28 A.M.

Before me, Notary Public

By *[Signature]*

Notary Public

RECEIVED

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.

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 Mr. & Mrs. James P. Nye For Administrator's Use

Address 1627 Wicks Ln. File 936160

Date well started 6/22/72 completed 6/24/72 GW 1 9:50 A.M.

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

Equipment used Winch (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) 112.2 Acre Rutterworth Sub.

ESTIMATED ANNUAL WITHDRAWAL 200,000 Gal.

Size of Drilled Hole 4" Dia Size and Weight of Casing 125 lb From (Feet) 1 ft To (Feet) 20 ft

PERFORATIONS Kind Size Slots 1/8" From (Feet) 13 1/2 To (Feet) 19 1/2

Remarks: (Gravel packing, cementing, packers, type of shutoff) None

Static water level 12 ft. Pumping water level 20 ft. at 180 gallons per minute, measured 60 minutes after pumping began.

*Measured from ground level. Well developed by 12 hours Drill, 09

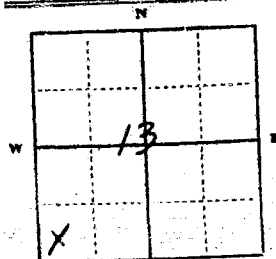
Power 110 V Pump HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) None

Driller's Signature James P. Nye

Driller's Address 1627 Wicks Ln.

City City LICENSE NO.



SW 1/4 Sec. 13
T. 1 N. R. 26 E.

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

Driller's Signature James P. Nye

Driller's Address 1627 Wicks Ln.

City City LICENSE NO.

Top of Ground (Elev. above sea level)

From (Feet) To (Feet)

9 6 Top soil

6 25 Gravel borders of

SAND

Water 20 ft.

Water level 12 ft.

936160

STATE OF MONTANA }
COUNTY OF }
T. S. }
JUN 21 1973
at 9:50 A.M.
By Thurman Deputy
Jal

Form No. 18
8-60

T. 1N R. 26E
County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

Water Well Log

Owner Robert Foster Address 902 Parkhill
Driller Leroy E. Johnson Address 1145 Lynn
Date Started Oct 9, 1961 Date Completed Oct 11, 1961
Location: Sec. 13 T. 1N R. 26E $\frac{1}{4}$ sec. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$

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

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

Casing: 27 ft. to 27 ft. Type Steel Size 6" O D

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

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

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

Type of screen or perforations _____

Static water level, for non-flowing well: 12 ft from surface feet.

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

Pumping water level 23 feet at 10 gal. per min.

How tested: pump

Length of test 6 hrs

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

(over)

Log of Well

[illegible]

RECEIVED
JUN 2 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 1 N R. 26 E
County Yellowstone

WATER WELL LOG

Owner Edwin Norman Address 1832 Main Road
Driller Clyde Lando Address 11 1/2 Mile Ave.
Date Started March 28, 1959 Date Completed April 2, 1959
Location: Sec 13 T 1 N R 26 E 1/4 sec. NW 1/4

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

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

Casing: 0 ft. to 32 ft. Type black surface Size 6 inch
Casing: 0 ft. to 48 ft. Type galv. Size 5 inch
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)

Log of Well

[illegible]

RECEIVED

APR 6 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 1 N R. 26 E
County Yellowstone

WATER WELL LOG

Owner Edwin Kerrison Address 1832 May Ave.
Driller Clyde Sando Address 1141 Miles Ave.
Date Started Mar. 28 1959 Date Completed April 2, 1959
Location: Sec. 13 T. 1 N R. 26 E $\frac{1}{4}$ sec. NW 1/4 16.30 acres

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

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

Casing: 0 ft. to 32 ft. Type heavy black Size 6 inch
Casing: 0 ft. to 48 ft. Type galv. Size 5 inch
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 50 gal. per min.

How tested: _____

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	
0	2	sail.
2	16	gravel
16	24	dry sand,
24	70	sandy shale

File No.

DUPLICATE

T-1 N. R-26 E

County Yellowstone

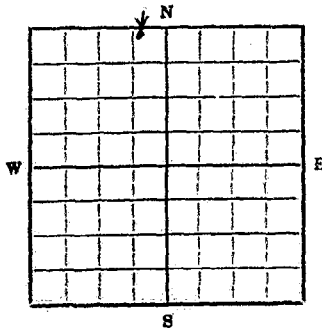
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 9 1963

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

STATE ENGINEER

1. Edwin G. or Bobbie J. Harman, of 1832 Mary Rd. Rt. #3 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. 13 T-1N R-26E

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
Dwelling Water Supply

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
May 2, 1959. Daily

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Deep well, jet pump and 40 gallons pressure tank.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Date started May 28, 1969--completed April 2, 1950

8. The depth of water table
50 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
Type--drilled Size--8 inch Depth--80 feet.

10. The estimated amount of groundwater withdrawn each year
100,000 to 125,000 gallons

11. The log of formations encountered in the drilling of each well if available
0 feet to 2 feet soil. 2 feet to 10 feet gravel. 10 feet to 24 feet dry sand. 24 feet to 40 feet sandy shale.

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
Water Well Log, filed at the Montana Bureau of Mines and Geology.
Little Montana

Signature of Owner

Edwin G. Harman or Bobbie J. Harman

Date Aug 8, 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.

5426

712154

STATE OF MONTANA,
County of Yellowstone.
This instrument was filed in my office
this 8 day of Aug 1963
at 10:20 o'clock A M.
Edmon S. H. [unclear]
County Clerk & Recorder
By [Signature] Deputy

\$2.00

938407

STATE OF MONTANA,)
County of Yellowstone,) ss.
This instrument was filed in my office
this _____ day of _____ 1979
at _____ o'clock _____ P. M.
MERRILL B. ALBRIGHT
County Clerk & Ex. Sec.
By J. Sullivan Deputy
J. co

RECEIVED

STATE ENGINEER

T. 1 N R. 26 E

County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

2AE 1/4 NE 1/4

<u>E 1/2</u>	<u>W 1/2</u>	<u>NE 1/4</u>	<u>W 1/4</u>

Owner Emuel S. Johnson Address Chester Avenue, Butte, Mont.
Driller Clyde Lando Address 114 Mile One, Butte, Mont.
Date Started March 7, 1959 Date Completed March 9, 1959
Location: Sec. 13 T. 1 N R. 26 E 1/4 sec.

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

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

Casing: 0 ft. to 27 ft. Type black-iron pipe Size 12 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: _____ feet.

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

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

How tested: _____

Length of test: _____

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

(over)

Log of Well

[illegible]

RECEIVED

T. 1 N R. 26 E
County yellowstone

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

1/4 E 1/4, NE 1/4

1/4 W 1/2	NE 1/4	1/4 W 1/2

Owner: Marcell S. Johnson Address: Clemens acre tract
Driller: Clyde Lando Address: 114 1/2 Mile One
Date Started: March 7, 1959 Date Completed: March 9, 1959

Location: Sec. 13 T. 1 N R. 26 E 1/4 sec.

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

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

Casing: 0 ft. to 27 ft. Type: black-iron pipe Size: 12 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: _____ feet.

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

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

How tested: _____

Length of test: _____

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

(over)

Log of Well

[illegible]

File No.

T. 1 N R 26 E

DUPLICATE

County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

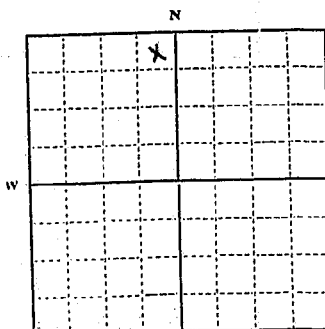
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Newell S. Johnson, of Rt. 3 Billings
(Name of Appropriator) (Address) (Town)
County of Yell State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



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

2. The beneficial use on which the claim is based. House
Hold use & lawn
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Now for past 11 years
well drilled 1952
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 20 gals 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. used for House & lawn
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1952

8. The depth of water table. 76 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Drilled well - 5 inch

10. The estimated amount of groundwater withdrawn each year. 14600 gals.

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

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

Signature of Owner. Newell S. JohnsonDate 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.

16156

721147

STATE OF MONTANA
County of Yellowstone
This instrument was
this 9.12 DEC 30 1953
at Bozeman
Edmond S. Redfern
County Clerk & Recorder

[Signature]
200

938573

STATE OF MONTANA }

County of Park }

This instrument was filed for record on

JUN 28 1973

452

C.D.P.

9-100

54267

937908

STATE OF TEXAS

County of Tarrant

This case is filed on JUN 28 1973

Filed

at 8:42

by

County Clerk

Law

22

Deputy

RECEIVED

File No. _____

JUN 20 1972

T 1 N R 26 E

DUPLICATE

County Yellowstone

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

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)

Top of Ground

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

TOP SOIL

SANDY CLAY

Owner: Dave Ramsey Address: 1735 B. HARRIST

Driller: J. D. DRILLERS Address: 1035 W. MINERALS LANE

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

SAND ROCK GRAVEL

Date well started 4/20/72 Date Completed 4/21/72

WATER AT

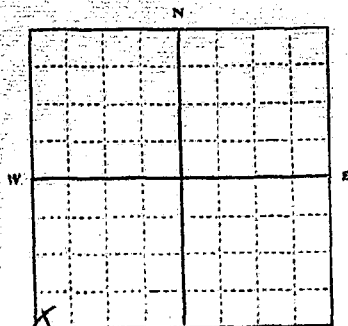
Type of well DRILLED Equipment Used CABLE
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

22'

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"	6 5/8" 18-97"	5 1/2	27	CUT 48	20	26



Section 1/4 Sec 13 T. 1 N R. 26 E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 5 feet.

