

File No.

T. 13 N. R. 20 W.

DUPLICATE

RECEIVED
DEC 30 1968

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
Approx.
(Elev. above sea level 3150')

**Notice of Completion of Groundwater
Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

- 0 - 1 Topsoil
- 1 - 14 Sand, gravel, cobblestones and tan clay mixed
- 14 - 39 Fine silty sand. Few scattered gravels. Some water.
- 39 - 44 Tan clay with some gravel imbedded.
- 44 - 64 Silty sand. Few scattered gravels. Water.
- 64 - 67 Fine sand and gravel. Water.
- 67 - 69 Clean coarse gravel. Good water.

Owner Donald L. Puyear Address Rt # 1 1004 Comc Drive Missoula, Montana

Driller Liberty Drilling Co Address Missoula, Montana

Date of Notice of Appropriation of Groundwater None filed

Date well started 9/14/62 Date Completed 9/24/62

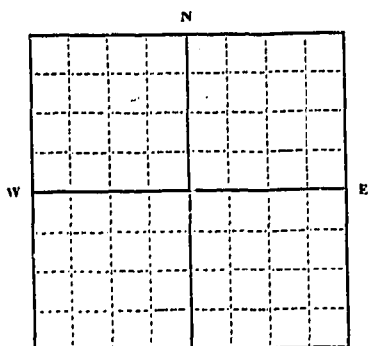
Type of well Drilled Equipment Used Cable tools
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

Water rises to 5'11" from surface.

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 in	6 5/8" OD X 19 # per foot	4 1/2'	69'	None		



1/4 Sec. 25 T13N R.20W
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Lot 7 Block 1 Schwandt Addition.
Show exact depth of bottom. Orchard Homes
Missoula, Mont.

Bottom of well 69'.

Static Water Level for non-flowing Well 5'11" feet.
Shut-in Pressure for Flowing Well Non-flowing
Pumping Water Level 26 feet at 70 gal. per minute.
Discharge in gal. per min. of flowing well Non-flowing
How Tested Air lift pump 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) Forged steel drive shoe welded to the bottom of the six inch casing. All water is entering well through the open bottom of the six inch casing.

Two lots irrigated (large).

52
Driller's License Number
William F. Colvane
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.

655 215034

I received and filed this instrument for
record on the 27th day of Dec 1963
at 11:15 o'clock A.M., permanent place
of Missoula County, State of Montana:
Witness my hand:
MARRIEN S. BECHNER, County Recorder
By Chas. J. ... Deputy
Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDS DEPARTMENT
MISSOULA, MONTANA

Doc. No. 305971
 Filed for record
 this 3 day of August
 File No. A-D-19-71, at MISSOULA WATER RESOURCES BOARD
RECEIVED
 at 2 o'clock P.M.
 DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—45642
 T. 13 R. 20 25
 County Miss.

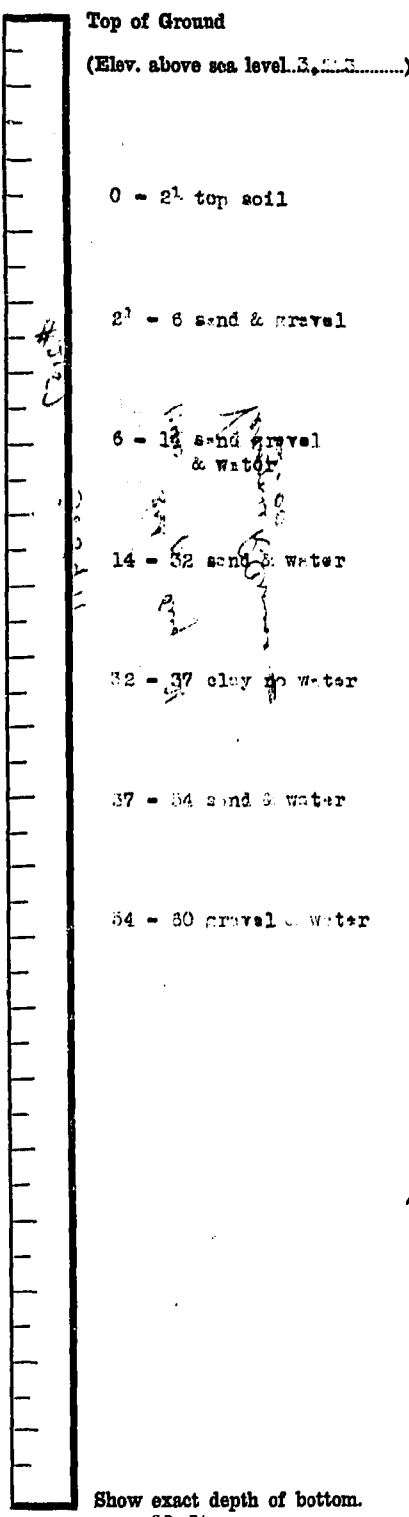
AUG 6 1971

LOG

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
 Appropriation by Means of Well
 DEVELOPED AFTER JANUARY 1, 1962

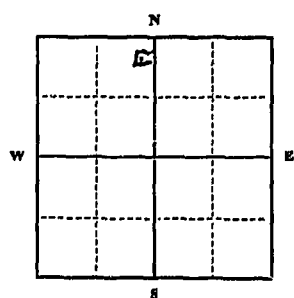
(Under Chapter 237, Montana Session Laws, 1961)



Owner Arvin D. Rasmussen Address 1037 Core Drive Miss.
 Driller Harold K. Pickens Address 3504 So. Hwy. Miss.
 Date of Notice of appropriation of groundwater.....
 Date well started 3/10/55 Date completed 3/16/55
 Type of well driven Equipment used cable tool
 (Dug, driven, bored or drilled) (Churn drill, rotary or other)
 Water use: Domestic Municipal Stock Irrigation
 Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 inch	4 I.D. 1 1/2" per ft.	0	60	x 1"	60	55



Static Water Level for non-flowing well 4 1/2 ft. of top feet.
 Shut-in Pressure for Flowing Well.....
 Pumping Water Level 3 ft. of top feet
 at 35 gal. per minute.
 Discharge in gal. per min. of flowing well.....
 How Tested COMPRESSOR
 Length of Test 3 1/2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff).....
 NE 1/4 Sec 25, T. 13 N, R. 20 W

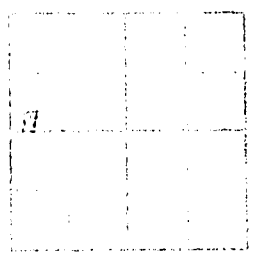
.....(Continue on reverse side)
 USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).
 Show exact depth of bottom. 60 ft.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.
 Please answer all questions. If not applicable, so state, otherwise the form will be returned.

71
 Driller's License Number
Harold K. Pickens
 Driller's Signature.
48846

#2157 305971

I received and filed this instrument for record on the 22 day of Aug 1911 at 1:40 o'clock P.M. permanent files of Missoula County, State of Montana. Witness my hand. Verano A. Circus County Recorder. By Verano R. Circus. Fee \$ 2.00 Paid



State of Montana
Missoula County
Verano A. Circus
Recorder

DUPLICATE

FILED

1911

Job of Record
1911

MISSOULA COUNTY
RECORDERS OFFICE
MISSOULA, MONTANA

File No. STATE WATER CONSERVATION BOARD

T. 13 N. R. 20 W

DUPLICATE

JAN 3 1965

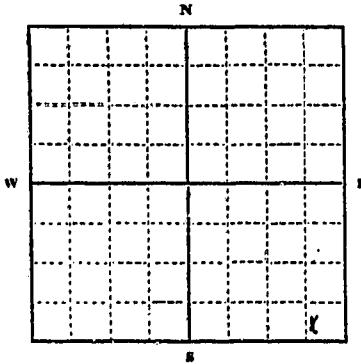
County: Miss.

