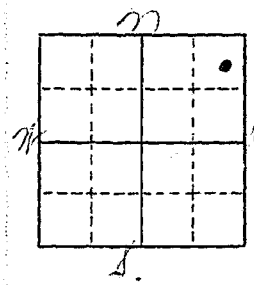
Form No. 18
8-60

T. 1N R. 27E

County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
STATE ENGINEER



Water Well Log

Owner Alfred & Alice Replogle Address RFD

Driller Edmund Brothers Address Rt 2

Date Started Aug 12 1961 Date Completed Aug 15 1961

Location: Sec. 19 T. 1N R. 27E ¼ sec. NW of 19

Type of well None (Dug, driven, or drilled) Equipment used Steel hammer (Churn, drill, rotary, other)

Water use: Domestic [✓] Municipal [ ] Stock [✓] Irrigation [ ]
Industrial [ ] Drainage [ ] Other

Casing: 40 ft. to ft. Type galvanized Size 2"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

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

Type of screen or perforations None

Static water level, for non-flowing well: 30-foot feet.

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

Pumping water level 40 feet at 25 gal. per min. none

How tested: Bailed air

Length of test 5 hrs

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

None

(over)

Log of Well

Depth feet		Description of Material Drilled
From	To	
Surface	12	Sandy loam
12	36	Silt
36	40	Hard Clay
40	48	Sand &

GW-4

File No.....

DUPLICATE

T 1 N R 27 E

County Yellowstone

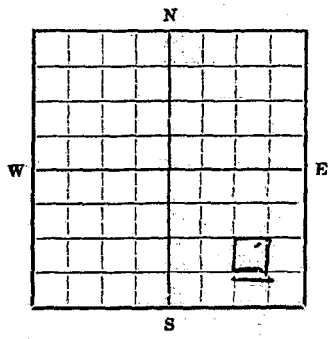
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Margaret J. Trask, of 530 Avenue D, Billings, Montana
(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:



NW¼ of the SE¼ of the SE ¼ of Sec 19 T 1 R 27 E

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

2. The beneficial use on which the claim is based watering stock and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been xxxx and an indeterminate period of years before

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 small garden in blocked off ten acres

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

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

8. The depth of water table unknown—approximately 90 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater unknown—Approx. 6" casing. Probably a dug well—approx. 90 feet. (May have been drilled later)

10. The estimated amount of groundwater withdrawn each year unknown

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

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

Signature of Owner [signature]

Date December 28 1963

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

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

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

16153

721144

DEC 30 1963

9:39 A

Deputy

GW

File No.

DUPLICATE

T. 1N R. 27E

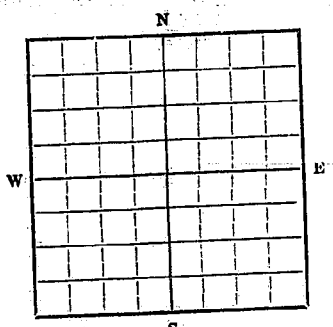
County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Carm Hampton (Name of Appropriator), of Route # 2 (Address) - Billings (Town)
County of Yellowstone State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



E½SE¼ Sec. 17

NE 1/4 NE¼ Sec 26 T. 1N R. 27E

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 + Household use -

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July - 1 - 1961 - Used Daily since that date

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commencement - June - 1 - 1961 Completion - June - 23 - 1961

8. The depth of water table 6.6'

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 well Size 4" Depth - 87' 9"

10. The estimated amount of groundwater withdrawn each year 55,000 gallons per yr -

11. The log of formations encountered in the drilling of each well if available 23' sand & lead stones - 48' Clay, 7' sand to 87' then hit bedrock -

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 Lot 8 - Block 1 - Fairfield Estates East Frontage of 40' Hwy - by south Billings on the north side of lot located in Yellowstone County & recorded in the courthouse

Signature of Owner Carm Hampton

Date June - 18 - 68

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.

709133

STATE OF MONTANA } ss.
County of Yellowstone }

This instrument was filed in my office
this JUN 18 1963 day of _____ 19____
at 120 o'clock P M.

R. A. Mikelson, Acting County Clerk & Recorder

By _____ Deputy

GW

File No.

DUPLICATE

T. 1 N. R. 27 E. M.P.M.

County Yellowstone

20

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

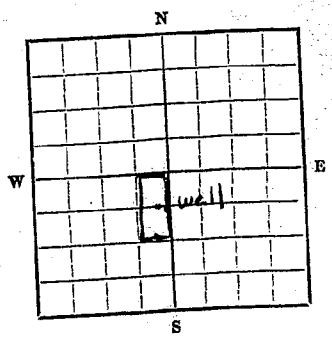
RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harriet J. and Joe Josephson (Name of Appropriator), of 3604 Old Hardin Rd, Billings (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:



E½ of NE¼ of the SW ¼ of Sec. 20, T. 1 N., R. 27 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, garden, household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuously since winter of 1958. (well was drilled)

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gal. per minute (tested for four hours)

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 small garden plat & meadow (2-3 acres) next to house in E½ of NE¼ of the SW¼ of Sec. 20, Township 1 North; Range 27 East, M.P.M.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump. Well as located on plat herein.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater well completed in ~~winter~~ of 1958. (~~started 12/16/59~~ ~~completed 1/16/~~ spring

8. The depth of water table Pumping level 63 feet--static level 53

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; Blk steel 6" O.D. Casing perforated at 90 feet & casing extends to 119 feet. Note: well drilled to 380 feet to attempt to find other water level, which is in vicinity--much better. But filled back to 110 feet)

10. The estimated amount of groundwater withdrawn each year unknown; stock feed yard, etc.

11. The log of formations encountered in the drilling of each well if available 0-1', Top; 1-35' brown sticky shale; 35-60 soft sandy shale; 60-87 sand; 87-92 gravel & sand (15 gal. per min.) 92-118 Sandy shale; 118-126 dark shale; 126-132 sand rock; (water @ 3 gal. per min) 132-190' dark shale; 190-228'-sandy shale; 228-230' sand rock & water 1 gal. per min; 232'-282 dark shale (small amt of water at 263'-- log below 263' ~~Give other information of a similar nature as may be required in carrying out the policy of this act, including reference to book and page of any county records~~

unknown--Leroy E. Johnson, driller.