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

Pumping Water Level 2 feet at 20 gal. per minute.

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

How Tested BAILER Length of Test 4 HRS.

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

Show exact depth of bottom.

Doc. No. 909797

Filed for record

this 19th day of June

A. D. 1972, at 2:43

o'clock P.M.

MONT 188

Driller's License Number

Driller's Signature Roy R. Senger

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.

59638

909797

STATE OF MONTANA
County of Yellowstone
Return of Poll Tax
Date of Payment May 1972
No. 7-43 JUN 10 1972
By J. C. [Signature] Deputy
24.

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 ☐ Municipal ☐ Stock ☐ Irrigation ☐

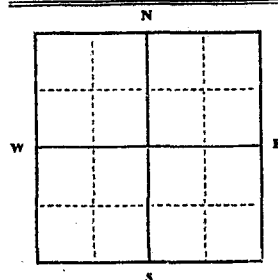
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*** 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 2 Block B, Rte.

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casting	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
2"		0	2 ft			



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

*Measured from ground level.

Well developed by ...
forhours.

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

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

Sec. 1/3

T. / NR ... E ...

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, silt, 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)

21/11 Show exact depth of bottom

55124

938572

4
1
8

95

Handwritten notes and signatures on the right margin, including a vertical signature and some illegible text.

STATE OF MONTANA, } ss.
County of Yellowstone,
This instrument was filed in my office
this JUN 29, 1973 1973
at 4:51 o'clock PM
MERRILL H. KILPATRICK
County Clerk & Recorder
By CAB Dep

Handwritten initials and numbers at the bottom of the page, including "JUN 29" and "5 2 2".

File No.

DUPLICATE

T. 1 N. R. 26 E
County YellowstoneSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEERRECEIVED
JUN 6 1963Notice of Completion of Groundwater
Appropriation by Means of Well
STATE ENGINEER
(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

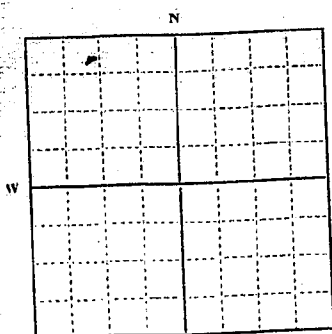
From 5 ft to 24 ft sand
9 Gravel24 ft to 47 ft Blue
Shale47 ft to 51 ft Gray
Sand RockOwner Norman Paul Walker Address Kant 3, BillingsDrilled Charles Johnson Address 1145 Lynwood
Billings Montana

Date of Notice of Appropriation of Groundwater

Date well started July 30, 1963 Date Completed August 1, 1963Type of well Drilled
(dug, driven, bored or
drilled)Equipment Used Cable Tool
(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)
6"	6" 10 1/2 lbs	Surface	17	none		



NW 1/4 NW 8 Sec. 13 T. 1 N. R. 26 E

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

Show exact depth of bottom.

51 ft

Static Water Level for non-flowing Well 3 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 25 feet at 12 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested 3 hrs Length of Test 3 hrs

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

#4
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.

5279

711879

STATE OF MONTANA,
County of Yellowstone, ss. >

This instrument was filed in my office
this _____ day of AUG 5 1963

at 1:00 o'clock P. M.

Edmon S. Redding,
County Clerk & Recorder

By Jawitz Deputy
20

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—39318

File No.

DUPLICATE

T. 14 N. R. 26 E.

County YellowstoneSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER DEC 16 1963Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

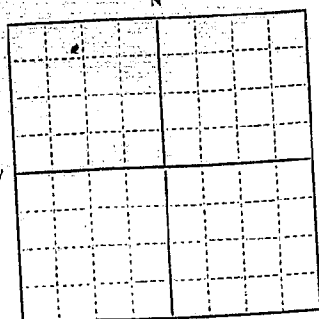
Owner Norman Paul Wallace Address Route 3Driller Same Address Route 3

Date of Notice of Appropriation of Groundwater

Date well started Dec - 1962 Date CompletedType of well Equipment Used Driller
(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		
				Kid Size	From (Feet)	To (Feet)
2 1/2"	14 1/2 lb	Surf	25'			



N.W. 1/4, Sec. 17, T. 14 N. R. 26 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 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 8' feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested 55-4 gal. Driven Length of TestRemarks: (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) Garden

Drone well my Self
Driller's License Number

Norman Paul Wallace
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.

9542

3

7

ER

on ☒

erent
l, etc.
water-

To
feet)

feet.

minute.

ff, loca-
and any
mber of

recorder

ureau of

9542

720115

STATE OF MONTANA,
County of Yellowstone,

This instrument was filed in my office
this 13 day of Dec 1963
at 1008 o'clock P.M.

Edmon S. Hedding,
County Clerk & Recorder

By [Signature] Deputy

200

RECEIVED

APR 17 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 1 N R. 26 E

County Yellowstone

WATER WELL LOG

Owner Adolph Walter Address 346 Custer Ave
 Driller LeRoy E. Johnson Address 941 - Court Ave
 Date Started March 19 - 59 Date Completed March 21 - 59
 Location: Sec. 13 T. 1 N R. 26 E 1/4 sec.

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

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

Casing: 21 ft. to 20 ft. Type Black Steel Size 6" O.D.

Casing: 76 ft. to 90 ft. Type Sheet Metal Size 5" Galv

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

Perforated or Screened: Ft. 24 to ft. 52 Ft. 90 to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: 20 ft from grade feet.

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

Pumping water level: 20 feet at 4 gal. per min.

How tested: Ballen

Length of test: 4 hrs

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	
0ft	1ft	Top Soil
1..	4..	Brown Sandy Shale
4..	16..	Gravel
16..	45..	Grey Shale
45..	47..	Sandy Shale
47..	70..	Blue Shale
70..	76..	Sand Rock
76..	90..	Blue Shale

File No. _____

DUPLICATE

T. _____ R. _____

County YELLOWSTONE

DEPARTMENT OF NATURAL RESOURCES AND MINES

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERTop of Ground
(Elev. above sea level.....)GRAVEL + BOULDERS- 25SHALE @ 25 FT.WATER @ 20 FT.WATER LEVEL14 FT.Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

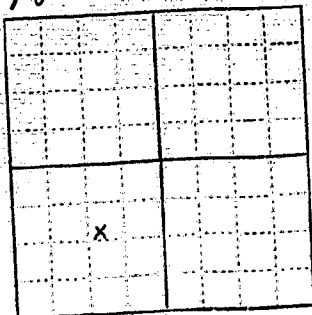
Owner CHARLES M. WEINSCHEID Address BILLINGS MONT
1614 14th W. ST.
3143 PRAIRIE DRIVEDriller D. J. DRYG Address BILLINGS MONT.

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

Date well started 6-20-72 Date Completed 6-28-72Type of well DRILLED Equipment Used ROTARY
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6 1/4</u>	<u>4" plastic</u>	<u>14</u>	<u>25</u>	<u>8 5/8</u>	<u>20</u>	<u>25</u>

1817 ELAINENE 1/4 SW Sec. 13 T. 14 N. R. 26 E

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

Static Water Level for non-flowing Well 14 feet.Shut-in Pressure for Flowing Well NAPumping Water Level 22 feet at 20 gal. per minute.Discharge in gal. per min. of flowing well NAHow Tested PUMP Length of Test 4 HRSRemarks: (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) BentoniteTO 6 FT. CEMENT TOPShow exact depth of bottom. Doc. No. 918634Filed for record
16th day of October
A.D. 1972 at 2:42
P.M.197
Driller's License NumberJ. J. Boren
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.

51,630

918634

STATE OF MONTANA, ss.
County of Yellowstone ss.
I, _____, Clerk of said County, do hereby certify
that _____
at _____ 2-18 OCT-16 1972 P.M.
_____ DEPUTY CLERK
Clerk of said County
By _____ Deputy

County YellowstoneTwp. 1 NRge. 26 EFolder # 1Sections 14 thru 22

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
14	Be. Ken Fred, F.C.	1957 Well Log		
14	Black, Joe E.	1957 Well Log		
14	Brilz, Anthony J.	GW 2	938374	
14	Burns, Conrad	GW 2	866942	
14	Cormack, George & Marceline	GW 2	889966	
14	Dimich, Mike Jr.	GW 4	769231	
14	Drangstad, Overt T.	GW 4	751463	
14	Dunbar, Marvin G.	GW 4	721612	
14	Gerritson, Robert & Lucy	GW 4	769263	
14	Greene, Raman L.	GW 4	719272	
14	Hartman, Anton Jr.	GW 4	721446	
14	Himelspach, Joe	GW 2	905432	
14	Hyde, Jack	GW 2	870202	
14	Inhoff, Wilbert E.	GW 2	887279	
14	Kale, Earl W.	GW 2	938471	
14	Kale, Earl W.	GW 2	938474	
14	Kale, Earl W.	GW 2	938470	
14	Kale, William	GW 2	938473	
14	Kettingling, Gene	GW 2	938009	
14	Kreitzberg, Mrs. Verita	GW 4	721180	
14	Kuck, Ervin	GW 2	938290	
14	Macer, George & Eileen	GW 4	769262	
14	Magnesen, Norman & Mary	GW 2	938462	
14	Moore, Johanna	GW 2	899519	
14	Morrison, Henry G.	GW 4	717208	
14	Mossman, James	GW 2	879749	
14	Obie, Bernard	GW 2	936791	
14	O'Dea, Michael J.	GW 2	938467	
14	Petty, Stanley R.	GW 2	938548	
14	Richards, Len	GW 2	938245	
14	Sannan, Alan D.	GW 2	938313	
14	Sieman, Curt	GW 2	907481	
14	Strong, Alvin	GW 4	769634	
14	Vail, Roland W.	GW 4	721555	
14	Weilder, Percy	GW 2	937311	
14	Zuske, Dale R.	GW 2	938356	
15	Cox, Redmond	1957 Well Log		
15	Cox, Redmond	1957 Well Log		
15	Hardy, Gerald	GW 2	937755	
15	Harmen, Oscar	1957 Well Log		
15	Harris, Leontine K.	1957 Well Log		
15	Hein, Clarence	1957 Well Log		
15	Hildebrandt, Robert G.	GW 4	680112	
15	Kapp, Edward	1957 Well Log		
15	Kilwein, Mr. & Mrs. Arthur	GW 2	938393	
15	Loomis, Melvin	GW 4	721579	