Billie _____ M. D. Duff **STATE OF MONTANA**
Butcher _____ McNamee **ADMINISTRATOR OF GROUNDWATER CODE**
Cook _____ **OFFICE OF STATE ENGINEER**
Darlington _____
Dickert _____

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John Reinhard 5534 of 50th St. Ave. Missoula
(Name of Appropriator) (Address) (Town)
County of Miss. State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



W 159 Sec 25 T. 13 R. 20
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based... Home Use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 10/58 Domestic
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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 No
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1/2 H.A. T. Sec. 11 MAP 171 R.A. Sec. 11.217
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 10/55
- 8. The depth of water table 42 ft.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 in. Well 60 ft. from ground level
- 10. The estimated amount of groundwater withdrawn each year 432,000 Per Year
- 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 John Reinhard
Date Dec 30, 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

40331

1549

245462

I received and filed this instrument for
record on the 2nd day of Dec. 1945.
at 2:12 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand:
Vernon R. Cypert, County Recorder
By *Elmer J. [Signature]*, Deputy
Fee \$ 2.00 Paid Cash

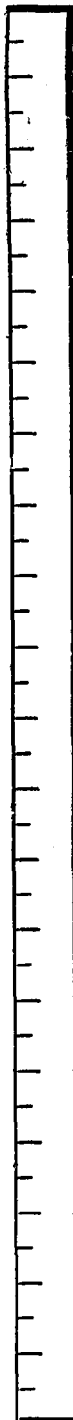
File No. _____

T. 13 N. R. 20 W. Missoula

DUPLICATE

County Missoula
STATE ENGINEER RECEIVED
APR 29 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



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

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)
Well on Tower, W. of Missoula

0 to 5' Pit

5' to 15' Clay & gravel Owner K.W. Richardson Address Orchard Homes

15' to 30' Sand, gravel, Driller Glean Camp 705 Alder Address Missoula, Montana

clay some water Date of Notice of Appropriation of Groundwater.....

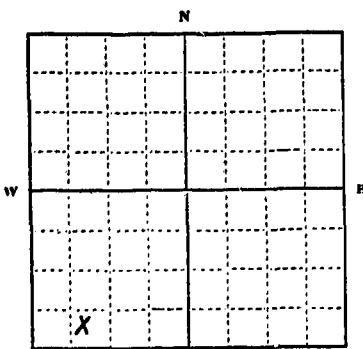
30' to 36' Sand, gravel Date well started 3/6/64 Date Completed 3/9/64

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	5" I.D. 17lbs to feet	15" above G.L. to 52'-4"		None		



Sec. 25 T. 13. R. 20. W
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 15' from G.L. feet.

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

Pumping Water Level 17' feet at 50 gal. per minute.

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

How Tested Compressor Length of Test 1 3/4 hr

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

Show exact depth of bottom.

License # 7

Driller's License Number

Glean Camp
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.

35635

1404

220608

Copy

I received and filed this instrument for
record on the 22nd day of April, 1964
at 5:10 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By [Signature] Deputy
Fee \$2.00 Paid

File No. _____

RECEIVED

T. 13K R. 20W 25

DUPLICATE

NOV 16 1967

County Missoula

LOG _____

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

0	top soil
2	
2	tan clay, sand and gravel
15	
13	surface water, sand and scattered gravel
31	
31	tan clay, sand and gravel
36	
36	water and heaving sand
47	
47	sand, gravel and water
52	

Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1963

(Under Chapter 237, Montana Session Laws, 1961)

Owner ROBERT H. RICHARDSON Address 1012 TOLER

Driller KEN WILLIAMS Address 1219 HOWELL

Date of Notice of appropriation of groundwater _____

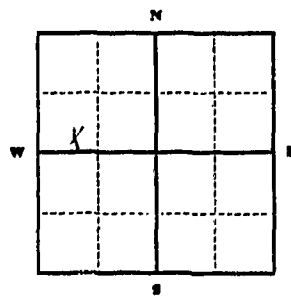
Date well started APRIL 27, 66 Date completed APRIL 29, 66

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" ID	5 1/8" O.D. 17 lbs. per ft. inside wall	ground level	50' 6"			



Static Water Level for non-flowing well 7 1/2 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 40 feet at 50 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested COMPRESSOR

Length of Test 2 hours

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

K11 1/4 Sec 25 T13K R20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Driller's License Number 151

Driller's Signature Ken Williams

42,541

1760

265757

I received and filed this instrument for record on the 14 day of Nov 1967 at 1:40 o'clock P.M. permanent files of Missoula County, State of Montana
 Witness my hand
 Veramus E. Claus, County Recorder
 By Bonetta A. Running, Deputy
 Fee \$ 2.00 paid cash

RECEIVED
 NOV 19 1967
 MISSOULA COUNTY RECORDERS OFFICE



MISSOULA COUNTY RECORDERS OFFICE
 MISSOULA, MONTANA

File No. _____

RECEIVED

T. 13N R. 20W 22

DUPLICATE

NOV 16 1967

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground Approx. _____
(Elev. above sea level 3217')

**Notice of Completion of Groundwater
Appropriation by Means of Well**
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Formations Log:

- 0 - 3 Black dirt.
- 3 - 16 Gravel & cobblestones. Some gray clay mixed in.
- 16 - 34 Fine sand.
- 34 - 36 Coarse sand, gravel & cobblestones.
- 36 - 39 Sand & gravel mixed in tan silty clay.
- 39 - 47 Fine gray sand.
- 47 - 49 Fine sand & gravel.
- 49 - 58 Clean coarse sand & gravel. Water.

Owner R. H. Richardson Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 10/12/67 Date completed 10/12/67

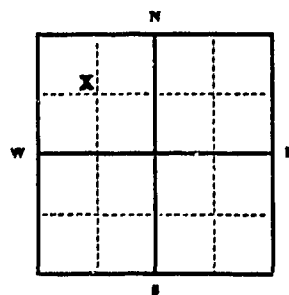
Type of well Driven Equipment used Well Drilling Rig
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/4"	+6"	58'	Torch Cut	49'7"	54'8"

Water rises in the well 7 feet from surface.



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well None feet.

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

Discharge in gal. per min. of flowing well None-flowing

How Tested Air Lift Pump

Length of Test Five hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) The bottom five feet of casing is perforated & all water entering well is coming through these perforations. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should (Continue on reverse side)

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

Tracts 12, Roseland Orchard Tracts #3

Show exact depth of bottom.
Bottom of hole 58'

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

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

52
Driller's License Number _____
William E. Johnson
Driller's Signature.

42,542

51

265756

I received and filed this instrument for record on the 14 day of April, 1967, at 1:35 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
 Thomas R. Cross, County Recorder
 By Bertha A. Cross, Deputy
 Fee \$ 2.00 paid

RECEIVED

MVA

be pumped at rates less than 25 to 30 percent of the tested capacity of the aquifer.