Signature of Owner

Date December 28, 1963

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

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

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

16151

721142

STATE OF MONTANA
County of Flathead

This instrument was filed for record
DEC 30 1963
this day of 19
at 9:37 o'clock A M.
Edwin S. Redding,
County Clerk & Recorder
By Jau Deputy
200

File No. ..... STATE WATER CONSERVATION BOARD

JUL 19 1967

T. 1 N R. 27 E

County Yellowstone

DUPLICATE

Billo ..... McDermott ..... © STATE OF MONTANA
Butcher ..... McNally ..... ADMINISTRATOR OF GROUNDWATER CODE
Cole ..... Morris ..... OFFICE OF STATE ENGINEER
Darlington ..... Sullivan .....

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

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner EUGENE SPEER Address 634 STARLITE DR. BILLINGS

Driller CLYDE SANDO Address 1141 KILES AVE, BILLINGS

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

Date well started May 21, 1967 Date Completed May 26, 1967

Type of well DRILLED (dug, driven, bored or drilled) Equipment Used CABLE (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.

water at 85 ft.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
12"	10" galv.	0'	120'	stamped 1/4"	0	20

110 ft.

9 ft

119' bottom

Static Water Level for non-flowing Well 60 feet.

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

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

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

How Tested Bailer Length of Test 60 min.

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) .....

N
W E
S

SW ¼ Sec. 22 T. 1 N R. 27 E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.
Lot 7-B, Blk 2, Emerald Hills Sub acreage tracts
Show exact depth of bottom.

2
Driller's License Number

Clyde Sando
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.

42,160

802673

STATE
County

This instrument was filed in my office
this JUL 18 1967 19
at 11:04 o'clock A M.
MAE HOFF, ACTING
County Clerk and Ex-Officio Auditor
By Deputy

GAZETTE PRINTING CO.

(Pen)

File No. RECEIVED

DUPLICATE JUN 6 1972

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

T. 1 North R. 27 East MPM

County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 6-6-72

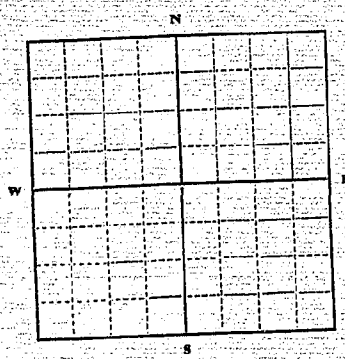
Owner Joe Steffen Address Box 1 Lewis
Arlene K. Steffen

Contractor (if any) None

Address of Contractor

Date Started 5-26-72 Date Completed

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



NW 1/4 of SW 1/4 Sec. 22 T. 1 N. R. 27 E. MPM

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. for watering horses & irrigating

Signature of Owner Joe Steffen
Arlene K. Steffen
Date 6-6-72

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

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

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

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

Doc. No. 908720
Filed for record
this 5th day of June
A. D. 19 72, at 12:50
o'clock P. M.

50,532

908720

Sam W. Mitchell Building
Helena, Montana 59601

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your ground-water right.

Special Instructions: Please provide the missing information as indicated in red on the attached form.

NOTE: Underlined springs are usually considered surface water and are therefore appropriated in an entirely different manner.

Thank you.

Sent on
9/15/80

STATE OF MONTANA
County of Yellowstone
Filed for record this JUN 5
12:50
Deputy

Joe Steffes 59102
Address 801 Lewis Ave Billings, Mt.
Location T. 1N R. 22E Sec. 32
Doc. No. 908720

GV

File No. .....

T 1 N R 27 E

DUPLICATE

County Yellowstone

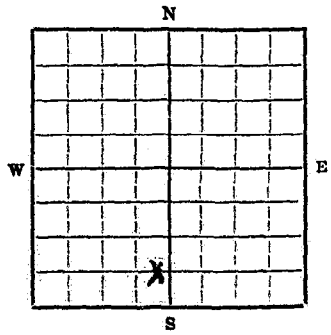
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John + Joe Herren (Name of Appropriator), of Box 1762 (Address) Billings (Town)
County of Yellowstone State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.E 1/4 S.W. Sec 25 T 1 N R 27 E

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1947 - continuous

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1947

8. The depth of water table 30 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 unknown

10. The estimated amount of groundwater withdrawn each year unknown

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

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

Signature of Owner Joe Herren

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.

16314

721353

STATE OF NORTH ASIA
County of [illegible]

This instrument was [illegible] in my office
this DEC 30 1968
4:30 [illegible]

[illegible]
County Clerk

By [illegible]

GW

File No.

