

File No. _____

T. 13 N 20 W

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

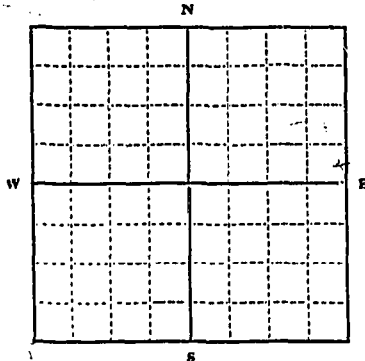
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Clarence W Brown, of 1533 Clements 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 26 T13N 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, Stock, & Irrigation

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 50 gal + 10 inches

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
Schnautz addian lots 9, 10 11, 12 1/4 SE of NE

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1957 + 1962

8. The depth of water table. 12-15 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. one 6' ft well 4" mesh casing 4' one well 12 ft well casing

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 The estimated amount of groundwater withdrawn each year. 100,000 gal a year

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. Have pumped same with 10 hp electric for 204 irrigation system

Signature of Owner. Clarence W Brown

Date. Dec 31 1963

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

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

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

1036

215511

I received and filed this instrument for
record on the 21 day of Dec, 1963
at 3:48 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BARNER, County Recorder
By MARTIN S. BARNER Deputy
Fee \$ 2.00 Paid

File No. _____

T. 13 N. R. 20 W

DUPLICATE

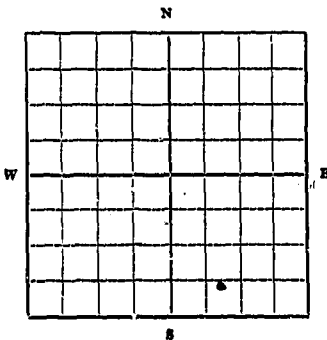
County. Missoula

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER
Declaration of Vested Groundwater Rights
 (Under Chapter 237, Montana Session Laws, 1962)

RECEIVED
 JAN 3 1963
 STATE ENGINEER

James P. and Nancy L. Callaghan, of 2302 Pleasant 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:



S.W. 1/4 SE 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 Household use and lawn sprinkling
3. Date or approximate date of earliest beneficial use; and how continuous the use has been of February 1962 and daily use thereafter
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 Doesn't apply
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal By electric pump - 25 ft from front of lot - 120 ft from north line of Block 2 Forestview addition - (figures approximate)
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1st week April 1961 (approx)
8. The depth of water table 55 feet (approx)
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 punched well - 6 inch casing - 75 foot deep
10. The estimated amount of groundwater withdrawn each year 225,000 gallons
11. The log of formations encountered in the drilling of each well if available gravel - clay - rock
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not known

Signature of Owner

Nancy P. Callaghan
James P. Callaghan
 Date 12-31-1963

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.

20193

1073

215548

I received and filed this instrument for
record on the 31 day of Dec 1963
at 29 o'clock P.M. in the
of Missoula County, State of Montana
Witness my hand.
MARTIN S. EDWINER, County Recorder
By Chas. Lane Deputy
Fee \$ 2.00 Paid

File No. _____

T 13^N R 20^W 26

DUPLICATE

County _____

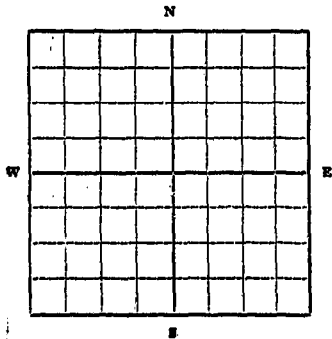
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

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

1. John A. Chamberlin of 4301 North 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:



1/4 Sec 26 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 Residence and irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov 10, 1959 CONSTANT
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) Thirty 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 Lot 2 Dryer addition Approx 2 acres
- 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 Start Nov 1, 1959 Completed Nov 10, 1959
- 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 4" diameter steel casing 48' deep
- 10. The estimated amount of groundwater withdrawn each year 200,000 Gallons
- 11. The log of formations encountered in the drilling of each well if available 18" Top Soil 4 1/2' Clay, 42' Gravel
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. unrecorded

Signature of Owner John A. Chamberlin
Date Dec 20, 1963

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

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

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

1-893

215356

I received and filed this instrument for
 record on the 31 day of June 1963
 at 10:12 o'clock A.M., permanent files
 of Missoula County, State of Montana

Witness my hand:
MARTIN & BIRNEY County Recorder
M. Birney Deputy
 Fee \$ 2.00 744

File No. _____

T 13^W R 20^E 26

DUPLICATE

County _____

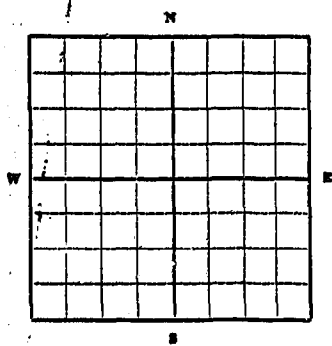
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

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

1. John A. Chamberlain, of 4301 North 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:



1/4 Sec. 26 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 Residence
and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been April (30) 1953
continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Thirty 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 Lot # 7 Dwyer Addition
Approx. 2 Acres

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 April 17, 1953 Start April 30, 1953
Completed

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 4" diameter steel casing
45' Deep

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

11. The log of formations encountered in the drilling of each well if available 18" Top soil
4' Clay 39' 6" gravel

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

Signature of Owner John A. Chamberlain
Date Dec 20, 1963

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

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

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

17674

884

315357

Copy

I received and filed this instrument for
record on the 31st day of July 1943
at 10:43 o'clock A.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BLANE County Recorder
Martin S. Blane Deputy
Fee \$ 2.00 Paid

26

File No. _____

T13 N R 20

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by **MSIA of MAWNEER**

JAN 3 1944

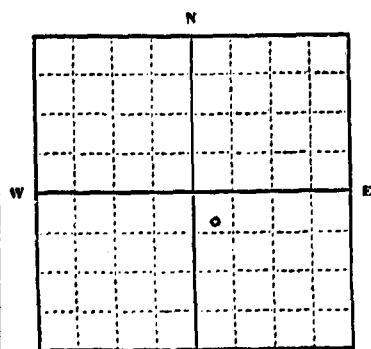


Top of Ground
(Elev. above sea level 3,223)
0/ 2 top soil
2/ 6 gravel & cobble stone
6/ 18 gravel
18/ 30 sand gravel & water
30/ 45 sand & water
45/ 52 gravel sand & water
52/ 57 clay gravel
57/ 65 gravel sand & water
65/ 72 gravel water

Owner Delmar C. Cree Address 4422 Edward
Driller Harold K. Pickens Address 3624 So. Ave.
Date of Notice of Appropriation of Groundwater _____
Date well started Aug. 20 th Date Completed Aug. 20 th
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 and Size	From (Feet)	To (Feet)
4 in	4 in.	6	72	1 1/2 in slots	72 ft	67 ft



SE 1/4 Sec. 26 T13 N R 20 W
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 18 ft. from top _____ feet.
Shut-in Pressure for Flowing Well _____
Pumping Water Level 57 feet at 25 gal. per minute.
Discharge in gal. per min. of flowing well _____
How Tested COMPRESSOR Length of Test 2 1/2 hrs.
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) _____

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.

685 215082

I received and filed this instrument for
record on the 30 day of 1913
at 11 o'clock A.M. permanent files
of Richland County, State of Montana
Witness my hand
M. S. [Signature] County Recorder
By [Signature] Deputy
Fee \$ 305 Paid

RECORDED
INDEXED
FILED
MAY 30 1913
RICHLAND COUNTY
MONTANA

RECEIVED

County Missoula 210

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

JUN 2 1972

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

(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 Warren B. Davis

Address 405 S. 7th

Missoula, Montana 59801

Date well started May 23 1972

completed May 26 1972

For Administrator's Use	
File #	<u>2282, 319355</u>
Date	<u>May 21 1972 9:35 a.m.</u>
GW #	

Type of well X
(Dig, drives, bored or drilled)

Equipment used X
(Cable drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

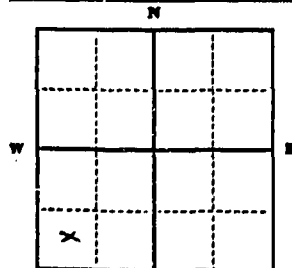
Industrial Drainage Other Garden/Lawn

*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 (Foot)	To (Foot)	PERFORATIONS		
				Kind	From (Foot)	To (Foot)
6"	6" 17#	0	74			



Static water level 5 ft.
Pumping water level 40 ft.
at 30 gallons per minute,
measured 60 minutes after pumping began.

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

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

2nd 1/4 Sec 24
T. 13 N. N. R. 20 W. E
S W

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

Driller's Signature John Farrell

Driller's Address Arlee Mont

LICENSE NO. 14

Top of Ground (Elev. above sea level)

From (Foot)	To (Foot)	
0	4	Brown top soil
4	10	sandy gravel
10	74	Heaving Sand & water
74	76	clean gravel

76 Show exact depth of bottom

50,504

#2282

217355

I received and filed this instrument for
 record on the 31 day of May 19 72
 at 9:35 o'clock A.M. in the office
 of Missoula County State of Montana
 Witness my hand
 James R. Cross, County Recorder
 Marie G. [Signature] Deputy
 2.00 Cash Paid

Department of Natural Resources and Conservation
Water Resources Division
Engineering Bureau
Groundwater Section
Sam W. Mitchell Building
Helena, Montana 59601

Owner Warren B. Davis
Address 4405 So. 7th West - Msla
Location T. R. Sec.
Doc. No. #2282 - 317355

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 groundwater right.

Special Instructions:

Please provide, as indicated in red on the attached form, the complete location of the well by township, range and section.

Thank you.

RECEIVED

SEP 29 1972

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

Form No. 18
8-60

26

T. 13 N R. 20 W

County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
1961

WATER WELL LOG

STATE ENGINEER

Owner Ed Deshafter Address 4242 No Ave W

Driller John Farrell Address Arlee

Date Started Sept 26-1961 Date Completed Sept 29-1961

Location: Sec. 26 T. 13 N R. 20 W $\frac{1}{4}$ sec. NE $\frac{1}{4}$ of SE $\frac{1}{4}$

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 6 ft. to 68 ft. Type 1 3/4" A. Steel Size 5"

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

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

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

Type of screen or perforations _____

Static Water level, for non-flowing well: _____ 22 feet.

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

Pumping water level 60 feet at 25 gal. per min.

How tested: Boiler

Length of test 2 hrs

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

(over)

2152

305421

I received and filed this instrument for
record on the 20th day of July 1974
at 2:35 o'clock P.M. pursuant to the
of Missoula County State of Montana
Witness my hand
Vernon E. Gross, County Recorder
By W. M. Cunningham, Deputy
Fee \$2.00 1.00 cash

File No. _____

T. 13 R. 20

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Mrs. Ruben H. Ditt Address 3323 Pleasant St

Driller: Chuck B. Pickens Address Target Range

Date of Notice of Appropriation of Groundwater _____

Date well started Sept 2 Date Completed Sept 4

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

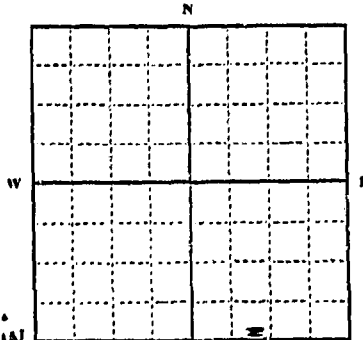
Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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 and Size	From (Feet)	To (Feet)
4 inch	4 inch 9 lbs/ft	68	3 ft	1/4 68	1/4 by 5 ft 1/8 from Bottom	



Top of Ground
(Elev. above sea level _____)



SW 1/4 Sec. 86 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.