County Yellowstone Twp. 1 N Rge. 26 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
15	SFSostion, Calvin L.	GW4	769312	
15	Shawver, Geo. W.	GW4	721294	
15	Weagel, Ralph H. & Dorothy	GW2	936933	
15	Weagel, Ralph H. & Dorothy	GW2	936934	
15	Weagel, Ralph H. & Dorothy	GW2	936935	
16	Brown, Verniece	GW2	685681	
17	Fox, John	1957 Well Log		
18	Herbert, Daniel & Mary J.	GW3	722730	
18	Nave, Don L.	GW2	783477	
20	Taylor, Earl D.	GW3	7401162	
20	Warren, Jesse L. Jr.	1957 Well Log		
22	Adams, Wm. & Margaret	GW2	937862	
22	Bent, John W.	GW4	721839	
22	Black, Edward & Ada	1957 Well Log		
22	Cantrell, Henry & Lillian	GW4	721545	
22	Dobson, George	1957 Well Log		
22	Edward, Barry M.	GW4	721780	
22	Emanuel, Dallas & Hazel	GW4	720929	
22	Emanuel, Dallas & Hazel	GW4	720930	
22	Gibson, Robert Jr.	GW2	938211	
22	Groscop, Richard & Anita	GW2	938459	
22	Harris, Rosemary	1957 Well Log		
22	Heilig, Mr.	GW2	937498	
22	Hucke, Dorothy B.	GW4	721713	
22	Jones, Lynn T.	GW2	937113	
22	Kiedrowski, James	GW2	938284	
22	Kiedrowski, James	GW2	938285	
22	Lewis, Donald W.	GW2	937867	
22	Logan, Archie & Ruth	GW4	721177	
22	Ludtke, G. M.	GW2	720938	
22	Ludtke, G. M.	GW4	720939	
22	McCann, Dorothy G.	GW2	938570	
22	Mellick, Albert	GW4	721564	
22	Morgan, Dan	GW4	709262	
22	O'Donnell, Raymond	1957 Well Log		
22	Papka, Carroll L.	GW2	937816	
22	Papelka, Richard	GW4	721410	
22	Papelka, Richard	GW4	721413	
22	Papelka, Richard	GW4	721412	
22	Papelka, Richard	GW4	721411	
22	Papelka, Richard	GW4	721416	
22	Richards, Laura	GW2	938248	
22	Richards, Laura	GW2	938247	
22	Roesler, Fred W.	GW4	721546	
22	Ross, Harry M.	GW4	769187	
22	Shawver, George W.	GW4	721293	

GROUNDWATER INDEX

Page 3 of 3

County Yellowstone Twp. 1 N Rge. 26 E

[illegible]

RECEIVED
MAY 21 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 1 North R. 26 East
County Yellowstone

WATER WELL LOG

Owner: J.C. Berghard Address: 321 Victoria
Driller: La Roy E. Johnson Address: 941 Cook Ave
Date Started: May 6 1958 Date Completed: May 9, 1958
Location: Sec. 104 T. 1 N. R. 26 E. sec. 5 NW 1/4 SW 1/4

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

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

Casing: surface ft. to 38 ft. Type: 2 1/2" I.D. Size: 6" O.D.
Casing: _____ ft. to _____ ft. Type: _____ Size: _____
Casing: _____ ft. to _____ ft. Type: _____ Size: _____
Perforated or Screened: Ft. _____ to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations: _____
Static Water level, for non-flowing well: 14 feet from surface feet.

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

Pumping water level: 45 feet at 10 gal. per min.

How tested: Bailer

Length of test: 2 hours

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

(over)

Log of Well

[illegible]

RECEIVED
SEP 14 1957

T. 1 North R. 2 E. East m. P. m
County Yellowstone Montana

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

P.O. Box 505
Synchus

Owner Joe E. Beach Address Pullman Mont.
Driller E. W. Greenwood Address Pullman Mont.
Date Started April 21st 1955 Date Completed April 22nd 1955
Location: Sec. 14 T. 1 North R. 2 E. 1/4 sec. 5 N. 1/4 S. W. 1/4

Type of well: water Equipment used: Regular driving rig
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: ft. to ft. Type Cast iron Pipe Size 3 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: feet.

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

Pumping water level: 18 feet at 450 gal. per min. How

How tested:

Length of test:

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

The party who did the work for me do not do that type of work any more. I am unable to answer some of the questions asked on this sheet. as I cannot contact him to get the desired information. I hope the above is sufficient. I thank you.

(over)

Log of Well

[illegible]

STATE OF MONTANA,
County of Yellowstone } ss.

..... having first been duly sworn, depose..... and
say that..... he is..... of lawful age and..... the appropriator
and claimant..... of the order and water right mentioned in the foregoing notice of
completion of groundwater appropriation by means of well and the person..... whose name
is..... subscribed thereto, as the appropriator..... and claimant.....
that he..... know..... the contents of said foregoing notice and that the matters and things
therein stated are true.

Kathleen T. Briz

Subscribed and sworn to before me, this 29th day of June, 1973
Gaullette Roman
Notary Public for the State of Montana.
Residing at Bearpaw, Mont.
My Commission expires Feb. 1, 1976.

938374

Kathleen T. Briz

to

water

well

JUN 29 1973

11:58

Gaullette Roman

CERTIFICATE

STATE OF MONTANA, } ss.

County of Yellowstone,

I hereby certify that this sheet and all
sheets thereof and the contents of my Offi-
cial Seal are true and correct
copies of the original as kept on file in my office on the

29th day of June, 1923

at 1258 North P. my office Document

Number 238324

IN TESTIMONY WHEREOF, I have here
unto set my hand and my seal of

Office this 19th day of September

A.D. 1924

W. H. LUNDT

County Recorder

By Boyd J. Giesch

Deputy.

866942

STATE OF MONTANA, } ss.
County of Yellowstone.
That instrument was filed in my office
the AUG 27 1970
at 1:40 P.M.
By [Signature] Deputy

22

File No. MONTANA WATER RESOURCES BOARD

RECEIVED

DUPLICATE

AUG 31 1971

T. N R. 26County YellowstoneSTATE 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)

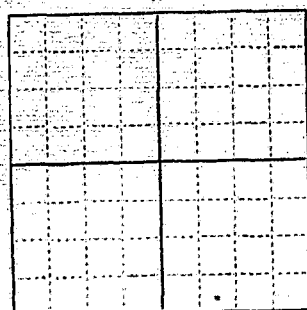
Case No. 889966
Filed for record
On 30 day of August
A. D. 19 71, at 2:00
o'clock P M.Owner Charles Biffling Address 1315 Charge Biffling
Mont

Driller..... Address.....

Date of Notice of Appropriation of Groundwater Aug 28 1965Date well started Aug 28 1965 Date Completed Aug 28 1965Type of well..... Equipment Used Not Known
(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)
Not Known						



1/4 Sec. 11 T. 26 R. 26
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom. 21 ftStatic Water Level for non-flowing Well..... 15 feet.

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

Pumping Water Level..... 1.0 feet at 20 gal. per minute.

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

How Tested Pump Length of Test 3 hrs

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

acres irrigated, if used for irrigation).....

Hawthorne Park IncNot Known
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.

48972

File No. MONTANA WATER RESOURCES BOARD

RECEIVED

DUPLICATE

AUG 31 1971

T. N. R. 26

County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

Per. No. 889966

Filed for record

On 30 day of August

A. D. 1971, at 2:00

o'clock P. M.

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner James Corvick & Address 1375 Chiswick Blvd

Driller Address

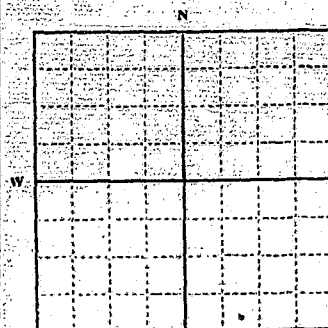
Date of Notice of Appropriation of Groundwater Aug 28 1965

Date well started Aug 28 1965 Date Completed Aug 28 1965

Type of well Equipment Used Not Known
(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)
	Not Known					

SE 1/4 Sec 19 T. 26 N. R. 26 E. 1 PM. 1
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 10 feet

Shut-in Pressure for Flowing Well

Pumping Water Level 10 feet at 20 gal. per minute

Discharge in gal. per min. of flowing well

How Tested Pump Length of Test 3 hrs

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

acres irrigated, if used for irrigation)

Show exact depth of bottom 21 ft

Not Known
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.

48972

889966

STATE OF MONTANA } ss.
County of Yellowstone.
This instrument was filed in my office
this AUG 30 1971 day of August 1971
at 2:00 o'clock P. M.
MORLEY H. LINDT
County Clerk & Ex-Officio
By [Signature] Deputy

200

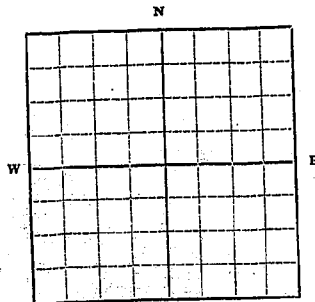
File No. _____

DUPLICATE

State of MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 21, Montana Session Laws, 1965)

1. Mike Dimich Jr. of 1088 Kyhl Lane (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:



Lot 2 Kyhl Sub.
1/4 Sec 34 T1 N R26 E

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

2. The beneficial use on which the claim is based.
Domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
1951-continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute).
15 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.
N.A.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
No known
8. The depth of water table.
55-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.
Not known
10. The estimated amount of groundwater withdrawn each year.
500,000 Gal.
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.
N.A.