DUPLICATE

T. 1 N. R. 27 E. 25

County Yellowstone

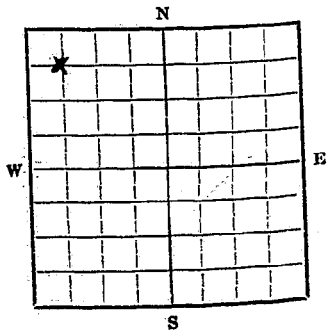
RECEIVED DEC 30 1963 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John & Joe Hersen (Name of Appropriator), of Box 1762 (Address) Billings (Town) County of Yellowstone State of Mont. have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW ¼ NW Sec 25 T 1 N R 27 E

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

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

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

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

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

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

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

8. The depth of water table 380

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

10. The estimated amount of groundwater withdrawn each year unknown

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

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

Signature of Owner Joe Hersen

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.

16310

721349

STATE OF MONTANA
County of Yellowstone ss.

This instrument was filed in my office
this DEC 30 1968 19
at 4:26 o'clock P M

Eleanor S. Redding
County Clerk & Recorder

By Sue Y. Deputy

RECEIVED

MAY 9 1973

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Yellowstone

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

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 Ben Nuckings

Address Rte 2 Emerald Hills
Billings Mont. 59101

Date well started 5-5-73

completed 5-7-73

For Administrator's Use	
File	933629
	May 8, 1973
GW 1	4:10 pm

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

Equipment used CABLE (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

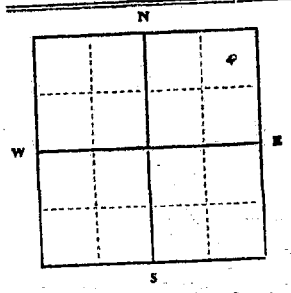
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 500,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	3" Supree	0	15			



Static water level 75 ft.*
Pumping water level ft.*
at 1 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)

¼ ¼ Sec. 27
T. 1 N R. 27 E
S W

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

Driller's Signature

Driller's Address 1552 Dickie Rt. 2
Billings Mont. 59101 LICENSE NO. 2

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)	
		DEEPENED OLD WELL FROM
100	119	fine sandstone

117½ Show exact depth of bottom

53,105

933629

STATE OF MONTANA } ss.
County of Yellowstone }
This instrument was filed in my office
this MAY 8 1973 19
at 4:10 P. M.
Clerk and Recorder
By D. Burnham Deputy
Fee

File No. GW2

DUPLICATE

STATE WATER CONSERVATION BOARD

JAN 4 1967

T. 1 N R. 27 E

County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

Soil
Gray Sandstone
45'
Gray Shale
Gray Sandstone
80'
Blue Shale
145
gray sandstone
125 water
28 Dark Brown Sandstone
gray Sandstone
Lime stone
150'

Owner THOMAS A. JOHNSTON Address 3016 11TH NO. BILLINGS

Driller R. D. Toland Address Box 116 Belfry

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

Date well started Dec. 1, 1966 Date Completed Dec. 18, 1966

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7 in	7 O.D. 23 lb	0'	122'	None		

Static Water Level for non-flowing Well 105 feet.

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

Pumping Water Level 145 feet at 5 gal. per minute.

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

How Tested Bailed Length of Test 2 hrs

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

NW 1/4 Sec. 27 T. 1 N R. 27 E

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

Show exact depth of bottom.

139
Driller's License Number

Russell R. Toland
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.

41593

791014

STATE OF MONTANA, }
County of Yellowstone, }

This instrument was filed in my office
this JAN 3 1967 day of _____ 19__
at 12:30 o'clock PM.

Edwin S. Redding,
County Clerk & Recorder

By _____ Deputy

GW 2

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

T. 1 N R. 27 E.

File No.

County YELLOWSTONE

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 15 1964

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

Owner Clyde Sando Address 1141 Miles Ave. Billings, Mont.

Driller Clyde Sando Address same

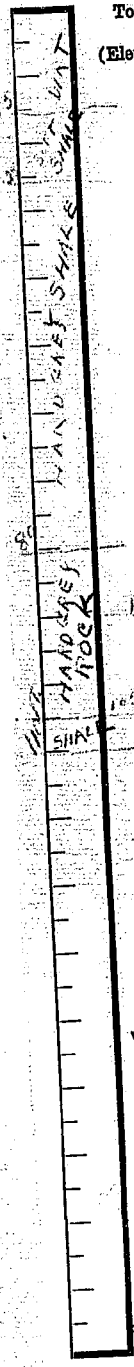
Date of Notice of Appropriation of Groundwater January 13, 1964

Date well started Dec. 31, 1963 Date Completed Jan. 11, 1964

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

Water Use: Domestic [X] 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)
12 inch	12" 45lb.	0	27ft.	None		

Static Water Level for non-flowing Well 75 feet.

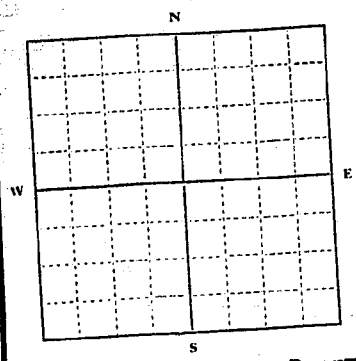
Shut-in Pressure for Flowing Well

Pumping Water Level 90 feet at 50 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailed Length of Test 2hrs.

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)



.....¼ Sec. 27 T. 1N R. 27E

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

Lot 10, Blk 2, of Emerald Hills Sub.

Show exact depth of bottom.

Driller's License Number

Clyde Sando
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.

33216

722635

STATE OF MONTANA }
County of Yellowstone, } ss.

This instrument was filed in my office
this JAN 1 P 1964 day of 19
at 1:40 o'clock P M.

Nelson C. Redding,
County Clerk & Recorder

By [illegible] Deputy

$2.00

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

GW-

File No.