68 ft 68

Static Water Level for non-flowing Well _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 18 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested compressor Length of Test 3 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) fruit garden & lawn of about 75 sq. ft.

71
Driller's License Number

not home
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.

961

2154 35

I received and filed this instrument
recorded by the _____ of _____
at _____ o'clock _____ M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By _____ Deputy
Fee \$ _____ Paid

File No.

T. 13W R. 20N

DUPLICATE

Count Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 17 1964
STATE ENGINEER

Top of Ground

(Elev. above sea level 5,225)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

- 0 - 4 top soil
- 4 - 18 gravel & cobble stone
- 18 - 34 sand & water
- 34 - 58 sand gravel & water
- 58 - 64 clay & gravel
- 64 - 72 gravel & water

Owner Gilbert O. Dobb Address Woodlark Ave.

Driller Harold K. Pickens Address Rte 4 I Missoula

Date of Notice of Appropriation of Groundwater August 23, 1963

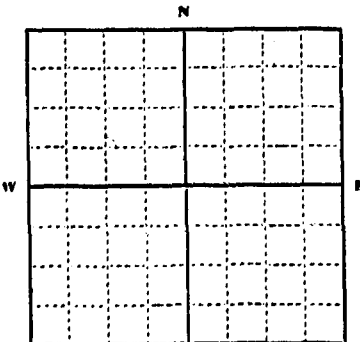
Date well started July 20 Date Completed July 22 1963

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" 16.75	0	72	1 1/2" x 1/2"	72'	67'



Lot 8 Woodlark Add. Missoula,
Sec. 4 T. 20N R. 13W

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

Show exact depth of bottom.

72 ft

Static Water Level for non-flowing Well 50 feet.

Shut-in Pressure for Flowing Well NA

Pumping Water Level 58 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

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.

1389

217170

Copy

I received and filed this instrument for
record on the 10 day of Feb, 1964
at 10.2 o'clock P. M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEBNER, County Recorder
By W. R. Riese Deputy
Fee \$ 3.00 Paid

File No. _____

T. 13N R 20W

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

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

1. S. W. Dunn of 4207 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:

W. 1/2 of lot # 1 of Subdiv. 444, ?

X			

1/4 Sec. 26 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 and Irrig.
Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov. 20th, 1958, Daily.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 gals. 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
1 acre, at W. 1/2 of lot # 1, Subdiv. 444, ?

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Schmantz
1 1/2" x 20' Jet Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov. 20th 1958

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 4" x 65' Casing, Pumped by above described pump

10. The estimated amount of groundwater withdrawn each year 25000 Gals

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

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

Signature of Owner C. W. Dunn

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.

1088

215564
Copy

I received and filed this instrument for
 record on the 31st day of Dec. 1963
 at 12:45 o'clock P. M., permanent files
 of Missoula County, State of Montana
 Witness my hand
 MARTIN S. BEHNER, County Recorder
 By Deputy
 Fee \$ 3.00 Paid

105

327157

I received and filed this instrument for
record on the 22 day of Sept 1913
at 9:30 o'clock A M, permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By A. J. Johnson, Deputy
Fee \$ 2.00 Paid

STATE WATER CONSERVATION BOARD

File No.

T. 13N R. 20W

26

JUN 16 1967

TRIPPLICATE

County Missoula

LOG

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

Top of Ground (Elev. above sea level 3210)

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 Topsoil.
3 - 12 Sand, gravel & cobblestones.
12 - 26 Coarse sand & gravel mixed in tan clay.
26 - 41 Fine sand & gravel mixed in tan to red clay.
41 - 69 Fine tan silty sand and gravel.
69 - 76 Fine sand & gravel.
76 - 79 Clean coarse sand & gravel. Water.

Owner Arthur A. & Dolores E. Feller Address Missoula, Montana
Driller Liberty Drilling Co. Address Missoula, Montana
Date of Notice of appropriation of groundwater None filed
Date well started 6/5/67 Date completed 6/9/67

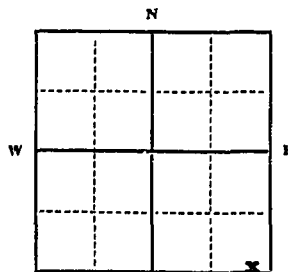
Type of well Drilled Equipment used Cable Tools
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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

Water rises in the well 18 ft. from surface.

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)).



Static Water Level for non-flowing well 18 feet.
Shut-in Pressure for Flowing Well None.
Pumping Water Level 41 feet at 75 gal. per minute.
Discharge in gal. per min. of flowing well Non-flowing
How Tested Air Lift Pump
Length of Test Six Hours

Lot 6, Block 2, Poma Tech Addition

56 1/4 Sec. 26 T. 13 N. R. 20 W.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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

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.

Bottom of hole 79'

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.

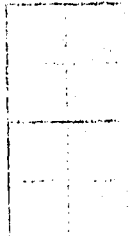
52 Driller's License Number

William J. Osborne Driller's Signature

42,067

1714 261533

I received and filed this instrument for record on the 12 day of June, 1967, at 2:20 o'clock P.M., permanent files of Missoula County, State of Montana
Witness my hand:
Vernice R. Crowe, County Recorder
By *[Signature]*, Deputy
Fee \$ 2.00 Paid *[Signature]*



MISSOULA COUNTY RECORDER
MISSOULA, MONTANA

File No. DEC 8 1965

T 13 R 20

DUPLICATE

McDermott
McNulty
Morton
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

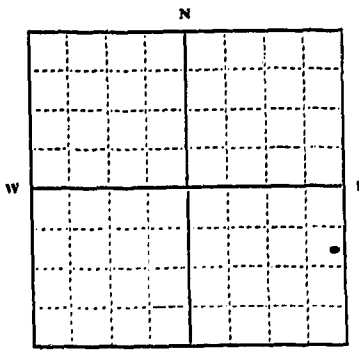
(Under Chapter 237, Montana Session Laws, 1961)

- 0 to 1' Top soil
1' to 4' Clay
4' to 6' Clay & gravel
6' to 11' Sand & clay
11' to 19' Clay & gravel
19' to 26' Silty sand & water
26' to 39' Sandy clay
39' to 59' Sand, gravel clay & water
59' to 64' Gravel, water & heavy sand
64' to 67' Gravel & water

Owner Clarence W. Ginn Address 1805 Clements Rd
Driller Glenn Camp 705 Alder Address Missoula, Montana
Date of Notice of Appropriation of Groundwater
Date well started 8/12/65 Date Completed 8/13/65
Type of well Drilled Equipment Used Churn drill
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.

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)).



7 1/2 SE 1/4 Sec. 26 T. 13 R. 20
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 14 feet.
Shut-in Pressure for Flowing Well
Pumping Water Level 14 feet at 26 gal. per minute.
Discharge in gal. per min. of flowing well
Compressor test 100G.P.M.
How Tested Galiair Length of Test 1 hour
26G.P.M. no Drawdown
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

Show exact depth of bottom.

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.

1540

24476

I received and filed this Instrument for
 record on the day of 19.....
 at o'clock permanent files
 of Missoula County, Montana
 Witness my hand
 Vermae R. C. County Recorder
 By Deputy
 Fee \$ Paid

226

File No. _____

T. 13^N R. 20^W

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

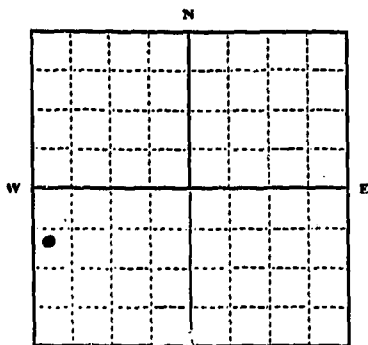
STATE ENGINEER

1. Charles J. or Frankie C. Griffing of Mt. 1 Target Range 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:



SW 1/4 SW 1/4 NW 1/4 SW 1/4
1/4 Sec. 26 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 Horse & Lawn Irrigation for 2 1/2 Acres

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) 500 G.P.M.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 2 1/2 Acres Griffing, Charles J. & Frankie C.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal By 5 H.P. Electric Pump - 1 1/2'

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 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. 10 ft. casing - Top 5 ft. Below Top Ground

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

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

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

Charles J. or Frankie C. Griffing
Signature of Owner By Daughter Betty J. Boyer

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

15145

1043

24845

I received and filed this instrument for
record on the 10th day of June, 1953
at 9:15 o'clock A.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARVIN S. BEAVER County Recorder
By Walter J. Bell Deputy
Fee \$ 2.00 Paid

GW 2

File No.

DUPLICATE

RECEIVED
MAY 20 1964

Approved Stock Field State Publishing Co., Helena, Montana—40472

T. 13^N R. 20^W

County Missoula

STATE OF MONTANA
ADMINISTRATION 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 & Kathryn Hovser Address Target Range Rd 1

Driller Self Address

Date of Notice of Appropriation of Groundwater 08.31.96: MS 3500

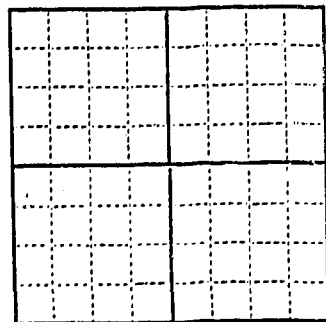
Date well started Spring 1958 Date Completed Spring 1958

Type of well Driven Equipment Used

Water Use Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>Hoff.</u>	<u>4 in</u>					



SE 1/4 SW Sec. 26, T. 12, R. 20
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

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

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

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

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

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

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

Driller's License Number

Driller's Signature

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

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

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

20185

0

1065

215540

I received and filed this instrument for
 record on the 31 day of Nov, 1965
 at 4:21 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
MARTIN S. BEINER, County Recorder
 By Charles [Signature] Deputy
 Fee \$ 2 Paid

2

File No. _____

DUPLICATE

T 13 N R 20 E 26
County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

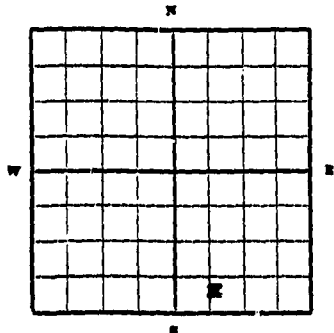
RECEIVED
DEC 26 1963

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

STATE ENGINEER

1. Ronald Hendrickson of 2222 Westlawn Missoula, Montana
(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:



Section 4, 22, Sec 26, T13, R20

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been November 15, 1962 - Continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1500 gallons per hour

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 1/3 Acre

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commencement date - October 10, 1962; completion October 14, 1962

8. The depth of water table 63 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 4" driven metal casing - 72 feet from ground level.

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

11. The log of formations encountered in the drilling of each well if available Gravel, sand first water @ 17' clay, gravel, sand @ 46' 2nd 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 Ronald Hendrickson

Date 12/23/63

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.

12311

191

214738

I received and filed this instrument for
 record on the 23 day of Aug 1963
 at 2:52 o'clock P.M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BERNER, County Recorder
 By *Martin S. Berner* Deputy
 Fee \$ 8.00 Paid

1963

MISSOULA COUNTY RECORDS - 15 1004 2200 1000

26

File No. _____

T. 13 N. R. 20 W.

DUPLICATE

County, Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

R
JAN 2 1964

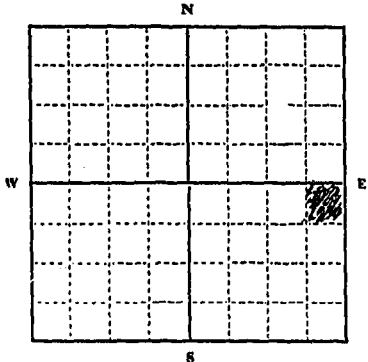
Declaration of Vested Groundwater Rights

STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Davis E. Hintzman, of 1616 42nd 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:



SE 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 and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
June 1960; continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
30 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
T. 13 N., R. 20 W., sec. 26, lot 6 and N. 25 ft. of lot 7, block 2, Schmautz addition, Missoula County, Montana.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Well located near NW corner of lot 6, block 2, Schmautz Addition.