Signature of Owner Mike Dimich Jr.

Date Dec - 28, 1968

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.

46530

769231

STATE OF MINNESOTA ss.
County of Winona

This instrument was filed for record
this DEC 31 1965
at 9:00 o'clock A.M.

Edmon S. Hedding,
County Clerk & Recorder
By JLS Deputy

File No.....

T...IN.....R.26.....

ORIGINAL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County.....

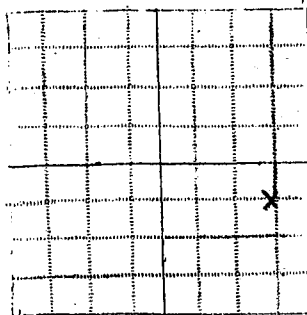
RECEIVED
JAN 2 1964

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

STATE ENGINEER

1. Obert T. Brangsted, of 24-BB-1 - country home
(Name of Appropriator) (Address) (Town)
Billings
Montana

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



1626 - Sec 14 T. 14 R. 26
Indicate point of appropriation
and place of use, if possible.
Each small square represents
10 acres.

2. The beneficial use on which the claim is based
Home use - lawn and garden
3. Date or approximate date of earliest beneficial
use; and how continuous the use has been -
1954
4. The amount of groundwater claimed (in miner's
inches or gallons per minute) - 7 - 10 gpm
5. If used for irrigation, give the acreage and
description of the lands to which water has been
applied and name of the owner thereof -

6. The means of withdrawing such water from the
ground and the location of each well or other
means of withdrawal - open
well
7. The date of commencement and completion of the construction of the well, wells,
or other works for withdrawal of groundwater - about Oct-30, 1954
8. The depth of water table - about 23 ft.
9. So far as it may be available, the type, size and depth of each well or the gen-
eral specifications of any other works for the withdrawal of groundwater -
San Point
10. The estimated amount of groundwater withdrawn each year -
grounded use - 5 normal - 3 in family
11. The log of formations encountered in the drilling of each well if available

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

Signature of Owner -

Date -

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

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

Original to the County Clerk & Recorder; Duplicate to the State Engineer; Triplicate
to the Montana Bureau of mines and Geology, and Quadruplicate for the appropriator

721463

STATE OF MONTANA
County of Yellowstone
This instrument was filed in the office
this 9.23 day of DEC 31 1963
at 9.23 o'clock PM
by Edmund S. Holding,
County Clerk & Recorder
By 2u. Deputy

File No.

T. 12 R. 26E

DUPLICATE

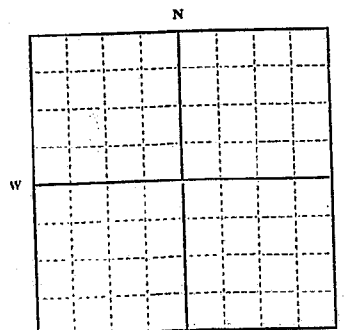
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

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

1. Marvin G. Dunbar, of 918 Lynch Drive, 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:



Lot 30, Block 1, Lynch Acres
Sub 1/4 Sec 14, T14N R 26E

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 Yard

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955, all the time.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric 1" pump, by the house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater It took two days to complete the well, drilling and casing.

8. The depth of water table Twelve 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 the casing is 6", and the depth is 78 feet.

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

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 Marvin G. Dunbar

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.

18361

721612

STATE OF MONTANA
County of Yellowstone
This is to certify that the within and to file
By 31 of Dec 1962
187 of P
By 208 of Dec 1962
By 208 of Dec 1962

200

OW

File No.

DUPLICATE WATER CONSERVATION BOARD

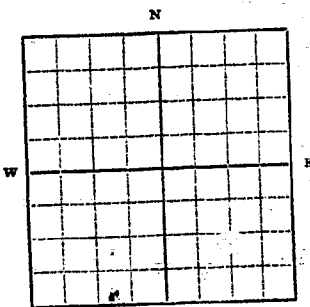
T 1 N. R 26 E

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. ROBERT J. & LUCY H. GARRITSON of 1045 WICKS LANE 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:



SESW 1/4 Sec. 17 T1N R26E

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



2. The beneficial use on which the claim is based HOUSE USE and OTHER IRRIGATION
3. Date or approximate date of earliest beneficial use; and how continuous the use has been HOUSE SEPT. 1950 BOTH WELLS continued use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) House Well 129 gallons a min. Irrigation Well 30 gallons a 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 So. 1/4 of SESW 1/4 Sec. 17 T1N R26E ROBERT J. & LUCY H. GARRITSON
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMP 2 ft from east line and 100 ft from So. line 70 ft from east line and 70 ft from So. line
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater SEPT. 1950
8. The depth of water table HOUSE WELL 60 ft 2nd Well 15 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater House Well 60 ft deep 6 inch Pipe 2nd Well 15 ft deep 2 inch pipe
10. The estimated amount of groundwater withdrawn each year House well 750,000 Gall. Irrigation Well 120,000 Gall.
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

Robert J. Garritson

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 Quaduplicate for the Appropriator.

46525

769263

STATE OF MINNESOTA
County of Washington
Title and interest conveyed in and to
this DEC 31 1965
at 10-26 A
by JJS