T. 1N R. 27

County Yellowstone

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

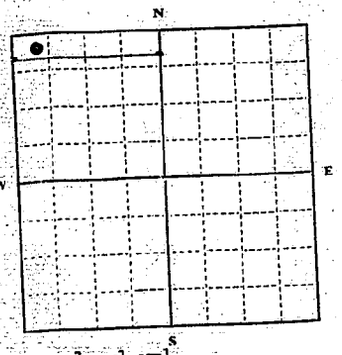
RECEIVED DEC 30 1963 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Wm. C. Darby (Name of Appropriator), of Billings, (Address) Montana (Town)

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



N½ NW¼ NE¼ ¼ Sec. 29 T 1N R. 27

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935 Off and on as water was needed. More will be used as time goes on especially in the summer months.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater As far as can be determined it was drilled and completed in [redacted] 1935.

8. The depth of water table 25 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 60 foot depth with 3 inch pipe.

10. The estimated amount of groundwater withdrawn each year 18,000 gallons per year

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

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

Signature of Owner Wm. C. Darby

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

16236

721248

STATE OF MONTANA, }
County of Yellowstone, } ss.

This instrument was filed in my office
this DEC 30 1948
at 1:19 P M.

Clerk and
Ex-Officio Recorder

Deputy

GW-4

File No.

DUPLICATE

T 1N R 27 29

County Yellowstone

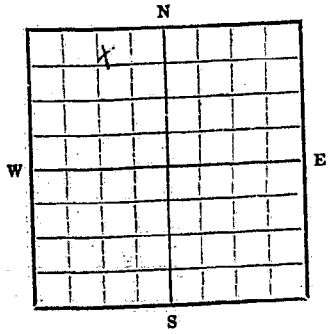
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. P. M. Like (Name of Appropriator), Box 1 Box 1 (Address) Billings (Town)
County of Yellowstone State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



E½NW¼ Sec. 29 T1N R 27
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

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

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

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1930

8. The depth of water table

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
Drilled well - 6 in Casing

10. The estimated amount of groundwater withdrawn each year 350,400

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 P. M. Like

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 School of Mines and Quadruplicate for the Appropriator.

13301

721531

STATE OF MONTANA, }
County of Yellowstone, } ss.

This instrument was filed in my office
this DEC 21 1983 19
at 10:31 o'clock A M.

Clerk and Recorder

Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED JUL 2 1973 MONTANA WATER RESOURCES BOARD

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 .....

For Administrator's Use
File 135315
6-29-73
GW 1 11:42 a.m.

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

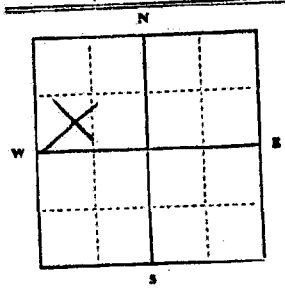
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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 200,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
	4			4		



Static water level .....ft.*
Pumping water level .....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) .....

SW¼ NW¼ Sec. 29
T. 1 N/S R. 27 E/W

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

Driller's Signature .....

Driller's Address .....

..... LICENSE NO.....

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	23	[illegible]
23	75	[illegible]
75	155	[illegible]
155	200	[illegible]
200	260	[illegible]

_____ Show exact depth of bottom

55112

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

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 .....

For Administrator's Use
File 135515
6-24-73
GW 1 11:42 A.M.

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

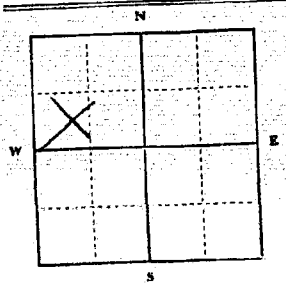
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 200,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)



Static water level .....ft.*
Pumping water level .....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) .....

SW 1/4 NW 1/4 Sec. 29
T. 1 N/S R. 27 E/W

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

Driller's Signature .....

Driller's Address .....

..... LICENSE NO.....

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)	

_____ Show exact depth of bottom

55112

938315

STATE OF MONTANA, } ss.
County of Yellowstone, }
This instrument was filed in my office
this _____ day of JUN 29 1961
at 11:42 o'clock A M.
MERRILL H. KLUNDT
County Clerk & Recorder
By J Sullivan Deputy
2.00

GW 1

File No. ..... T. 1 N R. 27 E

DUPLICATE County .....

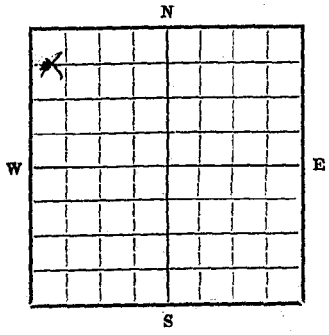
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED DEC 30 1963 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ira Finley (Name of Appropriator), of A2 Billings (Address) (Town)
County of Yellowstone State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 30 T. 1N R. 27

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been About 1910, but has been used the last 10 yrs

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Couldn't pump it dry

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Don't Know

8. The depth of water table about 60 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 6½ in — 60 ft

10. The estimated amount of groundwater withdrawn each year Don't Know

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 Ira Finley

Date Dec 26-1963

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.

16263

72128

STATE OF MONTANA
County of Yellowstone ss.

This instrument was filed in my office
this DEC 2 1953
at 2:47 o'clock P M.