No. _____

T. B. R. 20 25

ORIGINAL

2589, 334446
7-2-73
4:10 p.m.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County _____

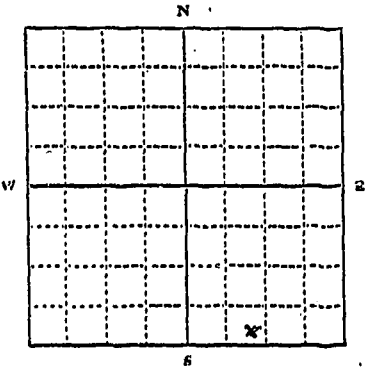
RECEIVED

JUL 6 1973

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

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

1. J. Robert Riley, of 3728 Saw West Missoula
(Name of Appropriator) (Address) (Town) Mont.
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW 1/4 Sec 25 T. 13 R. 2 U

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 and lawn
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Continual from 1959 to Present
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 50 gallons 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. 1/2 acre Block 2 Vol Verde Homesites
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Drump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1959

8. The depth of water table. 55 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. 71 feet deep 4 inch casing

10. The estimated amount of groundwater withdrawn each year. 26,200,000 gallons

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: J. Robert Riley
Date: June 28, 1973

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.

55819

2589

33446

I received and filed this Instrument for
record on the 2nd day of July 1983
at 4:10 o'clock P. M. Permeant files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By DM Conroy Deputy
Fee \$ 2.00 Paid cash

25

File No.

T 13N R 20W

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County Missoula
RECEIVED
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. J. Robert Riley, of 3728 South Avenue West Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1/4 Sec. 25 T 13N R 20W

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
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1960
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 150,000 gallons
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not applicable
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump, Lot 6, Block 2 of Val Verde Homesites, Missoula County
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Not applicable
- 8. The depth of water table Unknown
- 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 150,000 gallons
- 11. The log of formations encountered in the drilling of each well if available unknown
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner J. Robert Riley
Date December 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.

20194

1074

215549

I received and filed this instrument for
record on the 31st day of Dec, 1963
at 1:30 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEWTER, County Recorder
By Ethel L. Lane Deputy
Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDER

File No. _____

T. 13²⁵ R. 20

DUPLICATE

County _____

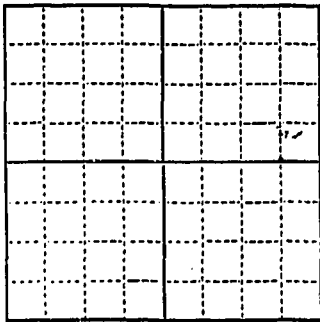
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

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

1. MAURICE F Rocheleau, of 4009 N Ave W, Missoula
(Name of Appropriator) (Address) (Town)

County of Missoula 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. Domestic use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Since Approx 1960
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). Continuous use since then
2500 gallons 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

Not applicable

24 1/4 Sec 25, T. 13 N. R. 20 W
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.
Point shown above, located at 4009 N. Ave W. Missoula Mont.

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

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

8. The depth of water table. 20 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 10. FT deep? electric pump with a storage tank is used for pumping

10. The estimated amount of groundwater withdrawn each year. At present 500,000 gal/ann.

11. The log of formations encountered in the drilling of each well, if available. Dravel 20 FT.

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 Maurice F Rocheleau

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

1132

I received and filed this instrument for
record on the 21st day of July 1963
at 5:29 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand
By Maude S. Hahn Deputy Recorder
Fee \$..... Paid

File No. _____

T. 13^N R. 20^W

DUPLICATE

County M.D.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 25 1964
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)

0 to 3' Pit
3' to 7' Top soil
7' to 30' Sand, some gravel
and water
30' to 34' Clay & gravel
34' to 73' Sand, some
gravel water
73' to 75' Gravel, sand &
water

Owner Dennis Ruana Address Glensit

Driller Glean Camp 705 Alder Missoula
Address

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

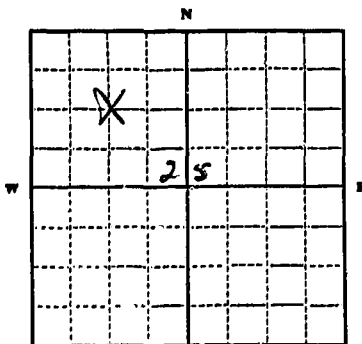
Date well started 8/9/62 Date Completed 8/11/62

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	5" I.D. 14 lbs seamless	5' above pit floor	72'-4"	none		



NW $\frac{1}{4}$ Sec. 25 T. 13 R. 20

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 8' from S.L. feet.

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

Pumping Water Level 15 feet at 150 gal. per minute.

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

How Tested Compressor Length of Test 2 hours

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

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

None

License # 7

Driller's License Number

Glean Camp
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.

1392

217771

I received and filed this instrument for
record on the 9 day of Feb, 1967
at 11:22 o'clock A.M. Permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By Ethel James Deputy
Fee \$ 2.00 Paid

File No. _____

T. 13^N R. 20 W. 25

DUPLICATE STATE WATER CONSERVATION BOARD

County Missoula

JAN 4 1965 ADMINISTRATOR OF GROUNDWATER CODE

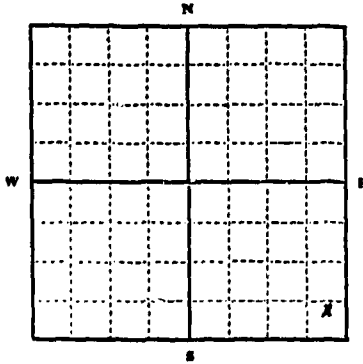
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. May 9 Sentonas 3317 2d Central Missoula
(Name of Appropriator) (Address) (Town)

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



SE 1/4 SE Sec 25 T. 13. R. 20

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Sept 1957

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 500 gal a 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. Business Sprinkling

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. Sept 1957

8. The depth of water table. 23' 0"

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 4" L. drilled well

10. The estimated amount of groundwater withdrawn each year. 182, 500 gallons

11. The log of formations encountered in the drilling of each well if available. 0-21 gravel & boulders
21-27 brown sand & gravel
27-37 sand, gravel & clay
37-42 brown sand
42-62 sand & gravel with water

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 May 9 Sentonas
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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

2500

24589

I received and filed this instrument for
 record on the 31 day of Dec. 1965.
 at 2:00 o'clock P.M. permanent files
 of Missoula County, State of Montana
 Witness my hand
 Vernice R. Crouse, County Recorder
 By Glenn J. Mason, Deputy
 Fee \$ 2.00 Paid cash

File No. _____

T. 13^N R. 20^W

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 3 1968

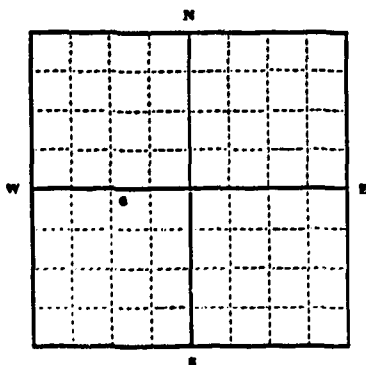
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, JOEL SESTAK, of 3815 MOUNT AVE MISSOULA
(Name of Appropriator) (Address) (Town)

County of MISSOULA State of MONTANA

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



NE 1/4 Sec. 25 T. 13N R. 20W

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, IRRIGATION AND STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1955 CONTINUOUS USE

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 20 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... ONE ACRE OF LAND SURROUNDING RESIDENCE - LAWN AND GARDEN

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... WELL LOCATED UNDER RESIDENCE ON THE W 1/2 NE 1/4 SEC. 25 T. 13N. R. 20W.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... 1955 STARTED AND COMPLETED CONSTRUCTION

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... 2 INCH PIPE IN 6" CASING, 30 FEET DEEP WATER DRAWN BY ELECTRIC JACUZZI PUMP

10. The estimated amount of groundwater withdrawn each year... 400,000 GALS PER YEAR

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 Joel Sestak

Date DECEMBER 30, 1963

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

20005

806 215214

I received and filed this instrument for
rec. 328 20 of the 100 of 100
at 328 Clerk N. permanent files
of Blaine County, State of Montana
Witness my hand
at Blaine, Blaine County Recorder
I, Mark S. Bell Deputy
for 200 Paid

File No.