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

8. The depth of water table
Fluctuates 10 to 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
Drilled well; total depth 50 feet; cased with 4-inch casing.

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

11. The log of formations encountered in the drilling of each well if available
0-25 ft., coarse gravel and silt; 35-40 ft., clay; 40-50 ft., sand and gravel.

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

Signature of Owner Davis E. Hintzman

Date Dec. 31, 1963

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

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

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

17705

925

215398

Copy

I received and filed this instrument for
record on the 31 day of Dec 1963
at 11:39 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEYER, County Recorder
By *M. S. Beyer* Deputy
Fee \$ 3.00 Paid

File No. _____

T13N R20W

DUPLICATE

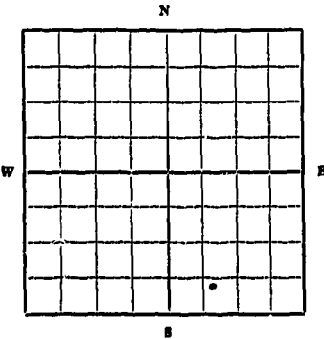
County MISSOULA

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. HAROLD M. AND VALE A. HOSLER, of 2307 PLEASANT 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:



S.W. 1/4 SE. Sec. 26. T13N R20W
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based HOUSEHOLD USE AND LAWN SPRINKLING
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1 AUGUST 1961 AND DAILY USE THEREAFTER
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 DOESN'T APPLY
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal BY ELECTRIC PUMP - WELL IS 25 FEET FROM FRONT AND SOUTH EDGE OF LOT 4 - BLOCK 4 FORESTVIEW ADD.
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater APPROXIMATELY 2 APRIL 1961 - 3 APRIL 1961
- 8. The depth of water table APPROXIMATELY 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 PUNCHED WELL - 6" CASING - 75 FEET DEEP (APPROX)
- 10. The estimated amount of groundwater withdrawn each year 175,000 GALLONS
- 11. The log of formations encountered in the drilling of each well if available GRAVEL - CLAY - ROCK
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NOT KNOWN

Signature of Owner Harold M. Hosler
Vale A. Hosler
Date 31 Dec 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.

963

215336

Copy

I received and filed this instrument for
 record on the 31st day of Dec 1923
 at 7:37 o'clock A.M., permanent files
 of Missouri County, State of Montana
 Witness my hand:
MARTIN S. BIRNIE, County Recorder
 By Martin S. Birnie Deputy
 Fee \$ 2.00 Paid

MISSOURI COUNTY, MONTANA
 DEPARTMENT OF REVENUE
 RECEIVED

MISSOURI COUNTY, MONTANA
 DEPARTMENT OF REVENUE
 RECEIVED

File No. _____

MAR 10 1965

T. 15 N. R. 20 W

DUPLICATE

Billie _____ McDermott _____
 Butzer _____ McNulty _____
 Coyne _____ Milton _____
 Darlington _____ Sullivan _____
 Dickert _____

County Misacola

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Top of Ground _____
 (Elev. above sea level 3,223)

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)



0
 to
 1 1/2
 top soil

 1 1/2
 to
 18
 cobble stone
 sand & Gravel
 18
 to
 24
 sand
 24
 to
 36
 small Gravel & Sand
 & Water
 36
 to
 47
 larger Gravel & Water
 47
 to
 54
 hard pan
 54
 to
 65
 sand & Water
 65
 to
 70
 Gravel & water

Owner Gordon & Ilo Hutton Address 4426 Edward

Driller Harold K. Pickens Address 3624 So. th. Ave.

Date of Notice of appropriation of groundwater _____

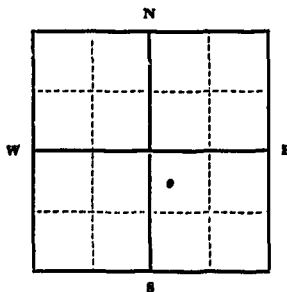
Date well started 9/23/65 Date completed 3/25/65

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 inch IO.78	0 to	70	slot	69	64



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 49 feet at 25 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Compressor

Length of Test 3 hrs.

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

N 1/2 SE 1/4 Sec. 26 T. 15. R. 20.
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

X 71

Driller's License Number

Harold K. Pickens
Driller's Signature

40880

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.

_____ (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.
70 ft.

UNITED STATES GOVERNMENT

POSTAGE WILL BE PAID BY ADDRESSEE

TO: DIRECTOR
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C.

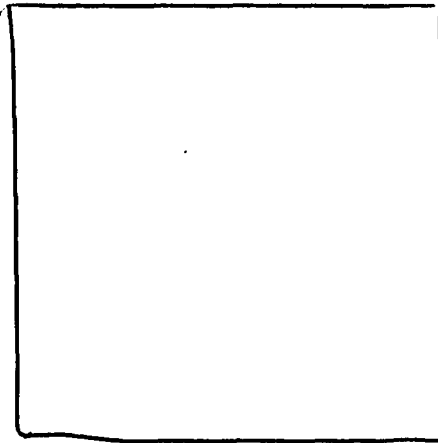
I received and filed this instrument for
record on the 8th day of March 1966.
at 12:05 o'clock P.M., permanent file
of Missouri County, State of Montana.
Witness my hand:
Veramo H. C. Guss, County Recorder
By M. M. Guss, Deputy
Fee \$2.00 J. Polak

247806

1582

OMIT

LAST



FRAMES

1552

247806

I received and filed this Instrument for
record on the 8th day of March 1966
at 12:05 o'clock P.M., pursuant to law
of Missoula County, State of Montana
Witness my hand:
Verlanne A. Cause, County Recorder
by M. M. Conaghan, Deputy
Fee \$2.00 J. Pradler

MISSOULA COUNTY

File No. _____

STATE WATER CONSERVATION BOARD

T. 13^N R. 20^W

DUPLICATE

County Missoula

MAR 22 1966

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Bill _____ McDermott _____
 Top of Ground _____
 (Elev. above sea level) _____
 Co. _____ Morton _____
 Sullivan _____
 Dickert _____

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0 to 6' Open pit
 6' to 34' Sand, gravel & boulders
 34' to 63' Sand
 63' to 67' Gravel & sand
 67' to 70' Sand & gravel
 70' to 73' Sand & water
 73' to 79' Sand, small gravel & water
 79' to 83'-10" Gravel & water

Owner George M. Japson Address 4417 Edwards

Driller Glenn Camp 705 Alder Address Missoula, Mont.

Date of Notice of Appropriation of Groundwater _____

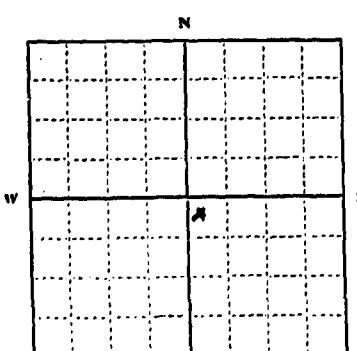
Date well started 8/27/65 Date Completed 8/28/65

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	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	5" I.O. 14.72 18.25 # to ft	10" above basement floor to 83'-10"	None			



Static Water Level for non-flowing Well 16' from top of casing feet

Shut-in Pressure for Flowing Well _____

Pumping Water Level 22 feet at 100 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Compressor & Bailor Length of Test 2 hours 45 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) _____

7th 45E Sec. 26 T. 13 R. 20
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.
Lot 13 Blk 7 Schwaity #2
 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.

40966

1585

248295

I received and filed this instrument for
 record on the 18 day of March 1966
 at 4:55 o'clock P. M. permanent files
 of Musselshell County, State of Montana
 Witness my hand
 Verance B. Grouse, County Recorder
 By W. M. Lemmon Deputy
 Fee \$2.00 Paid cash

File No. _____

T. 13N R. 20W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

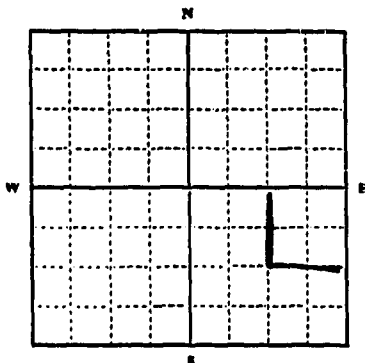
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ernest R. Johnson, of 1206 No. Ave. N., 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:



NESE 1/4 Sec 26 T13N. 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 water and irrigation of lawn and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1959, used continuously since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) not known but adequate for house use and irrigation of yard and garden

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Lot 7 of Johnson Addition of Missoula County, Mont. approximately 1/3 acre. Present owners Ernest R. Johnson and Marian A. Johnson

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 1959

8. The depth of water table 14 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater driven well, 63 feet deep, 4 inch casing

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

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

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

Signature of Owner Ernest R. Johnson

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

856 215324

I received and filed this document for
recording on 9-20-35 at 10:57
at 9:50 o'clock A.M. pursuant to the
laws of the County State of Montana
Witness my hand
By Martin S. Miller County Recorder
Max J. Miller Deputy
Filed 9-20-35

File No.

MONTANA WATER RESOURCES BOARD

T. 13N R. 20W

DUPLICATE

RECEIVED

County Missoula

MAR 6 1969

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

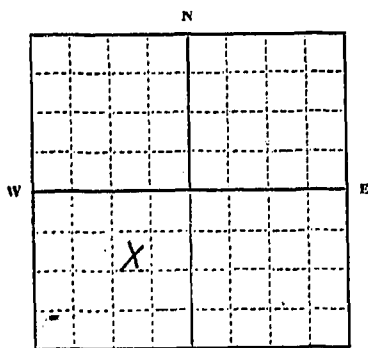
- 0-5' Pit
- 5'-19' Gravel, Sand and Clay
- 19-25' Gravel and Sand
- 25-40' Sand, Gravel and Water
- 40-45' Sand, Gravel and Clay
- 45-59' Sand and water
- 59-64' Sand, Gravel and Water

Under Chapter 237, Montana Session Laws, 1961
 Thomas O. Kirkpatrick and
 Juanita F. Kirkpatrick
 Owner ~~XXXXXXXXXXXX~~ Address By McClay Bridge
1522 S. 14th
 Driller Glenn Camp Address Missoula, Montana
 Date of Notice of Appropriation of Groundwater.....
 Date well started November 4, 1966 Completed Nov. 7, 1966
 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 lb per ft	6" above floor of pit	64'	none		



S.W. 1/4 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..... 20' 6" from top feet.
 Shut-in Pressure for Flowing Well.....
 Pumping Water Level..... 20' 6" feet at..... 75 gal. per minute.
 Discharge in gal. per min. of flowing well.....
 How Tested..... Compressor..... Length of Test..... 1 1/2 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).....

License # 7
 Driller's License Number
Glenn Camp
 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.

45,039

1859

279249

I received and filed this instrument for
 record on the 4 day of March 1969
 at 9:45 o'clock A.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Vernice R. Grous, County Recorder
 By Paul H. Smith, Deputy
 Fee \$ 2.00 Paid de

Presented in full for a copy of original instrument
 Recorded in Missoula County, Montana
 Date of Recording: 3/4/69
 Fee: \$2.00
 State of Montana

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED

MAR 23 1973

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
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
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.