County Clerk & Recorder

By G.L.S. Deputy

$2.00

GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
OCT 18 1972
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

YELLOWSTONE COUNTY, MONTANA
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 Walt Frieda Altmaier

Address 215 Greenwood Lane

Billings Mont

Date well started 9/14/72

completed 9/16/72

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

Equipment used CABLE (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

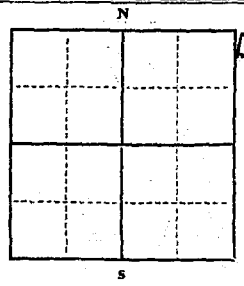
*Describe

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

For Administrator's Use	
File	918695
	Oct. 12, 1972 2:00 P.M.
GW 1	

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7"	6 5/8 17-87	0	95	Cut 1/8	80	93



Static water level 45 ft.*

Pumping water level 43 ft.*

at 20 gallons per minute, measured 60 minutes after pumping began.

*Measured from ground level.

Well developed by BAILER for 5 hours.

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

Remarks: (Gravel packing, cementing, packers, type of shutoff) GRAVEL PACKED PIPE EXT 2' ABOVE GROUND DRIVE SHOE USED

NW ¼ SW ¼ Sec. 30 R.W.

T. 1 (N/S) R. 27 (E/W)

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

Driller's Signature L+D DRILLING

Driller's Address 1035 WINE MILLER LANE

Billings Mont LICENSE NO. 188

Don R Langer

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	TOP SOIL
2	53	SANDY CLAY
53	76	CLAY
76	80	FINE SAND
80	95	SAND - GRAVEL
		WATER FROM 76' TO 95'
		40 GAL PER MIN

95 Show exact depth of bottom

51,632

918695

Sam W. Mitchell Building
Helena, Montana 59601

STATE OF MONTANA
Water Resources Division
Water Rights Bureau
Water Court Office

OCT 17 1972

3.00

Location T. 17 R. 27E Sec. 30 59101
Doc. No. 918695

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your ground-water right.

Special Instructions:

Please provide, as indicated in red on the attached form, the location of the township - either 1 North or 1 South.

Thank you.

Yellowstone
County

OCT 18 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: Wm + Frieda Altmaier
Address: 215 Greenwood Ave
Billings Mont
Date well started: 9/14/72
completed: 9/16/72
Type of well: DRILLED (Dug, driven, bored or drilled)
Equipment used: CABLE (Churn drill, rotary or other)

For Administrator's Use
File 918695
Oct. 12, 1972 2:00 P.M.
GW 1

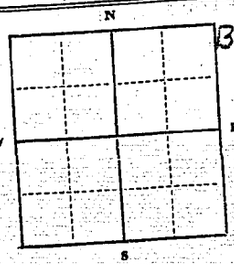
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7"	6 5/8 17-87	0	95	cut 1/8	80	93

RECEIVED OCT 1972



Static water level 45 ft.*
Pumping water level 73 ft.*
at 40 gallons per minute, measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by BAILER
for 3 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) GRAVEL PACKED
PURPOSE FOR ABOVE GROUND DRIVE SHOE USED

B41-72

NW ¼ SW ¼ Sec. 30
T. 1 N R. 27 E

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

Driller's Signature: L+D. DRILLING
Driller's Address: 1035 WINE MILLER LANE
BILLINGS MONT LICENSE NO. 188

Top of Ground (Elev. above sea level)

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.

From (Feet)	To (Feet)	
0	2	TOP SOIL
2	53	SANDY CLAY
53	76	CLAY
76	80	FINE SAND
80	95	SAND - GRAVEL
		WATER FROM 76' TO 95'
		120 GAL PER MIN

95 Show exact depth of bottom

51,632

Approved Stock Form—State Publishing Co., Helena, Montana—3900

GW 2

File No. 689995 Filed 8-21-62 @ 8:40 Am #2 02 Lic Pd

T. 1N R. 27E

County Yellowstone

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED AUG 22 1962 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 approx 3119)

10 Sandy clay
20
30 Sand quick sand
40
50
60 clay 61' Bottom

Owner Ralph Kirkpatrick Address Billings Mont

Driller Lorin H Kircher Address Billings Mont

Date of Notice of Appropriation of Groundwater

Date well started 7-23-62 Date Completed 7-24-62

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

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

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" 20 ga galv	0	61	4 x 3' Slots	47	61

Static Water Level for non-flowing Well 24' 6" feet.

Shut-in Pressure for Flowing Well NOT Flowing

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

Discharge in gal. per min. of flowing well NOT Flowing

How Tested 4" x 25' Bailer Length of Test 3 Hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) None

N
W E
S

Lot 1 & 2 Sec. 30 T. 1N R. 27E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.
Certificate of Land ...
Show exact depth of bottom.

#75
Driller's License Number

Lorin H Kircher
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.

1999

Approved Stock Form, State Publishing Co., Helena, Montana—39089

File No.....

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

County.....

TRIPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

935304
6-29-73
11-31H.M.

Date of Appropriation of Groundwater 1959

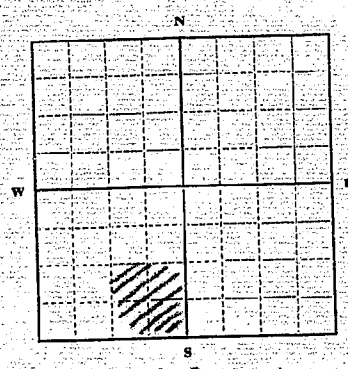
Owner Robert C Nelson Address 2921 Dry Gulch Rd

Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. THIS IS A SPRING & HAS A POND 20' ACROSS.



SE 1/4 SW Sec. 30 T. 1N R. 27E

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

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

Signature of Owner [signature]

Date 29 June 73

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

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

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

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

55182

938304

STATE OF MONTANA, } ss.
County of Yellowstone,
This instrument was filed in my office
JUN 28 1973 day of _____ 19__
at 11:31 o'clock _____ M.
MARY ELLEN JONES
County Clerk & Recorder
By Jall Deputy
2c

GW-4

File No.....