T. 13N R. 20W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
JAN 3 1963

Top of Ground
(Elev. above sea level 3150)

Notice of Completion of Groundwater Appropriation by Means of Well

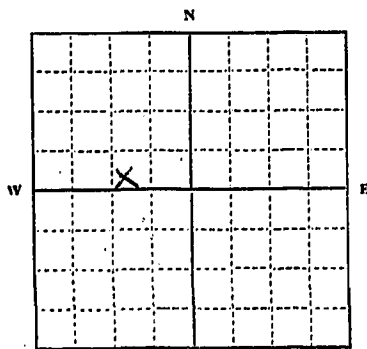
(Under Chapter 237, Montana Session Laws, 1961)

0 to 5' Pit
5' to 15' Heavy sand & gravel
15' to 21' Light brown clay
21' to 32' Sand & gravel
32' to 56' Fine sand & water
56' to 62' Clay
62' to 67' Fine sand & water
67' to 71' Sand, gravel & water

Owner A.G. Skofstad Address Wellison Mount
Driller Glenn Camp 705 Alder Address Missoula, Mont
Date of Notice of Appropriation of Groundwater.....
Date well started 7/24/63 Date Completed 7/27/63
Type of well Drilled Equipment Used Churn drill
(dug, driven, bored or drilled) (Churn, drill, rotary or other)
Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	5" I.D. seamless 14 lb	1' above floor of pit to 71'		None		



SE 1/4 NW Sec. 25 T. 13N R. 20W
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 15' from G.A.L. feet.
Shut-in Pressure for Flowing Well.....
Pumping Water Level 20 feet at 30 gal. per minute.
Discharge in gal. per min. of flowing well.....
How Tested Bailer Length of Test 2 hours

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

Show exact depth of bottom.

Licence # 7
Driller's License Number
Glenn Camp
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.

1163

I received and filed this instrument for
 record on the 21 day of Dec 1901
 at 610 10th St permanent files
 of Missoula County, State of Montana
 Witness my hand:
Charles S. Whelan County Recorder
 Deputy
 Fee \$ 2.00 Paid

Jumping Jack Trout \$8
 Spring Jewels for Missions \$40
 Spring Bank Jewels for Missions \$1.00

File No.....

T. 13^N R. 20^W

DUPLICATE

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 17 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 3,223)

- 0 - 3 top soil
- 3 - 17 gravel & cobble stone
- 17 - 20 gravel & sand
- 20 - 37 sand & water
- 37 - 56 sand gravel & water
- 56 - 63 clay & gravel
- 63 - 70 water & gravel

Owner H. James Smith Address 3910 Mount

Driller Harold K. Pickens Address Rte # 1 Missoula

Date of Notice of Appropriation of Groundwater July 28, 1963

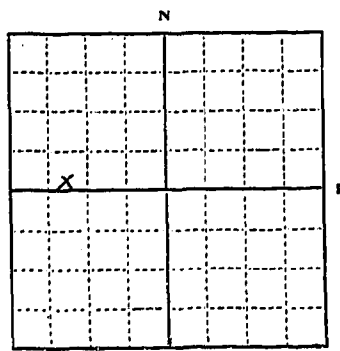
Date well started July 5 Date Completed July 7, 1963

Type of well driven Equipment Used cable tool
(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)
4 "	4" 107 78	0'	70'	1 1/2 x 1/2	70'	65'



S.W. 1/4 NW 1/4 Sec. 25 T. 13 N R. 20 W
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 50 feet.

Shut-in Pressure for Flowing Well NA

Pumping Water Level 53 feet at 40 gal. per minute.

Discharge in gal. per min. of flowing well NA

How Tested COMPRESSOR 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) 1/2

Show exact depth of bottom.

70 ft

71
Driller's License Number
Harold K. Pickens
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.

34962

1388

217169

Copy

I received and filed this instrument for
record on the 7th day of Feb, 19 69
at 1:00 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHLER, County Recorder
By [Signature] Deputy
Fee \$ 0.00 Paid

File No. _____

T. 13 N. R. 20 W. 25

DUPLICATE

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 13 1965
STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Virginia M. &

Sam F. Thompson Address Missoula, Montana

Top of Ground _____
Approx. (Elev. above sea level 3202')

Formation Log:

- 0 - 3 Black dirt.
- 3 - 14 Sand, gravel, cobblestones mixed in tan clay.
- 14 - 23 Fine silty sand & gravel. Some water.
- 23 - 40 Gravel imbedded in tan sandy clay.
- 40 - 56 Silty sand, few scattered gravels. Water
- 56 - 59 Clean coarse gravel. Water:

Driller Libarty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

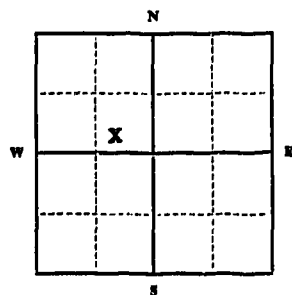
Date well started 3/5/65 Date completed 3/8/65

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8 OD x 1/4"	+1' 8"	59	NONE		



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well None

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

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

How Tested Air Lift Pump

Length of Test 2 1/2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water is entering well through the open bottom of six inch casing.

SE 1/4 NW Sec 25 T. 13 R. 20
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Five acres

Show exact depth of bottom.
Bottom of hole 59'

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

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

52
Driller's License Number

William F. Osborne
Driller's Signature

39065

#1488

235148

I received and filed this Instrument for
 record on the 9 day of April 1965
 at 2:02 o'clock P.M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Vermae R. Coates, County Recorder
 By Edna Coates Deputy
 Fee \$ 2.00 Cash Paid

RECORDED
 APR 11 1965
 MISSOULA COUNTY, MONTANA

File No. _____

STATE WATER CONSERVATION BOARD

T. 13N R. 20W

DUPLICATE

JUL 24 1967

County Missoula

Billie _____ McDermott _____ STATE OF MONTANA
 Butcher _____ M. N. _____ ADMINISTRATOR OF GROUNDWATER CODE
 Coyle _____ Merton _____ OFFICE OF STATE ENGINEER
 Darlington _____ 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)

0
 14'
 27'
 37'
 47'
 57'
 66'
 86'
 90'
 90'
 91'

Top Soil

Gravel

Clay

Gravel

Heaving Sand & Water

Sand Water Pea Gravel

Large Gravel & Water

Owner Donald A Thrall Address 3929 Sun Rise Dr.