1/2
1/4
1/8
1/16
1/32
1/64
1/128
1/256
1/512
1/1024
1/2048
1/4096
1/8192
1/16384
1/32768
1/65536
1/131072
1/262144
1/524288
1/1048576
1/2097152
1/4194304
1/8388608
1/16777216
1/33554432
1/67108864
1/134217728
1/268435456
1/536870912
1/1073741824
1/2147483648
1/4294967296
1/8589934592
1/17179869184
1/34359738368
1/68719476736
1/137438953472
1/274877906944
1/549755813888
1/1099511627776
1/2199023255552
1/4398046511104
1/8796093022208
1/17592186044416
1/35184372088832
1/70368744177664
1/140737488355328
1/281474976710656
1/562949953421312
1/1125899906842624
1/2251799813685248
1/4503599627370496
1/9007199254740992
1/18014398509481984
1/36028797018963968
1/72057594037927936
1/144115188075855872
1/288230376151711744
1/576460752303423488
1/1152921504606846976
1/2305843009213693952
1/4611686018427387904
1/9223372036854775808
1/18446744073709551616
1/36893488147419103232
1/73786976294838206464
1/147573952589676412928
1/295147905179352825856
1/590295810358705651712
1/1180591620717411303424
1/2361183241434822606848
1/4722366482869645213696
1/9444732965739290427392
1/18889465931478580854784
1/37778931862957161709568
1/75557863725914323419136
1/151115727451828646838272
1/302231454903657293676544
1/604462909807314587353088
1/1208925819614629174706176
1/2417851639229258349412352
1/4835703278458516698824704
1/9671406556917033397649408
1/19342813113834066795298816
1/38685626227668133590597632
1/77371252455336267181195264
1/154742504910672534362390528
1/309485009821345068724781056
1/618970019642690137449562112
1/1237940039285380274899124224
1/2475880078570760549798248448
1/4951760157141521099596496896
1/9903520314283042199192993792
1/19807040628566084398385987584
1/39614081257132168796771975168
1/79228162514264337593543950336
1/158456325028528675187087900672
1/316912650057057350374175801344
1/633825300114114700748351602688
1/1267650600228229401496703205376
1/2535301200456458802993406410752
1/5070602400912917605986812821504
1/10141204801825835211973625643008
1/20282409603651670423947251286016
1/40564819207303340847894502572032
1/81129638414606681695789005144064
1/162259276829213363391578010288128
1/324518553658426726783156020576256
1/649037107316853453566312041152512
1/1298074214633706907132624082305024
1/2596148429267413814265248164610048
1/5192296858534827628530496329220096
1/10384593717069655257060992658440192
1/20769187434139310514121985316880384
1/41538374868278621028243970633760768
1/83076749736557242056487941267521536
1/166153499473114484112975882535043072
1/332306998946228968225951765070086144
1/664613997892457936451903530140172288
1/1329227995784915872903807060280344576
1/2658455991569831745807614120560689152
1/5316911983139663491615228241121378304
1/10633823966279326983230456482242756608
1/21267647932558653966460912964485513216
1/42535295865117307932921825928971026432
1/85070591730234615865843651857942052864
1/170141183460469231731687303715884105728
1/340282366920938463463374607431768211456
1/680564733841876926926749214863536422912
1/1361129467683753853853498429727072845824
1/2722258935367507707706996859454145691648
1/5444517870735015415413993718908291383296
1/10889035741470030830827987437816582766592
1/21778071482940061661655974875633165533184
1/43556142965880123323311949751266331066368
1/87112285931760246646623899502532662132736
1/174224571863520493293247799005065324265472
1/348449143727040986586495598010130648530944
1/696898287454081973172991196020261297061888
1/1393796574908163946345982392040522594123776
1/2787593149816327892691964784081045188247552
1/5575186299632655785383929568162090376495104
1/11150372599265311570767859136324180752990208
1/22300745198530623141535718272648361505980416
1/44601490397061246283071436545296723011960832
1/89202980794122492566142873090593446023921664
1/178405961588244985132285746181186892047843328
1/356811923176489970264571492362373784095686656
1/713623846352979940529142984724747568191373312
1/1427247692705959881058285969449495136382746624
1/2854495385411919762116571938898990272765493248
1/5708990770823839524233143877797980545530986496
1/11417981541647679048466287755595961091061972992
1/22835963083295358096932575511191922182123945984
1/45671926166590716193865151022383844364247891968
1/91343852333181432387730302044767688728495783936
1/182687704666362864775460604089535377456991567872
1/365375409332725729550921208179070754913983135744
1/730750818665451459101842416358141509827966271488
1/1461501637330902918203684832716283019655932542976
1/2923003274661805836407369665432566039311851085952
1/5846006549323611672814739330865132078623702171904
1/11692013098647223345629478661730264157247404343808
1/23384026197294446691258957323460528314494808687616
1/46768052394588893382517914646921056628989617375232
1/93536104789177786765035829293842113257979234750464
1/187072209578355573530071658587684226515958469500928
1/374144419156711147060143317175368453031916939001856
1/748288838313422294120286634350736906063833878003712
1/1496577676626844588240573268701473812127667756007424
1/2993155353253689176481146537402947624255335512014848
1/5986310706507378352962293074805895248510671024029792
1/11972621413014756705924586149611790497021342048059584
1/23945242826029513411849172299223580994042684096119168
1/47890485652059026823698344598447161988085368192238336
1/95780971304118053647396689196894323976170736384476672
1/191561942608236107294793378393788647952341471768943344
1/38312388521647221458958675678757729590468294353788688
1/76624777043294442917917351357515459180936588707577376
1/153249554086588885835834702715030918361873177415154752
1/306499108173177771671669405430061836723746354830308504
1/612998216346355543343338810860123673447492709660617008
1/1225996432692711086686677621720247346894985419321234016
1/2451992865385422173373355243440494693789970838642468032
1/4903985730770844346746710486880989387579941677284936064
1/9807971461541688693493420973761978775159883354569872128
1/19615942923083377386986841947523957550319766709139744384
1/39231885846166754773973683895047915100639533418279488768
1/78463771692333509547947367790095830201279066836558977536
1/156927543384667019095894735580191660402558133733117955072
1/313855086769334038191789471160383320805116267466235910144
1/627710173538668076383578942320766641610232534932471820288
1/1255420347077336152767157884641533283220465069864943640576
1/2510840694154672305534315769283066566440930139729887281152
1/5021681388309344611068631538566133132881860279459774562304
1/10043362776618689222137263077132262657737720558919549124608
1/20086725553237378444274526154264525315475441117839098249216
1/40173451106474756888549052308529050630950882235678196498432
1/80346902212949513777098104617058101261901764471356392996864
1/160693804425899027554196209234116202523803528942712785993728
1/321387608851798055108392418468232405047607057885425571987456
1/642775217703596110216784836936464810095214115770851143974912
1/1285550435407192220433569673872929620190428231541702287949824
1/2571100870814384440867139347745859240380856463083404575899648
1/5142201741628768881734278695491718407761712926166809151799296
1/10284403483257537763468557390983436815523425852333618303598592
1/20568806966515075526937114781966873631046851704667236607197184
1/41137613933030151053874229563933747262093703409334473214394368
1/82275227866060302107748459127867494524187406818668946428788736
1/164550455732120604215496918255734989048374813637337892857577472
1/329100911464241208430993836511469978096749627274675785715154944
1/658201822928482416861987673022939956193499254549351571430309888
1/1316403645856964833723975346045879912386998509098703142860619776
1/2632807291713929667447950692091759824773997018197406285721239552
1/5265614583427859334895901384183519649547994036394812571424691008
1/1053122916685571866979180276836703929909598807278962514284938216
1/2106245833371143733958360553673407859819197614557925028569876432
1/4212491666742287467916721107346815719638395229115850057139752864
1/8424983333484574935833442214693631439276790458231700114279505728
1/16849966668969149871666884429387262878553580916463400228559011456
1/33699933337938299743333768858774525757107161832926800457118022912
1/67399866675876599486667537717549051514214323665853600914236045824
1/13479973335175319897333507543509810308422864733170720182847209152
1/26959946670350639794667015087019620616845729466341440365694418304
1/53919893340701279589334030174039241233691458932682880731388836608
1/107839786681402559178668060348078482467829178653365761462777733216
1/215679573362805118357336120696156964935658357306731522925555466432
1/431359146725610236714672241392313929871317114613463045851111132864
1/862718293451220473429344482784627859742623423226926091702222672896
1/1725436586902440946858688965569255719485246846453852183404445345792
1/3450873173804881893717377931138511429704493692907704366808890691584
1/690174634760976378743475586227702285940898738581540873361778138316928
1/1380349269521952757486951172455404571881797477163081467235562776633856
1/2760698539043905514973902344910809143763594954326162934471125553267712
1/5521397078087811029947804689821618287527189908652325868942251106535424
1/11042794156175622059895609379643236575054379817304651737884502130870848
1/22085588312351244119791218759286473155010759634609303475769004261741696
1/44171176624702488239582437518572946310021519269218606951538008523483392
1/88342353249404976479164875037145892620043038538437213903076017046966784
1/176684706498809952958329750074291785240086076676874427806152034093933568
1/353369412997619905916659500148583570480172153353748855612304068187867136
1/706738825995239811833319000297167140960344306707497711224608136375734272
1/1413477651990479623666638000594334281920688613414994422449216272751468544
1/2826955303980959247333276001188668563841377226829988844898432545502937088
1/5653910607961918494666552002377337127682754453659977689796865091005874176
1/11307821215923836989333104004754674255365508907319955379593730182011748352
1/22615642431847673978666208009509348510731017814639910759187460364023496704
1/45231284863695347957332416019018697021462035629279821518374920728046993408
1/90462569727390695914664832038037394042924071258559643036749841456093986816
1/180925139454781391829329664076074788085848142597119286073499682912187973632
1/361850278909562783658659328152149576171696285194238572146999365824375947264
1/723700557819125567317318656304299152343392570388477144293998731648751894528
1/1447401115638251134634637312608598304686785140776954288587974623297503789056
1/2894802231276502269269274625217196609373570281553908577175949246595007578112
1/5789604462553004538538549250434393218747140563107817154351898493190015156224
1/11579208925106009077077098500868786377494281126215634308703796986380030312448
1/23158417850212018154154197001737572754988562252431268617407593972760060624896
1/46316835700424036308308394003475145509977124504862537234815187945520121249792
1/92633671400848072616616788006950291019954249009725074469630375891040242499584
1/185267342801696145233233576013900582039908498019450148938600751782080484999168
1/370534685603392290466467152027801164079816996038900297877201503564160969998336
1/741069371206784580932934304055602328159633992077800595754403007128321939996672
1/1482138742413571161865868608111204656319267984155601191508006014256639879983344
1/2964277484827142323731737216222409312638535968311202383016001208513279759966688
1/5928554969654284647463474432444818625277071936622404766032002417026559519933376
1/11857109939308569294926948864897372505554143873244809532064004834053119039866752
1/23714219878617138589853897729794745011108287746489619064128009668106238079733504
1/47428439757234277179707795459589490022216575492979238128256019336212476159467008
1/94856879514468554359415590919178980044433150985958476256512038672424952318934016
1/189713759028937108718831181838357960088866301971916952513024077344849904638668032
1/379427518057874217437662363676715920177732603943833905026048154689699809277336064
1/7588550361157484348753247273534318403554

GV-4

File No.

DUPLICATE

T. 1N R. 26 East

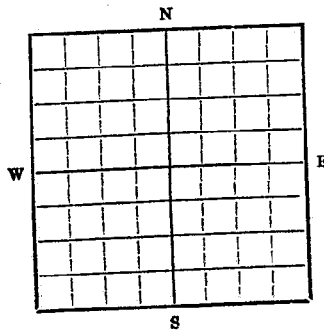
County Yellowstone

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 4 1963
STATE ENGINEER

1. Greene, Ramon L., of 843 Mossman Drive 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:



Sec. 14 T. 1N R. 26E

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, garden, and yard watering.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been September 29, 1963.
Continual use.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Six (6) gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Sally Fox garden and yard irrigation on lot 105' x 125' by appropriator.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump. One well in front of residence.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 1961
8. The depth of water table Twenty (20) feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Driven sand point. Two (2) inch steel pipe and twenty-one (21) feet deep.
10. The estimated amount of groundwater withdrawn each year 500,000 gallons.
11. The log of formations encountered in the drilling of each well if available First 4 feet surface clay and sand. Balance of 17 feet gravel, sand, and rock.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date

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

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

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

GW

File No.

DUPLICATE

T. 1N R. 26 East

County Yellowstone

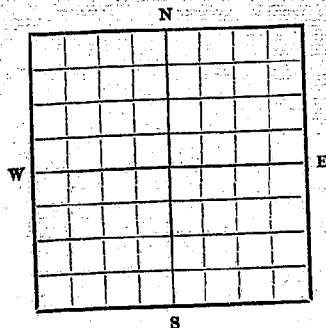
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 287, Montana Session Laws, 1961)

RECEIVED
DEC 4 1963

STATE ENGINEER

1. Greene, Ramon L. of 843 Mossman Drive 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 NW 1/4 Sec. 14 T. 1N R. 26E

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, garden, and yard watering.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been September 30, 1962.
Continual use.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Six (6) gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Only for garden and yard irrigation on lot 105' x 125' by appropriator.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump. One well in front of residence.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 1961
8. The depth of water table Twenty (20) feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Driven sandpoint. Two (2) inch steel pipe and twenty-one (21) feet deep.
10. The estimated amount of groundwater withdrawn each year 500,000 gallons.
11. The log of formations encountered in the drilling of each well if available First 4 feet surface clay and sand. Balance of 17 feet gravel, sand, and rock.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

(NOT APPLICABLE)

Signature of Owner

Ramon L. Greene
Date 12-2-1963

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.