DUPLICATE

T 1 N R 27 E 30

County Yellowstone

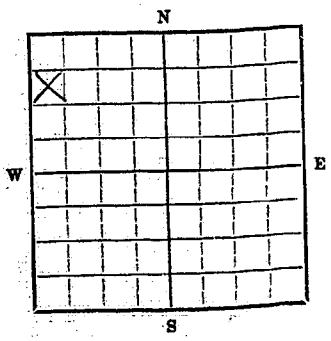
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Richard Popelka, of 832 Lake Elmo Dr. 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:



Certificate of Sur 920 Tract 3
NW 1/4 NW Sec.30 T1N R27E

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

2. The beneficial use on which the claim is based
Watering livestock and domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
February 1, 1952—continuous

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

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 February 1, 1952

8. The depth of water table 20 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
8" casing 57' deep 47' of water—drilled well

10. The estimated amount of groundwater withdrawn each year approx. 100,000

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 None to my knowledge.

Signature of Owner Richard Popelka
Date 12-30-63

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

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

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

18229

Finley

721415

STATE OF MONTANA, }
County of Yellowstone, }

This instrument was filed in my office
this DEC 30 1963 19
at 8:35 o'clock A M.

Edmon S. Redding,
County Clerk & Recorder

By _____ Deputy

$21.00

File No. GW2

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 24 1968

T. 1N R. 27E

County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0-100 shale
100-110 sand rock water at 3 gal per min
110-130 shale
130-134 sand rock
134-150 shale

Owner Betty Allen Address Billings, Mont.

Driller Sands Drilling Address Billings, Mont.

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

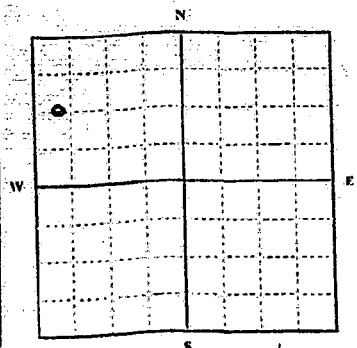
Date well started 8/8/68 Date Completed 8/11/68

Type 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)
7"	16 ga 6"	+1	150	cut	100	140



.....¼..... Sec. 31 T. 1N R. 27E

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

150'
Show exact depth of bottom.

Static Water Level for non-flowing Well 100 feet.

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

Pumping Water Level 4 or 5 feet at 3 gal. per minute.

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

How Tested Bailing Length of Test 30 minutes

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

36
Driller's License Number

Clyde McKeehan
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.

44,712

829883

STATE OF MONTANA,
County of Yellowstone, } ss.
This instrument was filed in my office
this OCT 23 1968 of _____ 19__
at 4:02 o'clock P M.

W. F. Mc Connell
County Clerk & Recorder
By _____ Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—39316

File No.....

DUPLICATE

T. 1 N R. 27 E

County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 18 1964
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 3200)

20 Clay
35 Gravel + Clay
50 Sandy clay
55 Dirty Gravel (H2O) 20 GPM
60 Heaving Sand + Gravel
65 Silty water
69 Clean Gravel (H2O) 45 GPM

Owner M. J. McFarland Address Billings

Driller Billmayer & Sons Address Billings

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

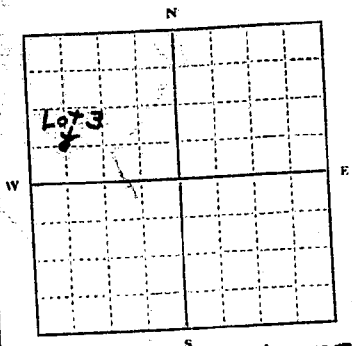
Date well started Feb 25/64 Date Completed Feb 28/64

Type of well drilled (dug, driven, bored or drilled) Equipment Used Churn (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" x 17#	Top	68.5	cutting Torch	64	67



N 1/4 W Sec. 31 T 1 N R 27 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 36 feet.

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

Pumping Water Level 46 feet at 45 gal. per minute.

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

How Tested Drilling Rig Length of Test 2 Hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) Large well Here would Produce Several hundred G.P.M.

Mont. No 5
Driller's License Number

J R Billmayer
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.

35486.

727160

STATE OF [illegible])
County of Yel[illegible]) ss.

This instrument was filed in my office
this MAR 17 1964 19
at 1:00 [illegible] P M.

[illegible]
County Clerk & Recorder

By [illegible] Deputy

2.00

GW 2

Doc. No. 885823
Filed for record
this 6 day of July
A. D. 19 71, at 1:20
o'clock P M.

File No.

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
JUL 7 1971

Approved Stock Form—State Publishing Co., Helena, Montana—39311

T. 1N R. 27E

YELLOWSTONE COUNTY, MONTANA

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.....)

70 ft clay
6' gravel
9' shale

Owner John Myers Address Billings, Mont

Driller C. E. McKeehan Address Lavina, Mont.

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

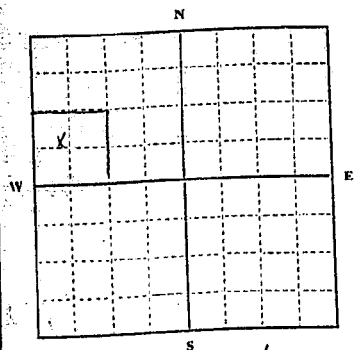
Date well started 8/1/64 Date Completed 8/4/64

Type 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" S.d. 14 lb	0	76"	cut ⅛ x 3-6"	72	75
12'	5" 18ga	74	76	—	—	—



SW¼ NW Sec. 31 T 1N R 27E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

86'
Show exact depth of bottom.

Static Water Level for non-flowing Well 61 feet.