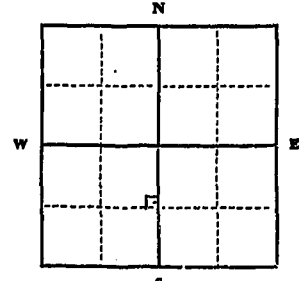
Owner Elmer E. Klapwisk
Address 1915 HUMBLE
MISSOULA, MONT
Date well started April 30-72
completed MAY 5-72

For Administrator's Use
File <u>2437, 329314</u>
<u>MARCH 19, 1973</u>
GW <u>1 4:30 p.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 New Home site
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)
<u>5"</u>	<u>5" W. 40 lb</u>	<u>3' above ground</u>	<u>57' Below</u>	<u>None</u>		



Static water level 8 ft.*
Pumping water level 6 ft.*
at 65 gallons per minute,
measured 20 minutes after pumping began.
*Measured from ground level.
Well developed by Air
for 1 1/2 hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NE 1/4 SW 1/4 Sec. 26
T. 13 N. R. 20 E
S W

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

Driller's Signature [Signature]
Driller's Address 1420 Clements Rd
Missoula, Montana LICENSE NO. 227

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>14</u>	<u>Back - SAND - GRAVEL</u>
	<u>8</u>	<u>Static Level</u>
<u>14</u>	<u>15</u>	<u>CLAY</u>
<u>15</u>	<u>27</u>	<u>SANDY</u>
<u>27</u>	<u>29</u>	<u>HARD PAN - CLAY</u>
<u>29</u>	<u>37</u>	<u>SANDY</u>
<u>41</u>	<u>55</u>	<u>WATER - SAND</u>
<u>55</u>	<u>57</u>	<u>CLEAN GRAVEL</u>

57' Show exact depth of bottom

31

329314

I received and filed this instrument for record on the 17 day of May 1953 at 4:30 o'clock P.M., permanent files of Missoula County, State of Montana
 Witness my hand:
 Dorothy L. Head, County Recorder
 By [Signature] Deputy
 Fee \$ 2.00 Paid

EPHRAIM E. KILBICK

Delivered
May 2 - 1953
Arling 30-1-10

Wm. H. Housharts

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Wm. H. Housharts

File No. _____

MONTANA WATER RESOURCES BOARD

RECEIVED

T. 13 N. R. 20

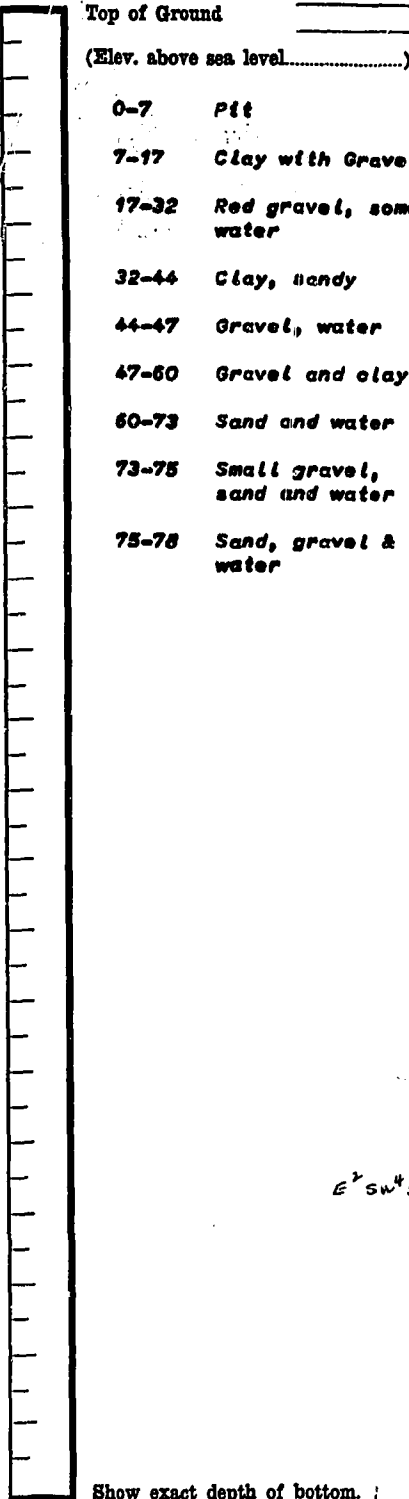
DUPLICATE

NOV 1 1967

County Missoula 26

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, 1963

(Under Chapter 237, Montana Session Laws, 1961)

- 0-7 Pit
- 7-17 Clay with Gravel
- 17-32 Red gravel, some water
- 32-44 Clay, sandy
- 44-47 Gravel, water
- 47-60 Gravel and clay
- 60-73 Sand and water
- 73-75 Small gravel, sand and water
- 75-78 Sand, gravel & water

Owner Dr. W. J. McKinstry Address 4404 South Ave. W.

Driller Glenn Camp Address 1522 S. 14th W.

Date of Notice of appropriation of groundwater _____

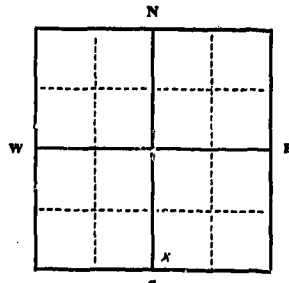
Date well started Sept. 6, 1967 Date completed Sept. 12, 1967

Type of well Drilled Equipment used Shurn 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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I.D.	6" I.D. 17.5 lb per ft	10" above pit level	78'		None	



Static Water Level for non-flowing well 20 feet from G. L.

Shut-in Pressure for Flowing Well _____ feet

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

Discharge in gal. per min. of flowing well _____

How Tested Air Compressor

Length of Test 5 hours

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

E 1/4 SW 1/4 Sec. 26 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).

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.

License # 7
Driller's License Number

Glenn Camp
Driller's Signature Glenn Camp

42, 440

265288

I received and filed this instrument for
record on the 30 day of Oct 1967
at 8:22 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand:
Verance R. Crouse, County Recorder
By Dorothy G. Penning, Deputy
Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDER
MISSOULA, MONTANA
RECORDED
INDEXED
FEB 1 1968
MISSOULA COUNTY RECORDER
MISSOULA, MONTANA

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4047

File No.

T. 13^N R. 20^W

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Francis E. and Ann Monaco Address: 3304 Hinkle Rd.

Driller: H. B. Berkly Address: 120 So. Ave. W.

Date of Notice of Appropriation of Groundwater:

Date well started: MAY 1955 Date Completed: MAY 1955

Type of well: Drilled Equipment Used: 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)

Static Water Level for non-flowing Well: 20 feet.

Shut-in Pressure for Flowing Well:

Pumping Water Level: 2 min. draw feet at 100 gal. per minute.

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

How Tested: Length of Test:

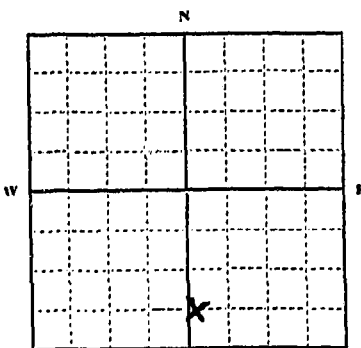
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of

acres irrigated, if used for irrigation) one acre

used on premises



Top of Ground
(Elev. above sea level))



..... 1/4 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.

Driller's License Number

F. E. Monaco
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.

2062

1042

2155 17

I received and filed this instrument for
record on the 31st day of Dec 1963
at 2:56 o'clock P.M. in permanent files
of Missoula County, State of Montana
Witness my hand
MARTIN S. BAKER, County Recorder
By Ethel Lane Deputy
Fee \$ 2.00 Paid

GW.

STATE WATER CONSERVATION BOARD
R E C E I V E D
SEP 8 1965

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

File No.

T. 13 N. R. 30 W. 26

DUPLICATE

County Missoula

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

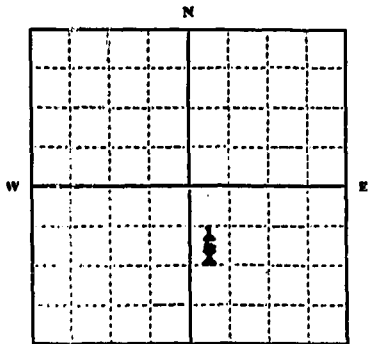
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. M. D. AND OR M. A. NUTCH, of 4503 N. Ave 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:



26' 13' 20'
N. M. S. E. Sec. 7 T. 13 N. R. 30 W.
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

orchard homes co #6

- The beneficial use on which the claim is based. Household and yard irrigation.
- Date or approximate date of earliest beneficial use; and how continuous the use has been. April 1959
continuously since above date.
- The amount of groundwater claimed (in miner's inches or gallons per minute). 75 gals per minute.
- 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, shrubs and garden.
same as appropriator.
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric well at S.E. corner of house.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. about April 10, 1959 completed April 10 1959

8. The depth of water table. 19 ft from surface.

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. 5" casing inside dia. Depth about 65'

10. The estimated amount of groundwater withdrawn each year. 480,000 gals

11. The log of formations encountered in the drilling of each well if available. 2 ft. top soil
cobbles stones and gravel to 19 ft., 19 ft to 28 ft. silty sand, 28 to 39 ft. clay,
39 to 53 ft. soil and water, 53 ft to 65 (bottom) sand gravel and 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 M. Douglas Nutch
Margaret A. Nutch
Date Sept. 3, 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.

39538

527

241136

I received and filed this instrument for
 record on the 3 day of Sept. 1965
 at 1:30 o'clock P.M. permanent files
 of Missouri County, State of Missouri
 Witness my hand:
 George R. Crouse County Recorder
 By *Wanda M. Crouse* Deputy
 Fee \$.....

RECEIVED
 MISSOURI COUNTY RECORDERS OFFICE
 SEP 15 1965

RECEIVED

26

GW 2 Revised 1969
STATE PUBLISHING COMPANY

JUL 3 1973

County Hillsdale

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
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 Eldon H. Nicholson

Address 3125 1st Ave.

Hillsdale, Montana

Date well started 6-29-73

completed 6-29-73

For Administrator's Use
File 569-334-193
6-29-73
GW 1 1218 P.M.

Type of well Drilled

(Dig, driven, bored or drilled)

Equipment used AP 2000

(Churn drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

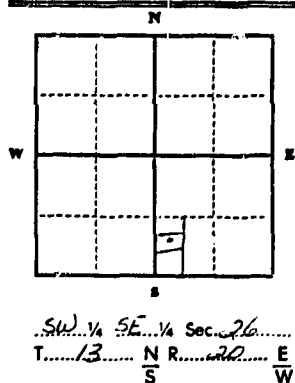
Industrial Drainage Other * Garden/Lawn

*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 UNKNOWN

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6"	0 1/2" 17 lb. per ft.	+ 15'	42'	none		



Static water level 15 ft.*
Pumping water level 15 ft.*
at 15 gallons per minute,
measured 15 minutes after pumping
began.
*Measured from ground level.
Well developed by AP 2000
for 1 1/2 hours.
Power 1/2 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

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

Driller's Signature [Signature]

Driller's Address 3721 1st Avenue

Hillsdale, Montana 59801 LICENSE NO. 213

Top of Ground (Elev. above sea level) 3500

From (Foot)	To (Foot)	
0	15	dry gravel
15	30	dry sand
30	35	dry sand
35	42	water with water

42'

Show exact depth of bottom

55321

2569

334293

I received and filed this instrument for
record on the 24th day of June 19 23
at 12:18 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By M. M. [Signature], Deputy
Fee \$ 7.00 Paid cash

File No.