719272

STATE OF CALIFORNIA
County of ...
This is to certify that on my office
this 3rd day of Dec 1963
at 11:40 1
by Jaw Deputy
RR

File No.....

T. 1W R. 26E

ORIGINAL

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

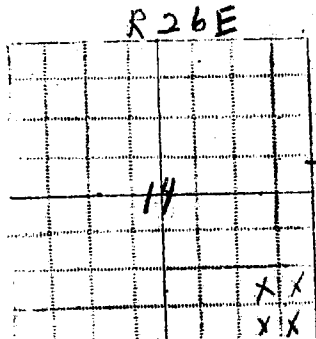
RECEIVED
JAN 2 1964

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

STATE ENGINEER

1. ANTHONY HARTMAN of 1509 CHERRY ST - BILLINGS
(Name of Appropriator) (Address) (Town)

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



2. The beneficial use on which the claim is based
HOUSE HOLD
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
5-6-64 5042 L 10042
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1397
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 Well

Set 4, Sec 14, Township 14 N, Range 26 E

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 5-6-64
8. The depth of water table 58 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" 34 FT 0.62
10. The estimated amount of groundwater withdrawn each year 109500
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Anthony Hartman
Date 12-31-63

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 & Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the appropriator

18239

721445

STANDARD
COUNT OF PLANTS

31 Dec 65
9:06

Copy to be made
Jaw Deputy
2 or

File No.

DUPLICATE

RECEIVED

APR 21 1972

T. 1N R. 26ECounty YellowstoneMONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATIONSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

TOP SOILSSAND &GRAVEL-27 SHALE-28WATER @ 20 FT.WATER LEVEL 10 FT.Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

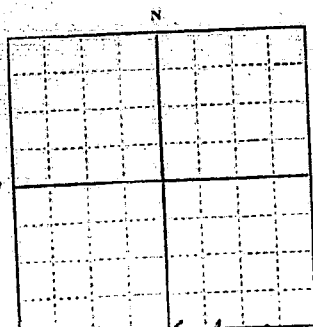
Owner Joe Himespach Address 1414 CHAPMAN STDriller DISPER DRILL Address 3143 PIPER DRIVE

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

Date well started 4-7-72 Date Completed 4-7-72Type of well DRILL Equipment Used ROTARY
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Stock ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6 1/4</u>	<u>4" PLASTIC</u>	<u>14</u>	<u>28</u>	<u>1" SLOTS</u>	<u>15</u>	<u>28</u>

SE 1/4 Blk 13, Hawthorne Park Sub 310
Sec. 14, T. 1N R. 26E

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

Static Water Level for non-flowing Well 10 feet.Shut-in Pressure for Flowing Well NAPumping Water Level 22 feet at 20 gal. per minute.Discharge in gal. per min. of flowing well NAHow Tested PUMP Length of Test 4 HRS

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

acres irrigated, if used for irrigation) Packer615 F. 1. Bentonite etcTOPShow exact depth of bottom. Doc. No. 905432Filed for record
this 20th day of April
A. D. 19 72 at 2:30
o'clock P.197
Driller's License NumberJ. J. Bae
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.

50,243

905432

APR 28 1972

2:30

[Signature]

20

MONTANA WATER RESOURCES BOARD County Yellowstone

RECEIVED

DRILLER'S LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

OCT 28 1970

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Jack Hyde
Address 1340 Barrett Lane
Billings Montana
Date well started Oct. 21 1970
completed Oct. 22 1970

Type of well Drilled (Dig, driven, bored or drilled)

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

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒

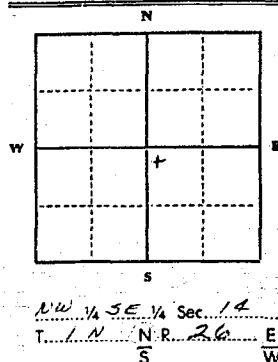
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*Describe 10 Acres.....

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 1,000,000 m³/yr

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
9in OD	8in ID 32lb	0	32 ft.	none		



Static water level 6 ft. ft.*
Pumping water level 6 ft. ft.*
at 50 gallons per minute,
measured 10 minutes after pumping
began.

*Measured from ground level.
Well developed by boiler
for 1 hr. hours.

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

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

Driller's Signature T. Russell H. Tolson

Driller's Address Box 116 Halfry Montana

LICENSE NO. **139**

32 ft. Show exact depth of bottom

417693

k-
d,
w
ad
ll.

870302

Jack C. Hyde

STATE OF MONTANA } ss. 1
County of Yellowstone }
This instrument was filed in my office
this OCT 27 1970 day of _____ 19____
at 1:30 o'clock P. M.
MERRILL H. KLUNDT
County Clerk & Recorder
By Carol D. Bolin Deputy
200

File No.

T. 1 N. R. 26 E

DUPLICATE

County YELLOWSTONESTATE OF MONTANA
RECEIVEDSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JUL 27 1971

Top of Ground

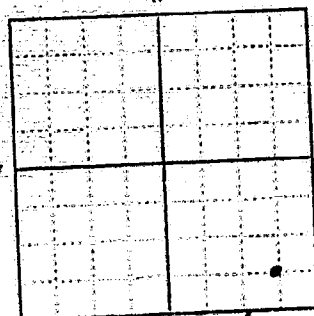
(Elev. above sea level 3300)Doc. No. 887279

Filed for record

this 23 day of JulyA. D. 19 71, at 4:40o'clock P. M.Owner Wilbert E. J. Hoff Address 1516 Cheryl St.Driller Sam Address SamDate of Notice of Appropriation of Groundwater 7-21-71Date well started Aug 1966 Date Completed Aug 1966Type of well driven Equipment Used slide
(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)
<u>1 1/2"</u>	<u>1 1/2"</u>	<u>0</u>	<u>22</u>	<u>Sand</u> <u>thru</u>	<u>0</u>	<u>22</u>



SE 1/4, Sec. 14, T. 1 N., R. 26 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 8 feet.Shut-in Pressure for Flowing Well N/APumping Water Level 6 feet at 20 gal. per minute.Discharge in gal. per min. of flowing well N/A

How Tested..... Length of Test.....

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

acres irrigated, if used for irrigation)

Home and IrrigationDriller's License Number SelfDriller's Signature Wilbert E. J. Hoff

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.

48784

887279

STATE OF MONTANA 65.
County of Yellowstone

This instrument was filed in my office

this 28 day of July 1911

at 4:40 o'clock P. M.

MERRILL H. BLONIST
County Clerk & Recorder

By *[Signature]* Deputy

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.

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

For Administrator's Use

Address 2133 W. Lake Dr.

File

Things int

4-29-73

Date well started

GW 1

completed

Type of well

(Dug, driven, bored or drilled)

Equipment used

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

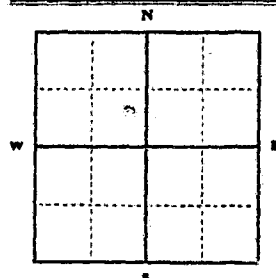
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

- 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). *Tract 18 SS 1175*

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casting	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
	3					
	11.12				16	20



Static water level 8 ft.*
Pumping water level 12 ft.*
at gallons per minute,
measured minutes after pumping
began.

*Measured from ground level.

Well developed by _____
for _____ hours.

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

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

E 1 1/2 N 1/2 Sec 14
T 1 - N R 2 6 E

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

Driller's Signature

Driller's Address

LICENSE NO.

Show exact depth of bottom

Show exact depth of bottom

938471

STATE OF MONTANA, } ss.
County of Yellowstone. }
This instrument was filed in my office
this 29 day JUN 29 1973
at 2:57 o'clock PM M.
MERRILL H. KLUNDT
County Clerk & Recorder
By [Signature] Deputy.

RECEIVED

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.

1113 3 107

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>Carl W. Kalle</u>	For Administrator's Use
Address <u>801 Kalle Dr.</u>	File # <u>938474</u>
<u>Burlington</u> <u>Vt.</u>	<u>6-29-73</u>
Date well started <u>June 1973</u>	GW 1 <u>300 p.m.</u>
completed <u>June 1973</u>	

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

Equipment used _____
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

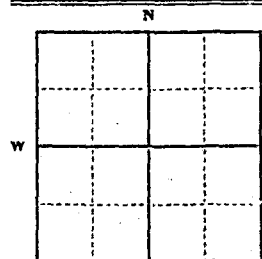
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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). See 15-12-10-1

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casting	From (Feet)	To (Feet)	PERFORMANCES		
				Kind Size	From (Feet)	To (Feet)
3	1 1/2			107		



Static water levelft.*
Pumping water levelft.*
atgallons per minute,
measuredminutes after pumping
began.

*Measured from ground level.

Well developed by
for hours.

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

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

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

Driller's Signature

Driller's Address

LICENSE NO

[illegible]

Show exact depth of bottom

29360

Show exact depth of bottom

938474

STATE OF MONTANA, } ss.
County of Yellowstone, }
This instrument was filed in my office
this JUN 28 1973 day of 19
at 3:00 o'clock P M.
MERRILL M. KLUNDT
County Clerk & Recorder
By [Signature] Deputy

Show exact depth of bottom

ick-
nd,
ow
and
vell.