Driller John Farrell Address Arlee Mont

Date of Notice of Appropriation of Groundwater _____

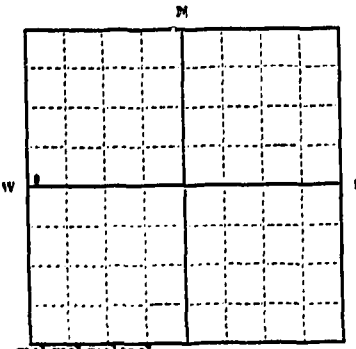
Date well started July 6 1967 Date Completed July 11 1967

Type of well _____ Equipment Used _____
 (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)
5"	(5") (14 1/2) #	0	91			



SW1/4 SW1/4
 Sec. 25 T. 13N R. 20W
 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 17 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 30 feet at 40 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested galler Length of Test 1 hour

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

14
 Driller's License Number

John Farrell
 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, 166

1723 202467

I received and filed this instrument for
record on the 17 day of July 1967
at 9:20 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand:
Vernon R. Coors, County Recorder
By *[Signature]*, Deputy
Fee \$..... Paid

File No. _____

T. 13N R. 20W 22

DUPLICATE

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)



Top of Ground
(Elev. above sea level _____)

0 - 1 1/2 top soil

Owner Gsta. Tians Address Norman Dr. Helena

Driller Harold K. Pickens Address 3824 29th Ave. Helena

1 1/2 - 9 1/2 coarse gravel & sand

Date of Notice of appropriation of groundwater _____

Date well started 2/7/71 Date completed 2/10/71

9 1/2 - 23 sand gravel & water

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

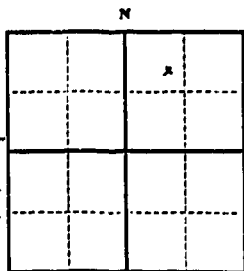
23 - 46 sand & water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 inch	5 in. O. D. 14.00	0	53			

46 - 52 red clay no water

52 - 76 sand & water

76 - 83 gravel & water



Static Water Level for non-flowing well
8 1/2 ft. of top feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 2 1/2 ft. of top feet
at 45 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested compressor

Length of Test _____

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

Doc. No. 302057
Filed for record
this 29 day of April
A. D. 19 71, at 3:20
o'clock P.M.

N.E. 1/4 Sec. 21 T. 13N R. 20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.
83 ft.

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

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

71
Driller's License Number

Harold K. Pickens
Driller's Signature

48415

2122

302058

I received and filed this instrument to
record on the 19 day of April 1971
at 2:20 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand
Veronica J. Cronin County Recorder
By Doretha A. Kinnear Deputy
Fee \$2.10 cash Paid 0

RECORDED
INDEXED
FILED
MAY 1971
MISSOULA COUNTY RECORDER
MISSOULA, MONTANA

File No. _____ OCT 6 1965

T. 13 N 20 W 25

DUPLICATE

By: _____ McDermott _____
Butzer, _____ McNulty _____
Coyle _____ Morton _____
Darlington _____ Sullivan _____

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Groundwater _____

(Elev. above sea level _____)

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0 to 1' Top soil

1' to 7' Sandy Clay

7' to 19' Sand, gravel &
water

19' to 36' Sandy clay

36' to 41' Fine gravel
and sand & little water

41' to 46' Silty clay

46' to 51' Sand, gravel
and water

Owner Arthur E. Weiss Address 3611 So. 7th

Driller Glenn Camp 705 N. 1st St. Address Missoula, Montana

Date of Notice of Appropriation of Groundwater _____

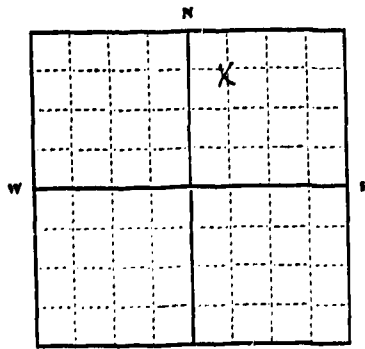
Date well started 7/22/65 Date Completed 7/23/65

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
5"	5" I.D. 14.47# to ft.	9" above G.L.	G.L.	None		



N. 12 1/2 N. E. Sec. 25 T. 13 R. 20
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 6' from G.L. _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 20 feet at 40 gal. per minute.
Bailer test 40 G.P.M., Compressor test 100 G.P.M.
Discharge in gal. per min. of flowing well _____

How Tested Bailer & Compressor Length of Test 1 hour

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

License # 7

Driller's License Number

Glenn Camp
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.

28648 39668

529

242170

I received and filed this instrument as
 record on the 7th day of Oct 1914
 at 10:30 o'clock A.M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
 James H. Gross, County Recorder
 By *John B. Smith* Deputy
 Fee \$ 20⁰⁰ Paid

C

File No. _____

T. _____ R. 25

DUPLICATE

RECEIVED

County Missoula

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

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

- 0 to 3' Pit
- 3' to 5' Top soil
- 5' to 14' Loose gravel
- 14' to 22' Clay & cobblestones
- 22' to 31' Sandy clay
- 31' to 39' Silty sand & water
- 39' to 57' Clay, gravel & water

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Ralph A. Wilson Jr. Address Rosebrier dr.

Driller Glenn Camp 705 Alder Address Missoula, Mont

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

Date well started 11/4/64 Date Completed 11/5/64

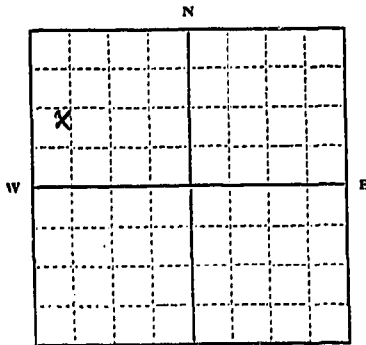
Type of well Drilled Equipment Used Churn drill
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Doc. No. 2479, 331754 5"
Filed in _____
this 9th day of May
A. D. 1973, at 9:35
o'clock A.M.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
	5" I.D.	8" above G.L.				
	15 # to foot	to 54'		None		



SW 1/4, NW 1/4, Sec. 25, T. 13, R. 20
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 11' from G.L. _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 12 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Compressor & Bailer Length of Test 1 hr
70 G.P.M. with compressor

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) _____

Licence # 7

Driller's License Number

Glenn Camp
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.

RECEIVED

County Missoula 25

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

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 Ralph A. Wilson, Jr.

Address 3710. Rosecrest Dr.

Missoula, MT 59801

Date well started Sept. 15, 1972

completed Nov. 5, 1972

For Administrator's Use	
File	<u>2478; 331.753</u>
Date	<u>May 9, 1973</u>
GW	<u>1 9:30 a.m.</u>

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

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

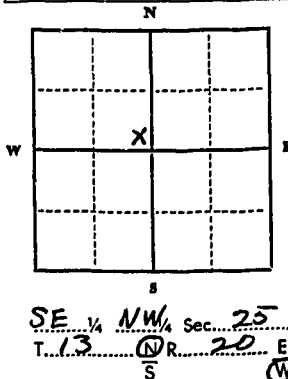
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other * Garden/Lawn

*Describe N/A

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). 1 acre garden/lawn, Lots 21, 22 Blk. 16 and Addition), Roseland #2

ESTIMATED ANNUAL WITHDRAWAL 300,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"		0	92'2"	3/8"	88'	92'2"



Static water level 28 ft.*
Pumping water level 28 ft.*
at 12-1/2 gallons per minute,
measured 120 minutes after pumping
began.