T. 13 N R. 20 W 26

DUPLICATE

County

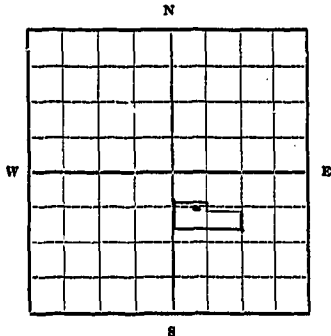
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

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

Matthew Petrin and Mary Petrin, of 1700 Blk. Humble St., 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. 26 T13 N R. 20 W

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

Sec. 26; thence E at right angles and parallel to the East-West center line of said section, 132 feet more or less.

The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Date of commencement: December 19, 1945; Date of completion: December 26, 1945

8. The depth of water table Twenty-five 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 Six inch steel pipe, ninety-five feet from surface to bottom of pipe.

10. The estimated amount of groundwater withdrawn each year Varies greatly, seven million gallons more or less

11. The log of formations encountered in the drilling of each well if available Drilled through seventy-six feet of gravel and sand, fourteen feet of clay bed, and five feet of gravel.

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

Signature of Owner Matthew Petrin
Mary Petrin
Date 2/30/63

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

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

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

731

215-140

copy
 I received and filed this instrument for
 record on the 22 day of Dec 1967
 at 11:30 o'clock A.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BIKNER, County Recorder
 By [Signature] Deputy
 Fee \$ 2.00 Paid

RECEIVED
 MISSOULA COUNTY RECORDER
 DECEMBER 22 1967
 THE AMOUNT OF MONEY PAID THROUGH THE RECORDER'S OFFICE



26

File No.

DUPLICATE

RECEIVED
DEC 30 1963

T13N R20W

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

3120'
Top of Ground
(Elev. above sea level Approx. 3120.....)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Ted Petroff Address 4323 North Ave. Missoula, Mont.

Driller Ted Petroff Address " " "

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

Date well started July 3, 1963 Date Completed July 5, 1963

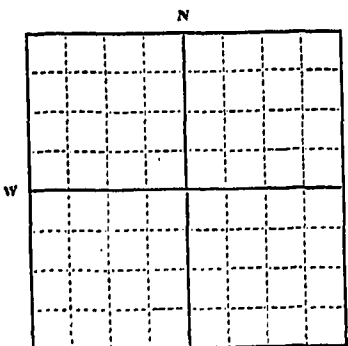
Type of well Driven Equipment Used A Frame Winch
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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"	3120'	3073	2" Long x 1/2 wide	3085	3073



1/4 Sec. 26 T13N. R20W
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well..... 16..... feet.

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

Pumping Water Level..... 39..... feet at 8.0..... gal. per minute.

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

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

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

down & water stop at down

Driller's License Number

Ted Petroff
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.

15276

705

215-111

I received and filed this instrument for
 record on the 24 day of Jan, 1908
 at 10:30 o'clock A.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By White Deputy
 Fee \$ 2.00 Paid

RECORDING		INDEXING		SERIAL		FILE	
DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME

TO BE FILLED IN BY THE RECORDER
 TO BE FILLED IN BY THE RECORDER
 TO BE FILLED IN BY THE RECORDER
 TO BE FILLED IN BY THE RECORDER

File No. _____

T 13 R 20 26

DUPLICATE

County _____

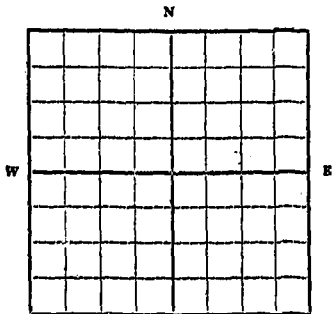
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1967

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

1. Edward R. Pfau, of P.O. Box 924 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:



S 1/4 NE 1/4, Sec. 26
T. 13., R. 20.
1/4 Sec. T. R.

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

- The beneficial use on which the claim is based Watering stock, irrigation, domestic and other useful purposes.
- Date or approximate date of earliest beneficial use; and how continuous the use has been Since Homestead Entry to date hereof, continuous.
- The amount of groundwater claimed (in miner's inches or gallons per minute) Approximately 100 Miners Inches.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 20 acres, more or less; S 1/4 NE 1/4, Sec. 26 T. 13., R. 20, Edward R. Pfau.
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal By well approximately 20 yards from the Homestead House.
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Unknown
- The depth of water table Unknown
- 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
- The estimated amount of groundwater withdrawn each year 1,000,000 gallons per year.
- The log of formations encountered in the drilling of each well if available Unknown
- 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 The well was on the property at the time the owner herein purchased such property; ergo, said owner does not have any knowledge or information concerning said well.

Signature of Owner Edward R. Pfau
Date 12/8/66

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.

1144

I received and filed this instrument for
record on the 27 day of Dec 19 62
at 5:37 o'clock P. M. permanent files
of Missoula County, State of Montana
Witness my hand:
By Matthias J. Palm Recorder
Fee \$ 2.00 Paid Deputy

26

File No. _____

T. 13^N R. 20^W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 3 1962
STATE ENGINEER

**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Time of Homestead

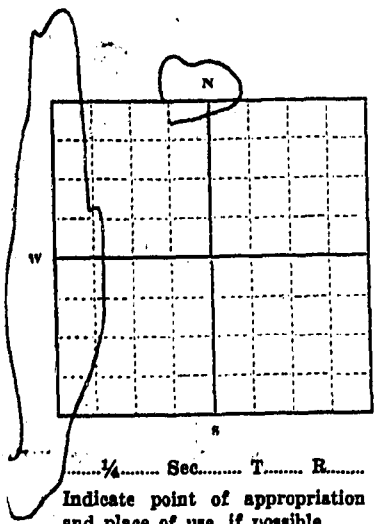
Owner Edward E. Pfa^u Pfau Address Box 924, Missoula, Mont.

Contractor (if any) _____

Address of Contractor _____

Date Started Homestead Entry Date Completed Homestead Entry

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. There are two sloughs on owners property, from each water is drawn into a 5" pipe by pump; also, from each water is diverted by the use of dams and ditches.



1/4 Sec. T. R.
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. Continuous from Homestead Entry to date; and approximately 80 Miners Inches from each slough, used upon owners property.

SINEINE, Sec. 26T.13,
R20, 20 acres more or less.

Signature of Owner [Handwritten Signature]

Date 12/18/62

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.

1138

I received and filed this instrument for
record on the 31st day of Nov 1963
at 5:25 o'clock P.M. permanent files
of Missoula County, Montana
Witness my hand
By Mark J. Paul Recorder
Fee \$ 2.00 Deputy
Paid

File No. _____

T. 13th R. 20th 26

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAY 20 1965
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
10'
10'
22'
12'
34'
20'
54'
83'

cobble rock
Gravel water
heaving sand water
gravel water

Owner Don Phillips Address 4243 Mount Ave Missoula, Montana

Driller John Farrell Address Arlee Mont

Date of Notice of Appropriation of Groundwater 1-19-65

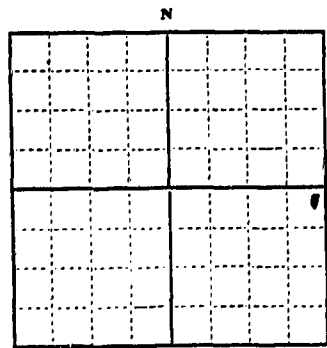
Date well started Aug 13 1964 Date Completed AUG 17 1964

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"	2 1/2" 50	0	83'			



S. 1/4 E. Sec. 26 T. 13 R. 20
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

83'

Show exact depth of bottom.

Static Water Level for non-flowing Well 81 6" feet.

Shut-in Pressure for Flowing Well none

Pumping Water Level 35' feet at 21 gal. per minute.

Discharge in gal. per min. of flowing well none

How Tested Sodler 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) Gravel

packing, 1/2 acre irrigated
(Schmaltz Addn. #2)
(Lot #9 - BIK. #4) location

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.

1500

236679

I received and filed this Instrument for
record on the...17... day of May 19 62
at 10:40... o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand:
James B. Crouse, County Recorder
By James B. Crouse Deputy
Fees 2.00 Paid

File No. _____

T. 13 N. R. 20 W.

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

Declaration of Vested Groundwater Rights JAN 3 1964

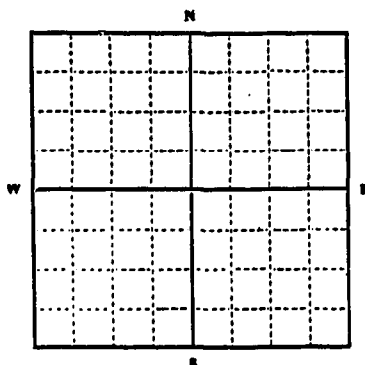
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. John S. Pomajevich, Jr., of 1819 Clements Road 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 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 for farm use of domestic water use and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been about April of 1940

4. The amount of groundwater claimed (in number of inches or gallons per minute) 15 gal. per minute. was continuous after this date. Summer for irrigation and winter only for domestic use.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof used to irrigate about 2 acres, including the lawn.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by electric motor powered well pump; NE 1/4 of Sec. 6, 26, T. 13 N., R. 20 W., Plate M2.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater about April of 1940

8. The depth of water table 24 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 depth of well - 56 feet; size 4" pipe

10. The estimated amount of groundwater withdrawn each year 672,500 gal.

11. The log of formations encountered in the drilling of each well if available none 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 S. Pomajevich, Jr.
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.

1268

Copy

828 71 P Dec 1963
at [unclear] of [unclear] State
of [unclear] [unclear] of [unclear]
Witness my hand
By [unclear] County Recorder
[unclear] [unclear] Deputy
[unclear] Paid

GW 2

Approved Block Form—State Publishing Co., Helena, Montana—4232.

File No. _____

STATE WATER CONSERVATION BOARD

T. 13N R. 20W

DUPLICATE

NOV 2 1966

County Missoula

Billie _____ McDermott _____

STATE OF MONTANA

Butcher _____ Merton _____

ADMINISTRATOR OF GROUNDWATER CODE

Coyne _____ Sullivan _____

OFFICE OF STATE ENGINEER

Barinton _____

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

George &/or

Owner John Romajavich Sr. Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 5/13/63 Date completed 5/15/63

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.

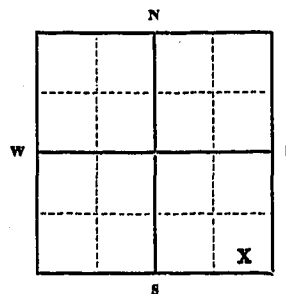
Top of Ground _____
(Elev. above sea level 3210)

Formations Log:

- 0 - 6 Pit
- 6 - 17 Dirty sand & gravel.
- 17 - 48 Clean sand & gravel. First water.
- 48 - 57 Gravel imbedded in tan clay.
- 57 - 66 Gray sand. Water.
- 66 - 81 Loose heaving sand & gravel. Gray color. Water.
- 81 - 84 Fine gray sand. Heaves. Water.
- 84 - 90 1/2 Clean coarse gravel. Some tan sand. Good water.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8 inch OD x 1/4"	-5	90 1/2	NONE		

Water rises in the well 14'6" from footing in well pit.



Static Water Level for non-flowing well 14'6" feet.

Shut-in Pressure for Flowing Well None Pumping Water Level 57 feet

at 100 gal. per minute.

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

How Tested Air Lift Pump

Length of Test One hour

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

SE 1/4 SE Sec. 26 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).

Approx. 1/4 acre

Show exact depth of bottom.