938470

STATE OF MONTANA, }
County of Yellowstone, }
This instrument was filed in my office
this 28 day of JUN 28 1973
at 2:56 o'clock P M
MERRILL H. KLUNDT
County Clerk & Recorder
By [Signature] Depu
26

55387

Show exact depth of bottom

938473

STATE OF MONTANA, }
County of Yellowstone, } ss.
This instrument was filed in my office
this _____ day of _____ 1973
at 2:59 o'clock P M.
MERRILL H. KLUNDT
County Clerk & Recorder
By _____ Deputy
92

54294

938009

STATE OF MONTANA

County Clerk

JUN 28 1973

at 12:46 P.M.

MERRILL W. BLUNDT

County Clerk & Ex-Officio

By *[Signature]* Deputy

2 cc

GW

File No.

T 14 R 26

DUPLICATE

County

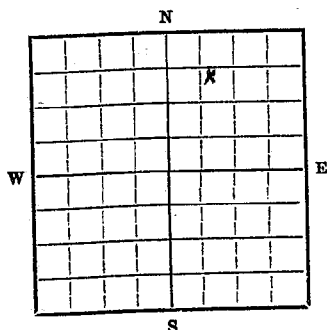
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mrs. Venita Kreitzberg of 818 Mary 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 14 T 14 R 26 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 House Hold
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Oct. 1958, Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) UNKNOWN
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof OWN ONLY
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PRESSURE PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater OCT 1958
8. The depth of water table 7 ft. to 3 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 20 ft. Deep
10. The estimated amount of groundwater withdrawn each year 7,000 gal. Approx. daily
11. The log of formations encountered in the drilling of each well if available Gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Mrs. Venita Kreitzberg

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.

16181

721186

STATE OF MONTANA,
County of Yellowstone,

This instrument was filed in my office
this DEC 30 1953
day of _____ 19____

at 11:18 o'clock A M.

Edmon S. Redding,
County Clerk & Recorder

By Edna E. Eddy Deputy

2.00

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

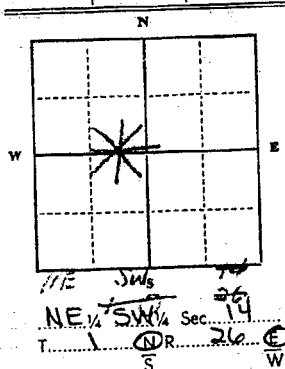
(Under Chapter 237 Montana Session Laws, 1961, as amended)

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 Elvin Truck
Address 950 Main St. Billings, Mont.
Date well started 4/15/66
completed 4/16/66
Type of well DRIVEN
Equipment used DRIVER
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 400,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
3 1/2	3 1/2 122	0	26	Kind Size From (Feet) To (Feet)
				out 18 24



Static water level 10 ft.*
Pumping water level 12 ft.*
at _____ gallons per minute,
measured _____ minutes after pumping
began.
*Measured from ground level
Well developed by _____
for _____ hours. 3
Power _____ Pump _____ HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) _____

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

Driller's Signature LED-DRILLING Co. Inc.
Driller's Address 1335 PINE AVE. BILLINGS, MONT.

LICENSE NO. 188

Show exact depth of bottom 25

County _____

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	2
2	10
10	25
TOP SOIL	
SANDY GRAVEL	
WATER AT 18	
40 94 IN	

938290

STATE OF MONTANA } ss.
County of Yellowstone }
This instrument was filed in my office
this JUN 29 1973 1973
at 11:27 1 M.
REINHOLD M. HUNDT
County Clerk & Recorder
By [Signature] Deputy
27

File No.

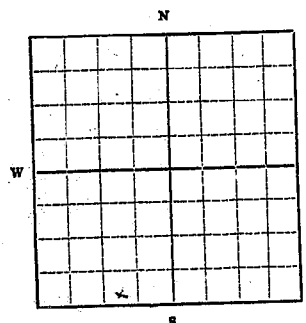
T 17w R 26E

County Yellowstone

DUPLICATE STATE WATER CONSERVATION BOARD
STATE OF MONTANA
JAN 4 1966 ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

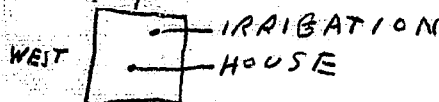
Declaration of Vested Groundwater Rights
(Under Chapter 21, Montana Session Laws, 1965)

1. GEORGE + EILEEN N. MACER of 1027 WICKS LANE 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:



SESW 1/4 Sec. 14 T17w R26E

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 ONE HOUSE ONE IRRIGATION
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940 CONTINUOUS
4. The amount of groundwater claimed (in miner's inches or gallons per minute) IRRIGATION - 30 GAL. PER MINUTE
HOUSE - 12 GAL. PER MINUTE
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
GEORGE + EILEEN MACER
2 ACRES LAWN PASTURE
FRUIT + SHADE TREES
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
PUMPS

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1940
8. The depth of water table HOUSE WELL 40 FT. IRRIGATION 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
IRRIGATION 20 FT. 2"
HOUSE 40 FT. 6"
10. The estimated amount of groundwater withdrawn each year IRRIGATION 150,000 GAL.
HOUSE 788,000 GAL.
11. The log of formations encountered in the drilling of each well if available NONE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner George Macer
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.

40524

769262

DEC 31 1965

10:28

ll

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 NORMAN + MARY MAGNUSSEN

Address 1419 Cheryl St.
BILLINGS, MONT.

Date well started

completed

For Administrator's Use	
File	<u>438462</u>
	<u>6-24-73</u>
GW 1	<u>247 p.m.</u>

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

Equipment used (Churn drill, rotary or other)

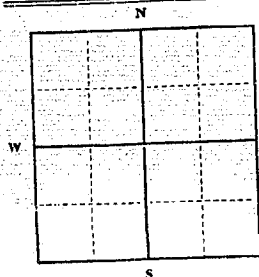
Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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).

ESTIMATED ANNUAL WITHDRAWAL 500 GPM

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>3/8"</u>	<u>Per Ft.</u>	<u>0</u>	<u>20</u>	<u>BLASTED POINT</u>		



SE 1/4 Sec. 14
T. 1 N. R. 26 E.
S. 1/4 N. 1/4 Sec. 14

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

Driller's Signature

Driller's Address

Norman upwind

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)
	<u>CLAY</u>
	<u>gravel</u>
	<u>gt water level</u>
	<u>22' Bottom</u>

Show exact depth of bottom

938462

STATE OF MONTANA
County of Yellowstone

This instrument was filed in my office
on JUN 20 1979 at 2:47 o'clock PM.

By WILLIAM E. KILPATRICK
County Clerk of said County
By WBB Deputy

WBB

RECEIVED

County Yellowstone

JAN 27 1972

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 Shanna Moore
Address 1345 Cheryl St.
Billings, Montana
Date well started 8/19/70
completed 8/20/70

For Administrator's Use
File 899519
Jan. 25, 1972 10:22 AM
GW 1

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

Equipment used CABLE
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

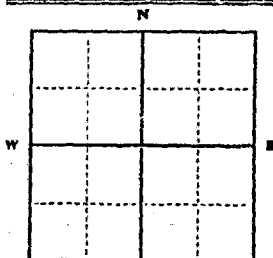
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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
<u>8 1/2</u>	<u>8 1/2</u>	<u>0</u>	<u>22</u>	<u>16</u>
	<u>12 1/4</u>	<u>11 5/8</u>		<u>27</u>
		<u>1"</u>		<u>8</u>



Static water level 10 ft.*
Pumping water level 8 ft.*
at 30 gallons per minute,
measured 30 minutes after pumping began.
*Measured from ground level.
Well developed by 2 1/2 hours.
Power 3 Pump 3 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

1/4 Sec. 14
T. 1 N. R. 26 E.

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

Driller's Signature [Signature]
Driller's Address 1035 WING MILLER LANE

H.D. DRILLING LICENSE NO. 188
BILLINGS MONT

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> TOP SOIL
<u>2</u>	<u>6</u> GRAVEL - CLAY
<u>6</u>	<u>14</u> GRAVEL - SANDSTONE
<u>14</u>	<u>18</u> SAND
<u>18</u>	<u>22</u> GRAVEL - SAND

Show exact depth of bottom

49,792

899519

JAN 25 1972

By Carol B. Bolin Deputy

5/22

CW

File No.

T. 14 N. R. 26 E.

DUPLICATE

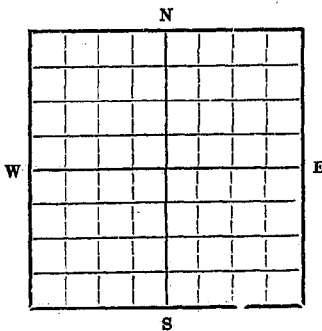
County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 31 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 287, Montana Session Laws, 1961)

1. Henry G. Morrison of 925 Mossman Drive, 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 NW 1/4 Sec 14 T. 14 N. R. 26 E.

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

2. The beneficial use on which the claim is based HOME LAWN and garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 15, 1957 and continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) twelve gallons a 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 lot 80 X 120 feet Henry G. Morrison
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 14, 1956 completed June 20, 1956
8. The depth of water table fifteen 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 24 inch casing depth 22 feet--dug well
10. The estimated amount of groundwater withdrawn each year 400,000 gallons a year
11. The log of formations encountered in the drilling of each well if available fourteen feet of gravel 8 inches of hard pan and then 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 no other information

Signature of Owner Henry G. Morrison

Date October 21, 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.

6722

717208

STATE OF MONTANA,
County of Yellowstone.

This instrument was filed in my office
on OCT 30 1963 at 4:20 P.M.

Edmond S. [unclear]
County Clerk

By Jaw

20

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 James Thomas

Address 2011 E. 1st St.