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

Pumping Water Level 65 feet at 24 gal. per minute.

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

How Tested Bailing Length of Test 30 min

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

36
Driller's License Number

Clyde E. McKeehan
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.

48707

885823

STATE OF MONTANA, }
County of Yellowstone, } ss.
This instrument was filed in my office
this 3rd day of B 1971 19
at 1:20 o'clock P M.
MERVIN G. KLUNDT
County Clerk & Recorder
By [signature] Deputy

20

File No. ..... Doc. No. 885824
Filed for record
this 6 day of July
DUPLICATE A. D. 19 71, at 10:22
o'clock P M.

T. 1N R. 2E
YELLOWSTONE COUNTY, MONTANA
County

RECEIVED
JUL 7 1971

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner John Myers Address Blgs. Mont.

Driller L + D. DRILLING Address 1035 WINEMILLER-LANE BILLINGS MONT

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

Date well started 2/27/71 Date Completed 3/9/71

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

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

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

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

0	TOP SOIL
2	SAND-GRAVEL
28	SAND & CLAY
61	SAND-GRAVEL WATER AT 61' TO 66' 25 GAL PER MIN
66	SAND

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
11" TO 61' 7" TO 66'	6 5/8" 18-97#	0	66	CUT 1/8	60	65

Static Water Level for non-flowing Well 12 feet.

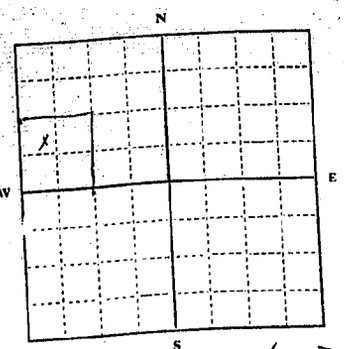
Shut-in Pressure for Flowing Well .....

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

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

How Tested BAILER Length of Test 5 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) DRIVE SHOE USED GRAVEL PACKED FROM 28' to 61'



SW 1/4 NW Sec. 31 T. 1N R. 27E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

MONT 188
Driller's License Number

Roy R. [illegible]
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.

48706

885824

STATE OF MONTANA, } ss.
County of Yellowstone, }
This instrument was filed in my office
this JUL 6 1970 day of _____ 19____
at 1:22 o'clock P.M.
MERRILL H. KLUNDT
County Clerk & Recorder
By _____ Deputy

200

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

JAN 26 1971

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 WERN SWANNE

Address HIWAY 87 BILLINGS MONTANA

Date well started 1-20-71

completed 1-23-71

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

Equipment used ROTARY (Churn drill, rotary or other)

For Administrator's Use
File 875486
January 25, 1971
3:10 P.M.
GW 1

Water Use: Domestic ☑ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind & Size	From (Feet)	To (Feet)
6¼ TO 158	10#	0	180	¼ SLOTS	158	180
4¾ TO 180	4" GALV					

County Yellowstone

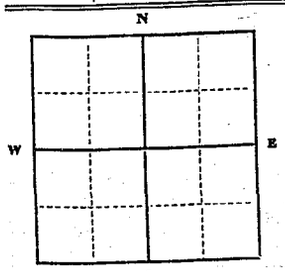
DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	30	SANDY TOP SOIL
30	110	BLUE SHALE
110	120	SANDY SHALE
120	150	BENT SANDY SHALE
150	158	BLACK SHALE
158	180	SAND
		25 GAL WATER PER MIN @ 120-150
		WATER LEVEL @ 55
		WELL FLOWED FROM 170-180

180 Show exact depth of bottom



Static water level NA ft.*
Pumping water level NA ft.*
at 3 gallons per minute,
measured N.A. minutes after pumping began.
*Measured from ground level.
Well developed by FLOWING
for 24 hours.
Power NA Pump N.A. HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) PACKERS @ 158
140 CEMENTED
TOP PACKER

T. 1 S. N. R. 27 E. W. Sec. 31 NE¼ SE¼

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

Driller's Signature J. G. Bar

Driller's Address 420 SIOUX LANE
BILLINGS MONT LICENSE NO. 197

875486

STATE OF MONTANA, } ss.
County of Yellowstone,
This instrument was filed in my office
this JAN 25 1971 day of _____ 19____
at 3:10 o'clock P M.
MURNIE [illegible]
County Clerk [illegible]
By _____ Deputy

RECEIVED

JUL 20 1972

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

File No. .....

T. 1N R. 27

County Yellowstone

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner T. F. Benes Address Billings Mont 3143 Prairie Drive

Driller Digger Drlg Address 3143 Prairie Drive Billings Mont

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

Date well started 11-19-71 Date Completed 6-16-72

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

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

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

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

Glassy shale
— 120
Bent & shale
— 280
Eagle sandstone
— 420

Water @ 120
Unfit for use

Water @ 300
To 420

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	Perforations Kind Size	From (Feet)	To (Feet)
6 3/4	10" 4 1/2"	14	400	Wall scraper	390	400
				1/8" perf.	370	39

Static Water Level for non-flowing Well 80 feet.

Shut-in Pressure for Flowing Well N.A.

Pumping Water Level 350 feet at 5 gal. per minute.

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

How Tested Pump Length of Test 8 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) Packers @ 200 150-120 Bentonite Seal to 8 ft. Cement on top

N
W E
S

SW 1/4 NW Sec 32 T 1N R 27E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom. 420

Doc. No. 911985

Filed for record this 19th day of July A.D. 19 72, at 3:00 o'clock P.M.