Bottom of hole 90 1/2'

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. Malone
Driller's Signature

41,577

59

255731

I received and filed this Instrument for
 record on the 28 day of Oct, 1906
 at 2:30 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
James H. Crouse County Recorder
 By David L. Runyan Deputy
 Fee \$ 2.00 Paid

How often to allow my lot of separate
 1906-1907

26

File No. _____

T. 15 N. R. 20 W.

DUPLICATE

County. Missoula

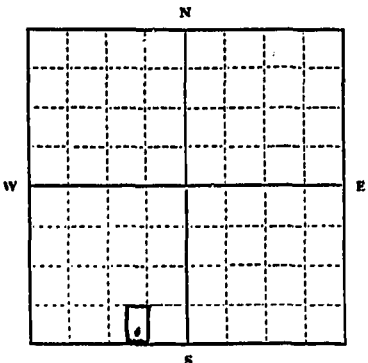
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 22 1964

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

I, Mathew Pomajevich, of 4610 S. 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:



SE 1/4 SW 1/4 Sec. 26 T. 15 N. R. 20 W

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

- The beneficial use on which the claim is based. Household and Irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been. 1952 Household every day
Irrigation each year during spring & Summer
- The amount of groundwater claimed (in miner's inches or gallons per minute). 450 gal. per Hour
- 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 garden & lawn
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. electric pump located on Lot 82 in O.H. # 6
SE 1/4 Of SW 1/4 Sec. 26 - T. 15 N. - R. 20 W.
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1952
- The depth of water table. 18 feet.
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Driven 4 inch Casing 50 feet deep
- The estimated amount of groundwater withdrawn each year. not known
- The log of formations encountered in the drilling of each well if available. not available or not known
- 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. Doesn't apply

Signature of Owner. Mathew Pomajevich
Date Jan 16, 1964

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.

33755

0/366

216449

I received and filed this instrument for
 record on the 17 day of January, 1941
 at 9:42 o'clock A. M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By Martin S. Behner Deputy
 Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDS DEPARTMENT
 MISSOULA, MONTANA
 JAN 17 1941

26

File No. _____

T 13 N R 20 W

DUPLICATE

County Missoula

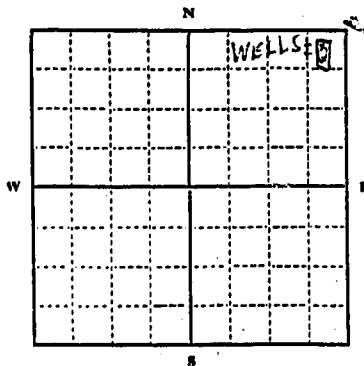
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

R
JAN 3 1968

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

1. Arthur R. Pritzl and/or Lorna K. Pritzl, of 4125 So. 7th St. N., Missoula, Mont.
(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 NE 1/4 Sec. 20 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
Irrigation and household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940 continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 350 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
Two wells, land is composed of pasture, garden and lawns.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Main well completed in 1940. The second well completed in 1960.

8. The depth of water table 15 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
Main well 4 in.; depth 42 ft.; Second well - 2 in. - Depth 18 ft.

10. The estimated amount of groundwater withdrawn each year 2,400,000 gal.

11. The log of formations encountered in the drilling of each well if available none 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 Arthur R. Pritzl
Lorna K. Pritzl
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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

19999

989 25207

I received certified this instrument for
 record 7:45 of 12 1963
 at 7:45 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
Walter S. Edinger, County Recorder
 By Walter S. Edinger Deputy
 Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA

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 J. W. Richardson

Address 4328 Mount

Date well started Aug 15, 71

completed Aug 18, 71

Type of well Driven

Equipment used Hammer

Water Use: Domestic Municipal Stock Irrigation

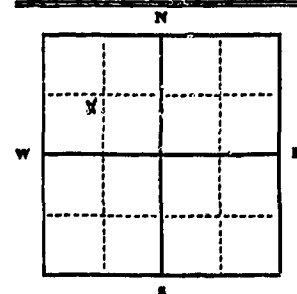
Industrial Drainage Other * Garden/Lawn

*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 306,000 gal.

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6"	6" IO.	1' above h.s.	52'	1/2" Round	Point	4'



Static water level 24 ft.
Pumping water level 24 ft.
at 2.3 gallons per minute,
measured 1.0 minutes after pumping began.

*Measured from ground level.
Well developed by air
for 3 hours.
Power AC 2.30 Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

N 1/2 S.W. 1/4 Sec. 26
T. 13 N. R. 30 W.

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

Driller's Signature J. W. Richardson Jr.

Driller's Address 4406 Mount Ave.

LICENSE NO.

County Missoula

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.

RECEIVED
MAR 20 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

Top of Ground (Elev. above sea level) 3138

From (Foot)	To (Foot)	
0	3	Soil
3	20	Gravel
20	26	Clay
26	39	Sand and Water
39	47	Clay
47	51	Gravel and Water

51' Show exact depth of bottom

2435

329460

I received and filed this instrument for
record on the 21st day of March 1973
at 1:10 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By M. M. Cunningham Deputy
Fee \$ 2.00 Paid cash

RECEIVED

File No. _____

T. 13 N. R. 20 W

DUPLICATE

DEC 21 1970

County MISSOULA

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Top of Ground
(Elev. above sea level 3,123)

0-2' TOP SOIL

2'-28' SAND AND GRAVEL

29'-40' GRAVEL AND WATER

Owner K.W. RICHARDSON Address 4720 MOUNT AVE.

Driller KEN RICHARDSON TR. Address 4406 MOUNT AVE.

Date of Notice of appropriation of groundwater _____

Date well started 10/14/70 Date completed 10/16/70

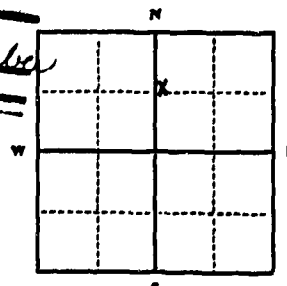
Type of well DRIVEN Equipment used HAMMER
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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" ID	GL To	40'	1" OVAL	POINT	6'

Doc. No. 295878
Filed for record
this 17 day of December
A. D. 19 70, at 10:00
o'clock A. M.



Static Water Level for non-flowing well 11 feet.

Shut-in Pressure for Flowing Well _____ feet

Pumping Water Level 11 feet
at 2.5 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested AIR COMPRESSOR

Length of Test 2 HR.

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

N 2 1/4 Sec 26 T13N 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).

IRRIGATION FOR 2.19 ACRES
LOT # 4 BLOCK 3 RR ACRES

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

Ken Richardson Jr.
Driller's Signature.

47925

2074 297878

I received and filed this instrument for record on the 17th day of Dec. 1972 at 10:45 a.m. permanent files of Missoula County, State of Montana. Witness my hand: Veronica R. Cruse, County Recorder By W. A. Crumley, Deputy Fee \$2.00 W. A. Crumley

Doc. No. _____
Lined back _____
Y. O. B. _____
to _____

MISSOULA COUNTY RECORDS

File No. _____

T 13 NR 20 W 20

DUPLICATE

County MISSOULA

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

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



Top of Ground
(Elev. above sea level 3,120)
0 - 5' TOP SOIL
5 - 36' SAND AND GRAVEL
36' - 40' GRAVEL AND WATER

Owner K.W. RICHARDSON Address 4328 MOUNT AVE

Driller K.E.N. RICHARDSON JR Address 4406 MOUNT AVE

Date of Notice of appropriation of groundwater _____

Date well started 10/2/70 Date completed 10/4/70

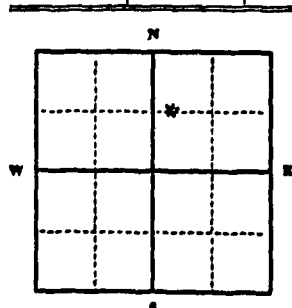
Type of well DRIVEN Equipment used HAMMER
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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" I.O.	0 to 40'	1" OVAL	POINT	6'	

Doc. No. 397877
Filed for record
this 17 day of December
A. D. 1970, at 10:05
o'clock A. M.



Static Water Level for non-flowing well
...10... feet.

Shut-in Pressure for Flowing Well
Pumping Water Level...10... feet

at...25... gal. per minute.
Discharge in gal. per min. of flowing well

How Tested A.R. C.M. PRESSURE
Length of Test 2 H.R.

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

N 1/4 Sec 26 T13N 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).

IRRIGATION FOR 2.07 ACRES
LOT #3 BLOCK 2 RR ACRES

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

Ken Richardson Jr.
Driller's Signature.

47926

2023

297877

I received and filed this instrument for
record on the 17th day of Dec 1970
at 10:05 o'clock P.M. pursuant to
of Mississipi County, State of Missouri
Witness my hand
Veronica R. Cooney, County Recorder
By *M. M. Cunningham, Deputy*
Fee \$2.00 *Pradhal*

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

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

Developed after January 1, 1962

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

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

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

Owner KW RICHARDSON

Address 4328 MOUNT AVE
MISSOULA, MONTANA

Date well started MARCH 4, 71
completed MARCH 5, 71

For Administrator's Use	
File	<u>304476</u>
	<u>June 30, 1971</u>
	<u>4:30 PM</u>
GW 1	

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

Equipment used HAMMER
(Churn drill, rotary or other)

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

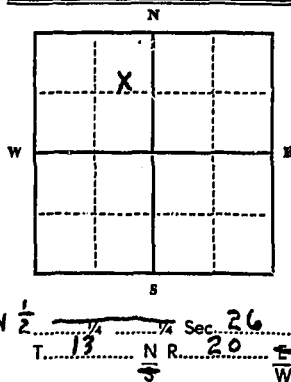
*Describe

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). IRRIGATION FOR 2.42 ACRES
LOT # 2 BLOCK 3 PR ACRES

ESTIMATED ANNUAL WITHDRAWAL 73,000 gal.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6"</u>	<u>6" I.D.</u>	<u>1'</u>	<u>51'</u>	<u>1" OVAL</u>	<u>POINT</u>	<u>6'</u>



Static water level 8 ft.*
Pumping water level 8 ft.*
at 2.5 gallons per minute,
measured 5 minutes after pumping
began.
*Measured from ground level.
Well developed by AIR COMPRESSOR
for 42 hours.
Power AC Pump 1/2 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

Top of Ground (Elev. above sea level) 3,123

From (Feet)	To (Feet)	
<u>0</u>	<u>2</u>	<u>TOPSOIL</u>
<u>2</u>	<u>8</u>	<u>SAND AND GRAVEL</u>
<u>8</u>	<u>23</u>	<u>SAND AND GRAVEL</u>
<u>23</u>	<u>42</u>	<u>SAND AND WATER</u>
<u>42</u>	<u>50</u>	<u>GRAVEL AND WATER</u>

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

Driller's Signature Ken Richardson Jr.

Driller's Address 4406 Mount Ave.

Missoula, Montana LICENSE NO. _____

50' Show exact depth of bottom

304476

I received and filed this instrument for
record on the 30th day of June 1971
at 11:30 o'clock P.M. permanent file
of Missoula County State of Montana
Witness my hand
Vernon R. Cross, County Recorder
By *[Signature]* Deputy
Fee \$2.00 *[Signature]*

GW 2

File No.

DUPLICATE

File No. 304478
Filed for record this 30 day of June A. D. 19 71 at 4:42 o'clock P. M.

Approved Stock Form—State Publishing Co., Helena, Montana—30551

T. 13 N. R. 20 W.

County MISSOULA

LOG

RECEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

JUN 1971

Top of Ground

(Elev. above sea level 3,151)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

0 to 1' Top soil

1' to 23' SAND AND GRAVEL

23' to 59' GRAVEL AND WATER

Owner K.W. RICHARDSON Address 4328 MOUNT AVE.

Driller KEN RICHARDSON JR Address 4406 MOUNT AVE.