Billings, Montana

Date well started Oct. 23, 1970

completed Oct. 24, 1970

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Churn Drill

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☒

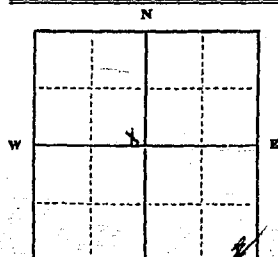
*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

4,200,000 gal

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
<u>6 5/8</u>	<u>6 ID</u>	<u>0</u>	<u>25</u>	Kind Size	From (Feet)	To (Feet)
				<u>2500</u>		



SE 1/4 4th 5th N 1/4 W
T. 1 N. R. 26 E. W

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

Driller's Signature Russell E. Toland

Driller's Address

Montana

LICENSE NO. 139

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>4</u>	<u>top soil</u>
<u>4</u>	<u>25</u>	<u>clay & gravel</u>
<u>25</u>		<u>shale</u>

26 Show exact depth of bottom

48319

879749

STATE OF MONTANA } ss.
County of Yellowstone }
This instrument was filed in my office
this 11 day of APR 8 1971 at 4 M.
J. H. HINDT
County Clerk & Recorder
By C. H. Hindt Deputy
24

53,599

THE UNIVERSITY OF CHICAGO
LIBRARY

[illegible]
$$\begin{aligned} \frac{d}{dt} \left(\frac{1}{2} \int_{\mathbb{R}^n} |\nabla u|^2 dx \right) &= \int_{\mathbb{R}^n} \nabla u \cdot \nabla \left(\frac{1}{2} \frac{d}{dt} u \right) dx \\ &= \int_{\mathbb{R}^n} \nabla u \cdot \nabla \left(-\Delta u + u \right) dx \\ &= \int_{\mathbb{R}^n} \nabla u \cdot \nabla (-\Delta u) dx + \int_{\mathbb{R}^n} \nabla u \cdot \nabla u dx \\ &= - \int_{\mathbb{R}^n} \Delta u \cdot \Delta u dx + \int_{\mathbb{R}^n} |\nabla u|^2 dx \\ &= - \int_{\mathbb{R}^n} |\Delta u|^2 dx + \int_{\mathbb{R}^n} |\nabla u|^2 dx \end{aligned}$$

JUN 2 1954

3-11-77

1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.

1947

By James M. Smith

72

...and the

1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 26

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

[illegible][illegible][illegible]

the 1990s, the number of people in the world who are under 15 years of age is expected to increase from 1.1 billion to 1.5 billion. The number of people aged 65 and over is expected to increase from 200 million to 400 million. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion.

[illegible][illegible]

Journal of Interpersonal Violence 26(10) 1978-1996
© The Author(s) 2011
Reprints and permissions: <http://www.sagepub.com/journalsPermissions.nav>

[illegible][illegible]

Table 1. *Continued*

Trial	Control (%)	MCI (%)	AD (%)
1	95	85	75
2	95	85	75
3	95	80	70
4	95	78	68
5	95	75	65

JUN 18 1972

By James M. Smith Deputy

2a

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 MICHAEL J. O'DEA

1309 CHERYL ST.

BILLINGS, MONTANA

Date well started 8/1/71

completed 8/1/71

Type of well WATER, DUG & DRIVEN

(Dug, driven, bored or drilled)

Equipment used: POST HOLE DIGGER & DRIVER

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

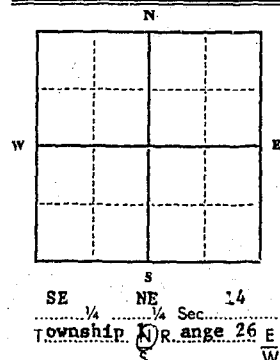
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*Describe Lot 4 BK 5 Hawthorne Sub

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 9 Block 5 Hawthorne

ESTIMATED ANNUAL WITHDRAWAL 22,000 99%

Size of Drilled Hole	Size and Weight of Casting	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
2"	2" 35 1/16 BK Prod	0	2 1/2'		17'	2 1/2'



Static water level 15 ft.*
Pumping water level 13 ft.*
at 120 gallons per minute,
measured 60 minutes after pumping
began.

*Measured from ground level.

Well developed by M. O'DEA

for 12 hours.

Power 220 Pump 1 HP

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

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

Driller's Signature: Michael A. Nea

Driller's Address 1309 Cherry St.

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]

21' Show exact depth of bottom

55375

938467

ST OF MONTANA, ss.
instrument was filed in my office
day of JULY 29 1973
2:53 o'clock P. M.
MERRILL H. REUNDT
County Clerk & Recorder
C.B. 16 Deputy
7 Jan

5 5/15

938548

STATE OF MONTANA }
County of Yellowstone }

This instrument recorded in my office

this JUN 29 1973

at 4:16 P.M.

MERRILL LUNDY
County Clerk

By [Signature] Deputy

700

95261

938245

STATE OF MONTANA, } ss.
County of Yellowstone, }
This instrument was filed in my office
this JUN 28 1973 day of JUN 19 73
at 9:25 o'clock A M.
My Comm. Expires 12-31-74
County Clerk or Recorder
By CPB Deputy
850

938313

STATE OF MONTANA. } ss.
County of Yellowstone.

This instrument was filed in my office

this 10th day of April 1919

at 11:40 o'clock P. M.

MERRILL P. BLUNDT
County Clerk & Recorder.

By C. B. B. Deputy

720

File No.

RECEIVED

T. 1N R. 26E

DUPLICATE

MAY 19 1972

County GallatinMONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATIONSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

Top Soil

SANDY CLAY-GRAVEL

SAND & GRAVEL

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

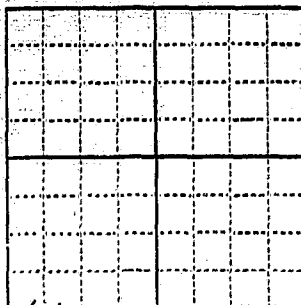
Owner Curt Siemon Address 813 Betty DrDriller L & D DRILLING Address 1025 WINE MILLER

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

Date well started 4/12/72 Date Completed 4/28/72Type of well DRILLED Equipment Used C.A.B.I.E.
(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"	0	26	Cut	26	26

Static Water Level for non-flowing Well 16 feet.

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

Pumping Water Level 10 feet at 30 gal. per minute.Discharge in gal. per min. of flowing well 30How Tested P.A.D.P. Length of Test.....

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

acres irrigated, if used for irrigation).....

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

Show exact depth of bottom.

Doc. No. 907481
Filed for record
this 18th day of May
A. D. 19 72, at 4:10
o'clock P. M.1025 WINE MILLER
Driller's License Number
L & D DRILLING
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.

50,424

907481

SENTINEL (TANAN) es.
C. J. H. (TANAN) es.
THE B. es. MAY 18 1972 es.
C. J. H. es. es.
a. 1510 P. M.
C. J. H. es. es.
By *Law* es.
2a.

File No. _____

T. 11N R. 26E

DUPLICATE

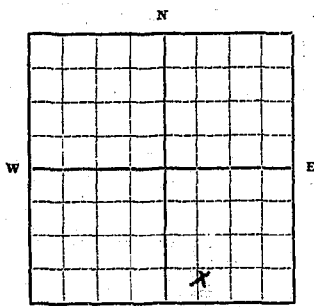
County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 21, Montana Session Laws, 1965)

1. Alvin Strong, of 8031 Hawthorne Ln. 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. 14 T. 11N. R. 26E

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 & Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1933 Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15941
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Lawn & Garden
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Approx. 1933
8. The depth of water table. 25 FT.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
Drug 25 FT. Driven 16 FT.
10. The estimated amount of groundwater withdrawn each year. 2,500,000 GAL
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.
None

Signature of Owner

Date

Alvin Strong
January 6, 1966

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.

40718

769634

STATE OF MONTANA,
County of Yellowstone, ss.

This instrument was filed in my office
this JAN 5 1966

at 11:50 o'clock A M.

By [Signature]
County Clerk & Recorder

[Signature]
Deputy

STATE WATER CONSERVATION BOARD
JAN 7 1966

Billie	McDermott
Buttorn	McNulty
Coyle	Morton
Darlington	Sullivan
Pickett	

File No.....

ORIGINAL

T...N...R.26.E...

County Yellowstone

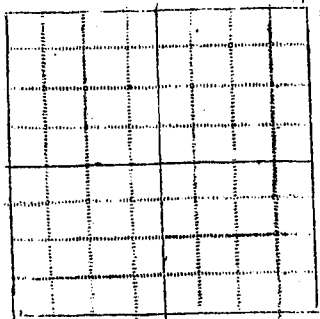
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

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

1. ROLAND W. VAIL -----, of 8075 Hawthorne -----, 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:



SE ----- Sec. 14 T. 14 R. 26 E
Indicate point of appropriation
and place of use, if possible.
Each small square represents
10 acres.

2. The beneficial use on which the claim is based
HOUSEHOLD USE -----
3. Date or approximate date of earliest beneficial
use; and how continuous the use has been -----
1944 -----
4. The amount of groundwater claimed (in miner's
inches or gallons per minute) -----
not available -----
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 -----
pressure system -----

7. The date of commencement and completion of the construction of the well, wells,
or other works for withdrawal of groundwater -----
1944 -----

8. The depth of water table -----
26 ft -----

9. So far as it may be available, the type, size and depth of each well or the gen-
eral specifications of any other works for the withdrawal of groundwater -----
deep well with tiled casing -----

10. The estimated amount of groundwater withdrawn each year -----
8000 gal -----

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

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

Signature of Owner -----
Date -----
Roland W. Vail
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 & Recorder; Duplicate to the State Engineer; Triplicate
to the Montana Bureau of Mines and Geology, and Quaduplicate for the appropriator

721555

STATE OF MONTANA,
County of Yellowstone,
This instrument was filed in my office
this 24 day of SEP 1963
at 10:57 o'clock A.M.
By [Signature] County Clerk & Recorder
Deputy

2.00

53,977