*Measured from ground level.
Well developed by N/A
for N/A hours.
Power 3/4 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) N/A

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
		(0 to 9' pit)
0	18	Gravel & Sand, brown
18	45	Gravel & clay
		Water to 18' of surface
45	49	Shale
		Second water table
	28	Water from surface
49	61	Gravel and sand
61	92'2"	Sand and gravel Brown to black Water rises to 28' of surface. 74'2" of water in well

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

Driller's Signature Ralph A. Wilson, Jr. (owner)

Driller's Address _____

LICENSE NO. _____

92'2" Show exact depth of bottom

331753

I received and filed this instrument for
record on the 9 day of May 1979
at 9:30 o'clock A. M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Hess, County Recorder
By Mary Skelley, Deputy
Fee \$ 2.00 cash Paid

GW 2

File No. _____

MAY 18 1966

T. 13N. R. 20W

DUPLICATE

LOG

Billie _____ McDermott _____ County Nisnoul
Butzerin _____ McNulty _____
Coyle _____ Morton _____ STATE OF MONTANA
Darlington _____ Administrator of GROUNDWATER CODE
Pickert _____ OFFICE OF STATE ENGINEER

Top of Ground _____
Approx. (Elev. above sea level) 3227'

Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Formations Log:

- 0 - 4 Dirt.
- 4 - 17 Sand, gravel & cobblestones.
- 17 - 29 Coarse gravel & cobblestones.
- 29 - 43 Gravel mixed in tan silty clay.
- 43 - 51 Fine sand & gravel.
- 51 - 56 Tan silty clay Some gravel imbedded.
- 56 - 69 Fine sand.
- 69 - 76 Sand & gravel.
- 76 - 82 Clean coarse sand & gravel.

Owner Donna Jean &/or M. Dennis Wood Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None - filed

Date well started 4/30/66 Date completed 4/30/66

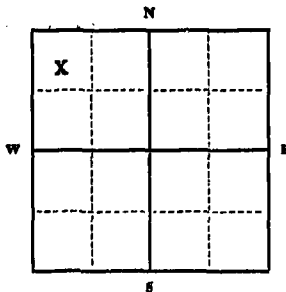
Type of well Driven Equipment used Well Driving Rig
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/4"	+4"	82	Torch Cut	76	81

Water rises in the well 22 feet from surface.



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well Non-f
Pumping Water Level _____ feet
at _____ gal. per minute.

Discharge in gal. per min. of flowing well _____
Non-flowing

How Tested Air Lift Pump
Length of Test Two hours

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

feet of casing is perforated & all water entering well is coming through these perforations. Wells in this area can be depended upon to produce clear sand free water year after year as long as. (Continue on reverse side)

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

Lawn

Show exact depth of bottom.

Bottom of hole 82'

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

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

Driller's License Number _____
William F. Calhoun
Driller's Signature

41067

1605
DW 1

250330

FILE NO
DUBITO

I received and filed this instrument for record on the 16 day of May 1946 at 2:15 o'clock P.M. permanent files of Missoula County, State of Montana
 Witness my hand
 Verance R. Cross, County Recorder
 By M. M. Larange, Deputy
 Fee \$2.00 (Paid)

they are not overpumped, i.e.; they should be pumped at rates less than 25 to 50 percent of the tested capacity of the aquifer.

WATER CONSERVATION BOARD

MAY 18 1946

STATE OF MONTANA
 DEPARTMENT OF LAND AND WATER RESOURCES
 DIVISION OF WATER RESOURCES
 MISSOULA, MONTANA

File No. _____

T 13NR 20W

DUPLICATE

RECEIVED
JAN 2 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

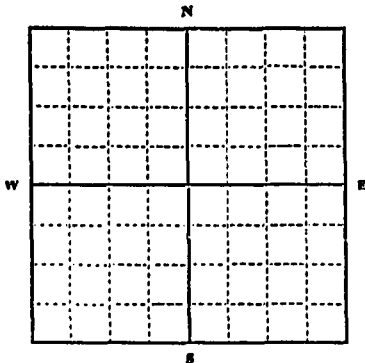
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. JAMES E. BARRETT, of 2212 PLEASANT AVE, MISSOULA
(Name of Appropriator) (Address) (Town)

County of MISSOULA State of MONT
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. FEB 1960
CONTINUOUSLY

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. HOUSE HOLD

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. PUMP -
IN FRONT (SOUTH) SIDE OF PROPERTY

1/4 Sec. T. R.

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

NORTH - 43ft of LOT 6
SOUTH - 67ft of LOT 7
FOREST VIEW ADD

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

8. The depth of water table. UNKNOWN

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. 100ft - 4" PIPE CASING

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

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. NORTH 43ft of LOT 6 - SOUTH 67ft
of LOT 7 - FOREST VIEW ADD

Signature of Owner

James E. Barrett
J. E. Barrett

Date

1/31/63

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

17689

103

215376

Copy

I received and filed this instrument for
record on the 31 day of Dec 1963
at 10:48 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. EDWARDS, County Recorder
Martin S. Edwards
For 2.00 Paid

File No. _____

T. 13N R. 20W

DUPLICATE

County _____

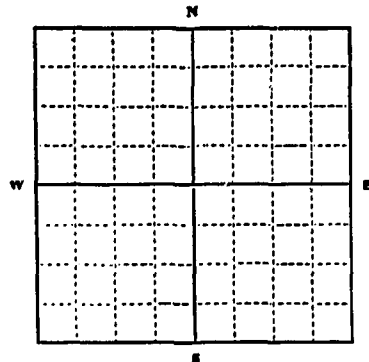
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1968

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

1. Clifford G Berky (Name of Appropriator), of Route 1 Missoula (Address) (Town)

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



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

2. The beneficial use on which the claim is based House held and yard irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been November 10, 1957
Continuous since that date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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
1/2 acre lawn located at 2216 Woodlawn Ave in Forest View addition on lot 1 & 520 at Lot 2 at Blk or Twp 1

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
one and one half horse pump (electric) located at rear of house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater November 5, 1957, November 10, 1957

8. The depth of water table 1 - 26 feet, 2 - 42 feet, 3 - 56 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 Driven well - 6 inches in diameter

10. The estimated amount of groundwater withdrawn each year unknown (Household and space town)

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 _____

Date _____

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

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

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

1262

Copy
I received of _____ instrument for
return of _____ Dec. 1963
as _____ permanent files
of _____ State of Montana
Witness my hand:
By _____ County Recorder
_____ Deputy
Fee \$ _____ Paid

File No.