Date of Notice of appropriation of groundwater

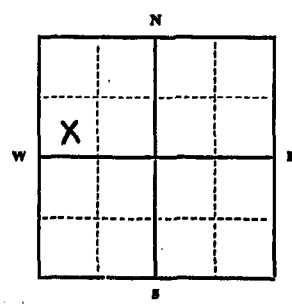
Date well started 1/20/71 Date completed 1/21/71

Type of well DRIVEN Equipment used HAMMER
(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" I.D.	1' ABOVE G.L.	59'	1" OVAL	POINT	6'



Static Water Level for non-flowing well 23 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 23 feet

at 25 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested AIR COMPRESSOR

Length of Test 2 HR.

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

N. 2 - S. W. 1/4 Sec. 26. T. 13 N. R. 20 W

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

Ken Richardson Jr.
Driller's Signature.

48693

2148

304428

I received and filed this instrument for
 record on the 30th day of June 1971
 at 4:40 o'clock P.M. permanent files
 of Missoula County, State of Montana
 Witness my hand
 Verance R. Crouse, County Recorder
 By [Signature], Deputy
 Fee \$2.00 Paid [Signature]

1971
 JUN 30
 4:40 P.M.

	X	

MISSOULA COUNTY CLERK
 MISSOULA, MONTANA
 JUN 30 1971
 4:40 P.M.

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 K.W. RICHARDSON

Address 4328 MOUNT AVE.
MISSOULA, MONTANA

Date well started MARCH 2, 71
completed MARCH 3, 71

For Administrator's Use	
File	<u>304477</u>
	<u>June 30, 1971</u>
	<u>4:35 PM</u>

Type of well DRIVEN

Equipment used HAMMER

Water Use: Domestic Municipal Stock Irrigation

Industrial Drainage Other Garden/Lawn

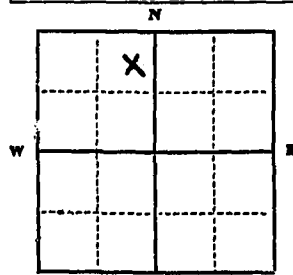
*Describe

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).

IRRIGATION FOR 2.5 ACRES
LOT #1 BLOCK 3 RR ACRES

ESTIMATED ANNUAL WITHDRAWAL 75,000 GAL.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6"</u>	<u>6" I.D.</u>	<u>1' ABOVE G.L.</u>	<u>40'</u>	<u>1" OVAL</u>	<u>POINT</u>	<u>6'</u>



Static water level 8 ft.*
Pumping water level 8 ft.*
at 2.5 gallons per minute,
measured 5 minutes after pumping began.

*Measured from ground level.
Well developed by AIR COMPRESSOR
for 22 hours.

Power A.C. Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

N 1/2 Sec. 26
T 13 N.R. 20
W

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

Driller's Signature Ken Richardson Jr.

Driller's Address 4406 Mount Ave.

Missoula, Montana LICENSE NO.

DRILLER'S LOG

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

Top of Ground (Elev. above sea level) 3123

From (Feet)	To (Feet)	
<u>0</u>	<u>3</u>	<u>TOPSOIL</u>
<u>3</u>	<u>8</u>	<u>SAND AND GRAVEL</u>
<u>8</u>	<u>28</u>	<u>SAND AND WATER</u>
<u>28</u>	<u>39</u>	<u>GRAVEL AND WATER</u>

39' Show exact depth of bottom

2147

304477

I received and filed this instrument for
record on the 30 day of March 1971
at 4:35 o'clock P.M. permanent file
of Missoula County State of Montana
Witness my hand
Keramos J. [unclear] County Recorder
By [unclear] Deputy
Fee \$6.00 [unclear] Paid

File No.

T 13 N R 20 W

DUPLICATE

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Top of Ground
(Elev. above sea level 3,119)

0 to 7' Topsoil
7' to 20' sand and gravel
20' to 31' sand
31' to 46' 1"
gravel and water

Owner K.W. Richardson Address 4328 Mount Ave.

Driller Ken Richardson Jr. Address 4406 Mount Ave.

Date of Notice of appropriation of groundwater.....

Date well started 7/7/70 Date completed 7/2/70

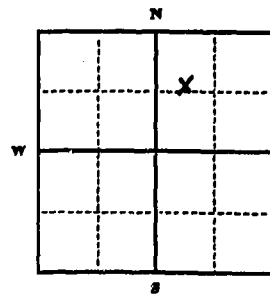
Type of well Driven Equipment used Hemmen
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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. 293661
Filed for record
this 6 day of August
A. D. 19 70, at 2:45
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" I.D.	1' 0" above G.L.	45'	1" oval	Point	6'



Static Water Level for non-flowing well 8 feet.

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

Pumping Water Level..... 8 feet

at 25 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Air Compressor

Length of Test 1 1/2 hr.

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

N 1/2 Sec 26 T. 13 N. R. 20 W
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).

Irrigation for 2.5 Acres
Lot 14 Block 2 R.R. Area

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

Ken Richardson Jr.
Driller's Signature.

47333

2024

293661

I received and filed this instrument for
 record on the 6th day of Aug, 1970,
 at 2:45 o'clock P.M., pursuant to the
 of Missoula County, State of Montana
 Witness my hand:
 Vermae R. Crouse, County Recorder
 By M. J. [Signature] Deputy
 Fee \$2.00 [Signature]

This instrument is subject to the provisions of the
 Montana Recording Act, Chapter 10, Title 70, MCA
 and the provisions of the Montana Real Estate
 Records Act, Chapter 10, Title 70, MCA.

File No.

T. 13 N. R. 20 W. 20

DUPLICATE

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Owner H. W. Richardson Address 4328 Mount Ave.

Driller Ken Richardson Jr. Address 4406 Mount Ave.

Date of Notice of appropriation of groundwater.....

Date well started 7/15/70 Date completed 7/17/70

Type of well Driven Equipment used Hammer
(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.



Top of Ground
(Elev. above sea level 3,124)

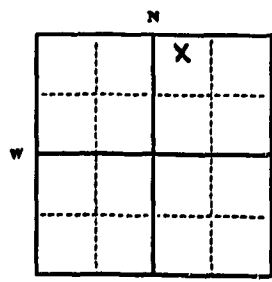
0 to 7' topsoil

7' to 35' sand and gravel

35' to 43' 6"
gravel and water

Doc. No. 293663
Filed for record
this 6 day of August
A. D. 19 70, at 2:55
o'clock P. M.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)		PERFORATIONS		
		To (Feet)	Kind Size	From (Feet)	To (Feet)	
6"	6" I.D.	1' 6" Above G.L.	43'-6"	1" Oval	Point	6'



Static Water Level for non-flowing well 1.0 feet.
 Shut-in Pressure for Flowing Well.....
 Pumping Water Level 1.0 feet
 at 25 gal. per minute.
 Discharge in gal. per min. of flowing well

How Tested Air Compressor
 Length of Test 1 1/2 hrs.
 Remarks: (Gravel packing, cementing, packers, type of shutoff).....

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

Irrigation for 2.5 acres
Lot # 2 Block 1 P.R. Acres

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

Ken Richardson Jr.
Driller's Signature.

47335

2026

293663

I received and filed this instrument for
record on the 6th day of Aug. 1970.
at 2:55 clock P. M. per instrument filed
of Missoula County, State of Montana
Witness my hand.
Veramo H. Crouse, County Recorder
By M. M. Conroy, Deputy
Fee \$2.00



File No. _____

MONTANA WATER RESOURCES BOARD
RECEIVED

T 15W R 20W

DUPLICATE

County Missoula

LOG

JUL 10 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground _____

Approx. (Elev. above sea level) 3200 f.t.a.)

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 - 2 Topsoil.
- 2 - 15 Boulders and cobblestones mixed in tan sandy clay.
- 15 - 24 Silty sand and gravel mixed.
- 24 - 41 Gravel imbedded in clay.
- 41 - 45 Silty sand.
- 45 - 64 Gravel imbedded in clay.
- 64 - 66 Fine sand and gravel.
- 66 - 69 Fine sand and gravel mixed in clay.
- 69 - 72 Clean coarse gravel. Water.

Owner Edward R. and Carol A. Robison Address Missoula

Driller Liberty Drilling Co. Address Missoula

Date of Notice of appropriation of groundwater None filed

Date well started 6/4/69 Date completed 6/4/69

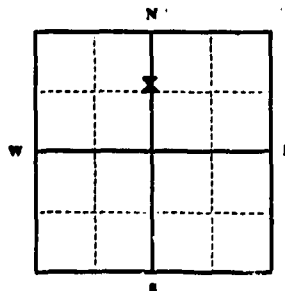
Type of well Driven Equipment used Wall driving rig
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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 and Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/4"	+2	72	Torch Cut	69'	72'

Water rises in the well at 5 ft. from surface.



Static Water Level for non-flowing well _____ 5 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level _____ 42 feet at _____ 80 gal. per minute.

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

How Tested Air Lift Pump

Length of Test _____ 5 hrs.

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

N 1/4 Sec 26 T 15W R 20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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

Lot 2, Block Two, Double R Acres, Approx. 2 1/4 acres.

Show exact depth of bottom.

Bottom of well 72 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 S. Dahme
Driller's Signature

15419

1712

282820

I received and filed this instrument for record on the 2nd day of January, 1967, at 11:30 o'clock P.M. in the files of Missoula County, State of Montana

Witness my hand:
 Verance R. Coates, County Recorder
 By [Signature] Deputy
 Fee 12.00 Paid [Signature]

RECEIVED
 MISSOULA COUNTY RECORDER'S OFFICE

1.e.e. they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

Vertical text on the right edge of the page, possibly a page number or reference code.

File No.

T. 13 R. 2026
County P. Missoula

DUPLICATE

LOG

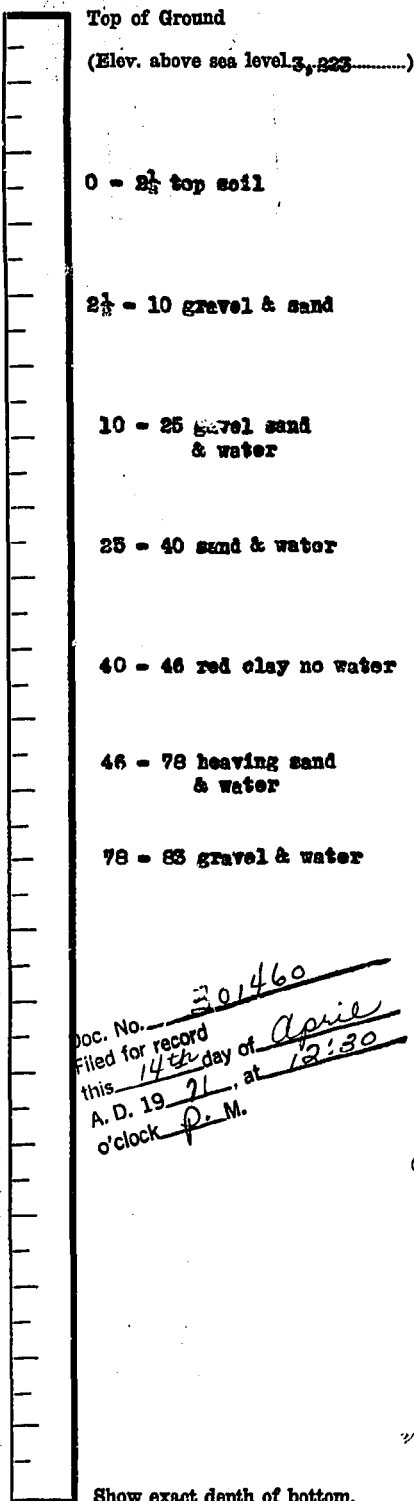
APR 10 1971

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 ~~Edward Missoula~~ Side Root Address Edward Missoula, Montana

Driller Harold K. Pickens Address 3624 So. Ave. Helena

Date of Notice of appropriation of groundwater

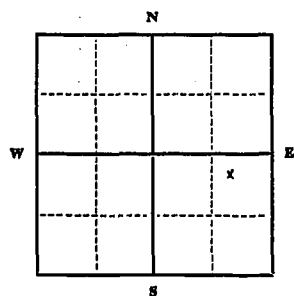
Date well started 7/10/70 Date completed 7/12/70

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 in.	16 lbs per ft.	0	83	none		



Static Water Level for non-flowing well 8 ft from top set.