177
Driller's License Number

T. F. Benes
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.

50,963

911985

Form No. 18
8-60

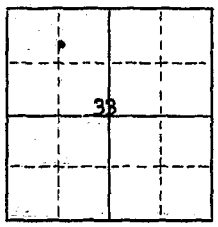
T. 1N R. 27E

County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
DEC 23 1991
STATE ENGINEER

Water Well Log



Owner Harold Ruth & L. R. Aldrich, Jr. Address Billings, Montana

Driller Western Drilling & Exploration Co., Inc. Address Billings, Montana

Date Started November 1960 Date Completed December 1960

Location: Sec. 33 T. 1N R. 26E ¼ sec Approx. NE¼, NW¼

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

Water use: Domestic [x] Municipal [ ] Stock [x] Irrigation [x]

Industrial [ ] Drainage [ ] Other

Casing: 0 ft. to 846 ft. Type Iron Size 5" inside dimension

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or screened: approx. Ft. 800 to ft. 846. Ft. to ft.

Type of screen or perforations fine screen

Static water level, for non-flowing well: at 300 foot level feet.

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

Pumping water level 500 feet at 12 gal. per min.

How tested: Myers Submersible Pump

Length of test 74 hours

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	Log available from Western Drilling & Exploration Company, Inc.
		P. O. Box 1216, Billings, Montana

GW-1

File No.

DUPLICATE

T. 1 N R. 27 E 34

County Yellowstone

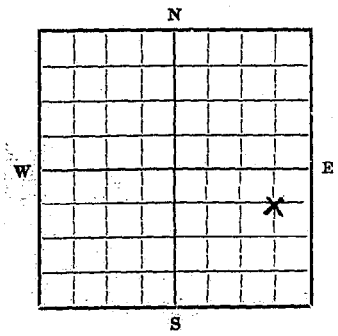
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John + Joe Herren (Name of Appropriator), of Box 1762 (Address) Billings (Town)
County of Yellowstone State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE ¼ SE Sec. 34 T. 1 N R. 27 E

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1947 continuous

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1947

8. The depth of water table 40 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 unknown

10. The estimated amount of groundwater withdrawn each year unknown

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

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

Signature of Owner Joe Herren

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.

16311

721350

STATE OF [illegible]
County of [illegible] ss.

This [illegible] my office
this DEC 30 1963 19
at 4:27 [illegible] M.

[illegible] Redline,
County Clerk & Recorder

By [illegible] Deputy

GW2

File No. .....

DUPLICATE

STATE WATER CONSERVATION BOARD

JUL 5 1967

T. 1N R. 27E

County Yellowstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Bills ..... McDermott
Butcher ..... Kelly
Cooney ..... Morris
Dickson ..... Sullivan
Dickert .....

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

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner BEN HUCKENS Address .....

Driller CLYDE SANDO Address 1141 MILES AVE. BILLINGS

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

Date well started May 29-1967 Date Completed June 2-1967

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

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

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.

SHALE
70'
SAND
85' water
87'
GREY SHALE ROCK
100' bottom

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	6" galv.	0'	102'	1/4" SLOTS	70'	100'

Static Water Level for non-flowing Well 65 feet.

Shut-in Pressure for Flowing Well NOT APPLY

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

Discharge in gal. per min. of flowing well NOT APPLY

How Tested BAILER Length of Test 60 minutes

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

N
W E

Lot 15, Block 8 Emmert Addition

.....¼..... Sec..... T..... R.....

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

Show exact depth of bottom.

2
Driller's License Number

Clyde Sando
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.

42 116

801737

STATE OF MONTANA, } ss.
County of Yellowstone,

This instrument was filed in my office
this 30 day JUN 1967 19
at 4:50 o'clock P M.

Edmond Spaulding,
County Clerk & Recorder

By [illegible] Deputy

GROUNDWATER INDEX

County Yellowstone Twp. 1 N Rge. 28 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
3	Barkemeyer, Ralph	1957 Well Log		
18	Collins, Stanley F.	GW 4	720687	
24	Bradstreet, Don & Florence	GW 2	938483	
24	Bradstreet, Donald D.	GW 4	721753	
27	Mahan, Sam	1957 Well Log		
28	Bradstreet, Donald D.	GW 4	721753	See Sec. 24 above
29	Roberts, A. S.	1957 Well Log		
32	Roberts, A. S.	1957 Well Log		
35	Logan, Stan G.	GW 2	865857	
36	Orthmayer, Mark	GW 2	789113	
34	Georgia Blake	GW 3	938584	
35	" "	"	938568	

T. 1 N R. 28 E

County Yellowstone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
OCT 10 1961
STATE ENGINEER

WATER WELL LOG

Owner Ralph Barkmeyer Address Huntley Mont

Driller Leroy E Johnson Address 1145 Lynn Ave

Date Started Aug 8, 1961 Date Completed Aug 11, 1961

Location: Sec. 3 T. 1 N R. 28 E ¼ sec. SE

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 30 ½ ft. to 39 ½ ft. Type Steel Size 8" surface pipe

Casing: 96 ft. to 90 ft. Type Shut nuted Size 6"

Casing: ft. to ft. Type Size

Perforated or ~~Screened~~: Ft. 18 ft to ft. from 72 Ft. 90 to ft.

Type of ~~screen~~ or perforations factory made

Static Water level, for non-flowing well: 40 ft from grade feet.

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

Pumping water level 50 feet at 18 gal. per min.

How tested: Bailer

Length of test 4 hrs.

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	1	Top soil
1	22	Yellow Clay
22	25	Broken Sand rock
25	42	Gray Shale
42	45	Hard rock
45	60	Brown Sand Rock
60	68	Soft Blue shale
68	85	Coarse light gray sand rock
85	90	Blue shale