STATE WATER COMMISSION BOARD

RECEIVED SEP 23 1965

T 13¹/₂ R 20¹/₂ B6

DUPLICATE

County Missoula

REFERRED TO _____

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 to 5' Sand & gravel

5' to 19' Cobblestones

& gravel

19' to 28' Silty sand

28' to 39' Clay

39' to 57' Sand, gravel

& water

Owner George Soileau Address 2211 Humble

Driller Glenn Camp 705 Alder Address Missoula, Mont

Date of Notice of Appropriation of Groundwater _____

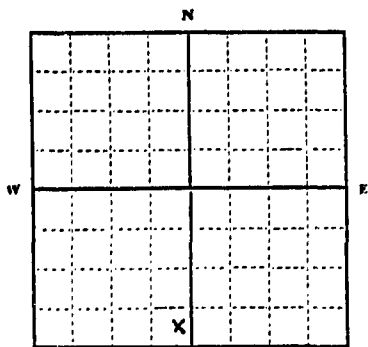
Date well started 7/27/65 Date Completed 7/28/65

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	PERFORATIONS		
		From (Feet)	To (Feet)	Kind Size
5"	5" I.D. 14.62# to ft	1'-9" above		None
		G.L. to 58' 11"		



Static Water Level for non-flowing Well 19 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 19 feet at 27 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested COMPARISON Length of Test 1 hour
test 75 G.P.M. Bailer test 27 G.P.M.

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) _____

Sec. 5 T. 4 S. 1 N. R. 20 W.

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

Lot 3 Marian Acres

Show exact depth of bottom.

License # 7
Driller's License Number
Glenn Camp
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.

1528 241705

I received and filed this instrument for record on the 21 day of Sept 19 63 at 10:15 o'clock A.M. permanent files of Missoula County, State of Montana
Witness my hand:
Vernon S. Green County Recorder
By *Ellis Miller* Deputy
Fee *2.00* Paid *cash*

10
SEP 23 1963
C E I A E
MISSOULA COUNTY RECORDERS OFFICE

2493

332940

I received and filed this instrument for
record on the 6 day of June 1923
at 9:00 o'clock A. M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By Vinda M. Swan, Deputy
Fee \$ 2.00 Paid CR.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

AUG 30 1971

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 BOY, LAMBSON

Address 4225 MOUNT AVE.

MISSOULA, MONTANA

Date well started MAY 3, 1971

completed MAY 5, 1971

For Administrator's Use	
File	<u>306809</u>
	<u>August 25, 1971</u>
	<u>9:12 A.M.</u>
GW 1	

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

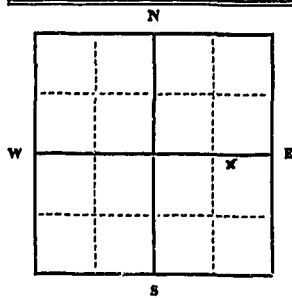
Equipment used CHURN
(Churn drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>6" I.D.</u>	<u>6-5/8" OD</u> <u>17 lbs.</u> <u>1/4" side-wall</u>	<u>GL</u>	<u>81'</u>			



Static water level 6'8" ft.*
Pumping water level 30 ft.*
at 25 gallons per minute,
measured 120 minutes after pumping began.

*Measured from ground level.
Well developed by compressor
for 3 hours.

Power gas Pump 125 cu in.

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

N 1/4 SE 1/4 Sec. 21
T. 13 R. 25 S. 20

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

Driller's Signature Kenneth T. Williams

Driller's Address 1558 So. 5th W. MISSOULA, MONTANA

LICENSE NO. 151

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>GL</u>	<u>1'</u>	<u>black dirt</u>
<u>1'</u>	<u>2'</u>	<u>brown dirt</u>
<u>2'</u>	<u>37'</u>	<u>sand, gravel, cobble stones and water</u>
<u>37'</u>	<u>45'</u>	<u>gravel and cobble stones imbedded in tan clay</u>
<u>45'</u>	<u>52'</u>	<u>tan sand, scattered gravel and water</u>
<u>52'</u>	<u>58'</u>	<u>tan clay, sand and gravel</u>
<u>58'</u>	<u>73'</u>	<u>tan and brown sand and water</u>
<u>73'</u>	<u>79'</u>	<u>tan sand, some gravel and water</u>
<u>79'</u>	<u>81'</u>	<u>sand, gravel and water</u>

81' Show exact depth of bottom

2172

306809

I received and filed this instrument for
record on the 25 day of Aug, 19 71
at 9:17 o'clock A.M. permanent time
of Missouri County, State of Missouri
Witness my hand
Veranda B. Crease, County Recorder:
By [Signature] Deputy
Fee 2.00 Paid

26

File No. _____

T. 13 N. R. 20 W.

DUPLICATE

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

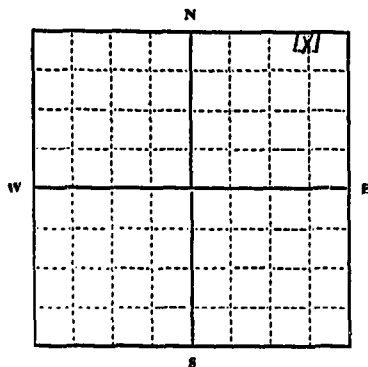
RECEIVED
JAN 3 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Johnny W. O. Elouise O. Brezard of 4133-5-26-7-W MISSOULA
(Name of Appropriator) (Address) (Town)

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



N 1/4 Sec. 26 T. 13 N. R. 20 W.

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
STOCK WATERING & IRRIGATION

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 10-20-51 DOMESTIC
USES CONTINUOUS STOCK WATERING &
IRRIGATION 1954 CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 200 TWO HUNDRED

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
PLAT 13 NENE-5-26-T13N-R-20W

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal TWO ELECTRIC
PUMPS NE NE 5-26-T13N-R-20W

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well No. 1 - 46 FT Deep on land which
purchase Well No. 2 - 30' casing 20 FT Deep 1954

8. The depth of water table 10 FT FROM GROUND LEVEL

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well No. 1 - 46' - 8" Stock casing
Well No. 2 - 30' - CEMENT CASING 20 FT Deep

10. The estimated amount of groundwater withdrawn each year 250,000 Gal.

11. The log of formations encountered in the drilling of each well if available Well No. 1
UNKNOWN
Well No. 2 10 ft - Soil - 8 ft Gravel - 2 ft Fine
white sand

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 Johnny O. Brezard
Johnny O. Brezard

Date 12/26/63

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.

19908

File No.

T. 13 R. 20 26

SEP 22 1966

DUPLICATE

Bills _____ McDermott _____ County Missoula
 Butcher _____ McNulty _____ STATE OF MONTANA
 Coyle _____ McCall _____ ADMINISTRATOR OF GROUNDWATER CODE
 Darlington _____ Cullivan _____ OFFICE OF STATE ENGINEER
 Dickson _____

Top of Ground
(Elev. above sea level)

Notice of Completion of Groundwater Appropriation by Means of Well

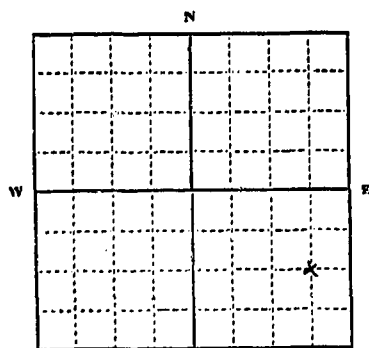
(Under Chapter 237, Montana Session Laws, 1961)

0-7 Pit
 7-45 Clay and gravel, sand and fine gravel Owner E. H. Brewer Address 4108 Colonial Lane Missoula, Montana
 45-54 Clay and gravel Driller Glenn Camp Address 1522 S. 14th Missoula, Montana
 54-79 Heaving sand with water Date of Notice of Appropriation of Groundwater _____
 79-80 Sand, gravel and some water Date well started Oct. 5, 1964 Date Completed Oct. 7, 1964
 80-84 Heaving sand and water Type of well Drilled Equipment Used Churn Drill
 84-88 Gravel and water (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.

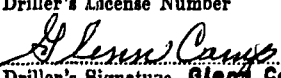
Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
5"	5" I.D. 15 lb	7' below G. L.	88'			NONE



Sec. 14 Sec. 26 T. 13 R. 20
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 23' from top of foundation
 Shut-in Pressure for Flowing Well _____
 Pumping Water Level 25 feet at 20 gal. per minute.
 Discharge in gal. per min. of flowing well _____
 How Tested Compressor Length of Test 1 hour
Well put out 80 GPM with compressor
 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)

License # 7
 Driller's License Number _____

 Driller's Signature Glenn Camp

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.

1454 254057

I received and filed this instrument for
record on the 29th day of August 1961.
at 2:35 o'clock P.M. permanent files
of Missouri County, State of Montana
Witness my hand:
Verance R. Crouse, County Recorder
By Wm. L. Cunningham, Deputy
Fee \$2.00 U. P. [Signature]

Missouri County, Montana
Official Record of Missouri County
Book 1454 Page 254057

File No. _____ MONTANA WATER RESOURCES BOARD

T. 13 R. 20 26

DUPLICATE

RECEIVED

County Missoula

LOG MAY 1 1971

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Shirley G. Brogger and

James H. Brogger Address 4413 So 7th. Nala

Driller Boebe Drilling Address Felton Mont.

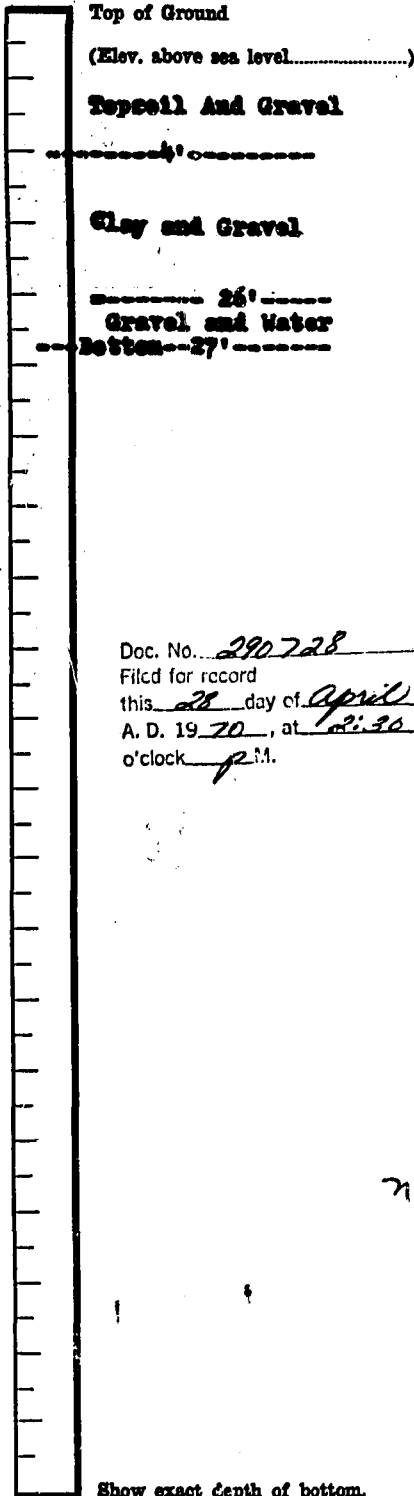
Date of Notice of appropriation of groundwater N/A

Date well started Aug 20, 68 Date completed Same

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

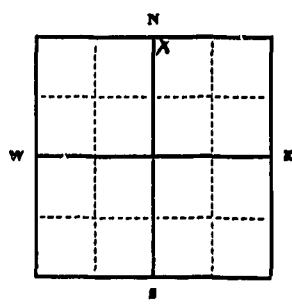
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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



Doc. No. 290728
Filed for record
this 28 day of April
A. D. 19 70, at 2:30
o'clock P.M.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8 17.025	1' above Ground level	27'	None		



Static Water Level for non-flowing well 12 feet.
Shut-in Pressure for Flowing Well N/A
Pumping Water Level 24 feet
at 20 gal. per minute.
Discharge in gal. per min. of flowing well N/A
How Tested Pump
Length of Test 2 hour
Remarks: (Gravel packing, cementing, packers, type of shutoff)

N 1/2 Sec 26 T. 12 R. 20
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

ONE-SIXTY-THREE
Driller's License Number

Donald Boebe
Driller's Signature.

4640
46400

1983

290728

I received and filed this instrument for
 record on the 28th day of April 1970
 at 2:30 o'clock P.M. Vermon, Ill.
 of Missoula County, State of Montana.
 Witness my hand.
 Verance B. Crouse, County Recorder
 By W. C. Crouse Deputy
 Fee \$ 2.00

RECORDED
 28 APR 1970
 MISSOULA COUNTY, MONTANA

File No. _____

T13N R.20W

DUPLICATE

County Missoula

LOG MONTANA WATER RESOURCES BOARD STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Top of Ground

Approx. (Elev. above sea level 3210 ft)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Caroline and

Owner HENRY BROTZMAN Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater Not filed

Date well started 7/1/69 Date completed 7/3/69

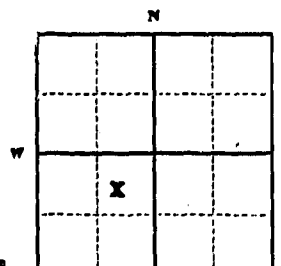
Type of well Drilled Equipment used Cable tools
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

- 0 - 18 Gravel and boulders mixed in clay.
- 18 - 70 Silty sand and gravel mixed in clay.
- 70 - 81 Silty sand and clay with few gravels mixed in.
- 81 - 102 Fine silty sandy clay.
- 102 - 107 Cobblestones and gravel mixed in silty sand.
- 107 - 108 Clean coarse gravel and cobbles. Water.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/2"	+5	108	NONE		



Static Water Level for non-flowing well 17'5" feet.
 Shut-in Pressure for Flowing Well None.
 Pumping Water Level 40 feet
 at 100 gal. per minute.
 Discharge in gal. per min. of flowing well Non-flowing
 How Tested Air Lift Pump

Water rises in the well 17'5" from surface.

NE 1/4 Sec 26 T13N R20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Length of Test 2 1/2 hours
 Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through open bottom of 6" casing. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are. (Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).
Lot 14 in Block Two (2) of Double "R" Homestead.

Show exact depth of bottom.
Bottom of well 108 ft.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

52
Driller's License Number
William F. Bohme
Driller's Signature

45472

II 1915 283201

I received and filed this instrument for record on the 21st day of July, 1915, at 1:35 o'clock P. M., permanent files of Missoula County, State of Montana
Witness my hand:
Caroline A. Coogan, County Recorder
By *Ronald B. Coogan*, Deputy
Fee \$ 2.00 Cash Paid

not overpumped, i.e.: they should be pumped at rates not in excess of 50 to 40 percent of the tested capacity of the aquifer.