Shut-in Pressure for Flowing Well

Pumping Water Level 10 ft from top set at 45 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested compressor

Length of Test 2 1/2 hrs.

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

20 N. 1/4 SE. 26 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

48358

2115

301460

I received and filed this instrument for
 record on the 14 day of Apr, 1971
 at 12:30 o'clock P.M. permanent files
 of Missoula County, State of Montana
 Witness my hand
 Veronique R. Crouse, County Recorder
 By M. J. Mahoney, Deputy
 Fee 5.00 Paid

of
 to
 to

Notarized in the presence of the following
 witnesses:

File No.

DUPLICATE

MONTANA WATER RESOURCES BOARD RECEIVED

APR 16 1971

County

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 3,223)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1963

(Under Chapter 237, Montana Session Laws, 1961)

0 - 2' top soil

Owner Edward E. Root Address Edward Missouri, Montana

2 1/2 - 10 gravel & sand

Driller Harold K. Pickens Address 3624 So. Ave. Helena

Date of Notice of appropriation of groundwater

10 - 25 gravel sand & water

Date well started 7/10/70 Date completed 7/12/70

Type of well drilled Equipment used cable tool

Water use: Domestic, Municipal, Stock, Irrigation, Industrial, Drainage, Other

25 - 40 sand & water

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.

40 - 48 red clay no water

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)).

46 - 78 heaving sand & water

78 - 83 gravel & water

Static Water Level for non-flowing well 8-ft from top

Shut-in Pressure for Flowing Well

Pumping Water Level 10 ft from top at 45 gal. per minute

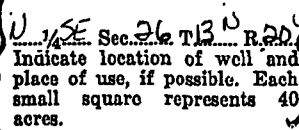
Discharge in gal. per min. of flowing well

How Tested compressor

Length of Test 3 1/2 hrs

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

Handwritten notes: Filed for record this 14th day of April A.D. 1971 at 12:30 o'clock P.M.



(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.

Driller's License Number

Driller's Signature

File No.

T. 13 N R. 20 W 26

DUPLICATE

County. Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level 3,130)

Notice of Completion of Groundwater
Appropriation by Means of Well

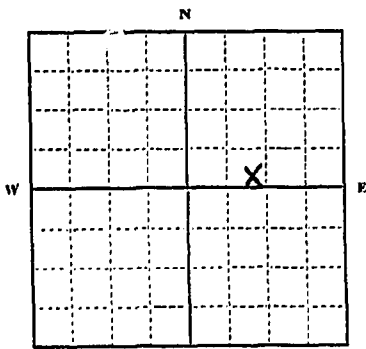
(Under Chapter 237, Montana Session Laws, 1961)

0 to 17' Sand gravel &
boulders
17' to 25' Sand & gravel
25' to 35' sand
35' to 57' Sand
57' to 63' Sand & gravel
63' to 91' Sand
91' to 92' Gravel &
water

Owner. Dennis Ruena Address. 4328 Mount
Driller. Glenn Camp 705 Alder Address. Missoula, Mont
Date of Notice of Appropriation of Groundwater.
Date well started. 5/22/65 Date Completed. 5/26/65
Type of well. Drilled Equipment Used. Churn dr. 111
(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. 14.62 #	G.L. to	92'-1"	None		



1/2 NW 1/4 Sec 26 T3N. R20W
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well. 11 feet.
Shut-in Pressure for Flowing Well.
Pumping Water Level. 14 feet at 20 gal. per minute.
Discharge in gal. per min. of flowing well.
How Tested. Air compressor Length of Test. 45 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).....
1' of gravel in casing.
Put out a 100 G.P.M. with compressor

Show exact depth of bottom.

Doc. No. 293662
Filed for record
this 6 day of August
A. D. 19 72, at 2:50
o'clock P.M.

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.

47334

2025

293662

I received and filed this instrument for
record on the 20 day of July, 1970
at 2:50 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
Verance R. Crouse, County Recorder
By M. M. Crouse, Deputy
Fee \$ 2.00 Paid ll

MISSOULA COUNTY RECORDS DEPARTMENT
MISSOULA, MONTANA

File No.

T. 13N R. 20W

DUPLICATE

County Missoula 26

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1968

Notice of Completion of Groundwater Appropriation by Means of Well

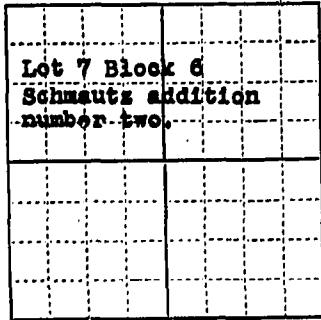
(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground (Elev. above sea level) Approx. 3200'

- 0 - 2 Top soil
- 2 - 19 Gravel & cobbles. Water in lower part.
- 19 - 24 Small gravels imbedded in sandy clay
Owner: William K. Samsel Jr. Address: Missoula, Montana
- 24 - 59 Silty sand
Driller: Liberty Drilling Co. Address: Missoula, Montana
- 59 - 63 Tan clay with some gravel imbedded
Date of Notice of Appropriation of Groundwater: None filed
- 63 - 66 Loose fine sand
Date well started: 4/20/62 Date Completed: 4/24/62
- 66 - 78 Loose coarse sand. Some gravel mixed in.
Type of well: Drilled Equipment Used: Cable tools
(dug, driven, bored or drilled) (Churn, drill, rotary or other)
- 78 - 82 Gravel and coarse sand.
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"	7" OD X 24 # pr ft	Plus 1'	82 1/2'	none		



1/4 Sec 26 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.

Bottom of well....82 1/2 ft.

Static Water Level for non-flowing Well... 9'8" feet.

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

Pumping Water Level... 37' feet at 80 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).....

All water entering well through the open bottom of the seven inch casing.

52

Driller's License Number

William F. Osborne
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.

214207

Copy
I received and filed this instrument for
record on the 12 day of Dec 19 03
at 11:50 o'clock A. M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By Martin S. Behner Deputy
Fee \$ 2.00 Paid

MISSOULA COUNTY
RECORDS DEPARTMENT
MISSOULA, MONTANA

Official Business Penalties for Private Communication
Penalty for Private Communication \$100

File No. NOV 23 1965

T. 13^N R. 20^W 26

DUPLICATE

Billie _____ McDermott _____
Butzerin _____ McNulty _____
Coyler _____ Morton _____
Darinton _____ 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
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0 to 7' Pit
7' to 23' Gravel
23' to 56' Clay
56' to 58' Sand & water
58' to 59' Gravel &
water

Owner Robert Simmons Address 2033 Park

Driller Glenn Camp 705 Alder Address Missoula, Mont

Date of Notice of appropriation of groundwater _____

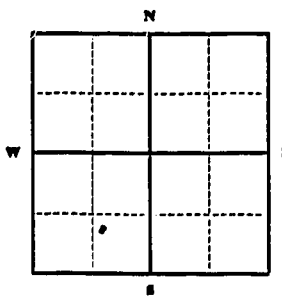
Date well started 10/13/65 Date completed 10/14/65

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" I.D.	16" above fastings				
	1 7/8" casing	in pit to 53'-11"		none		



Static Water Level for non-flowing well 25 feet.
Shut-in Pressure for Flowing Well _____
Pumping Water Level 28 feet
at 24 gal. per minute.
Discharge in gal. per min. of flowing well _____

How Tested Boiler, 1 hour
Length of Test with Compressor

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

S.E. 1/4 Sec 16, 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).

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.

License # 7
Driller's License Number

Glenn Camp
Driller's Signature

1539

243979

I received and filed this instrument for
record on the 18 day of Nov. 1965
at 1:53 o'clock P.M., permanent files
of Missouri County, State of Missouri
Witness my hand:
Verance R. Couse, County Recorder
By M. M. Conroy, Deputy
For \$2.00 Palmer

PLATE

NO. 1

NO. 2

NO. 3

NO. 4

NO. 5

County Missoula

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 Sharon Joyce Sines

Address 4210 North Ave.

Missoula, Montana

Date well started 4/12/71

completed 4/14/71

For Administrator's Use	
File	<u>303280</u>
	<u>June 2, 1971</u>
	<u>2:30 PM</u>
GW 1	

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

Equipment used Cable tools
(Chain drill, rotary or other)

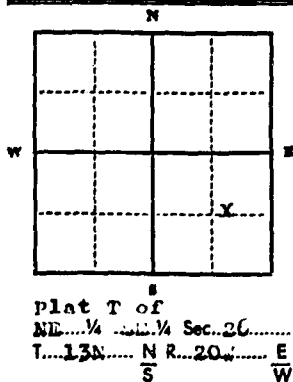
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other * Garden/Lawn

*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). Approximately 1 acre

ESTIMATED ANNUAL WITHDRAWAL 26,280,000 gallons

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 3/4"	+1'11"	88'	N	O	N



Static water level 231.9 ft.*
Pumping water level 74.1 ft.*
at 50 gallons per minute,
measured 2 1/2 minutes after pumping
began. hours
*Measured from ground level.
Well developed by Air Lift
for 2 1/2 hours. Pump
Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) All
water entering well is
coming through open
bottom of six inch
casing. Wells in this

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

Driller's Signature William F. Baker
Driller's Address 2500 Reserve Street
Missoula, Montana LICENSE NO. 52

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		Approx.
From (Feet)	To (Feet)	(Elev. above sea level) <u>3130'</u>
0	3	Brown topsoil
3	22	Gravel, cobbles and boulders
22	70	Gravel and sand
70	77	Small gravel, sand and clay
77	85	Silty sand with cobblestones mixed in
85	88	Clean coarse sand and gravel, water

88 ft. Show exact depth of bottom
Water rises in well 23'9"
from surface.

48578

2140

303280

I received and filed this instrument for
record on the 2nd day of January, 1971
at 2:30 o'clock P.M. / permanent files
of Missouri County, State of Missouri
Witness my hand.
Veronica A. Criss, County Recorder
By M. M. Mangrum, Deputy
Fee 2.00 Paid back

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
be pumped at rates not in excess of 50 to 60 percent of the tested
capacity of the aquifer.

File No. _____

T. 13N R 20W

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

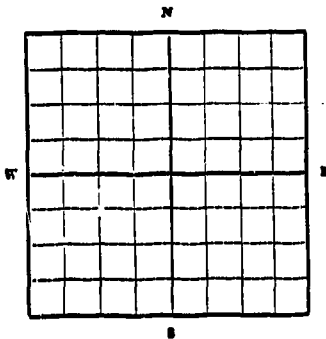
RECEIVED
JAN 8 1964

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

KARL E. SORENSON (Name of Appropriator) of 4300 South Av. W. (Address) Missoula (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 Household + Lawn purposes
3. Date or approximate date of earliest beneficial use; and how continuous the use has been November 1956 + CONTINUOUS SINCE
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gal per min as capacity of pump
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Lot 1 Block 2 Forrest View Addition Approx 1/2 Acre -
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1/4 hp electric motor - 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 started Oct 1956 completed Nov 1956
8. The depth of water table 1st at 25 ft. 2nd at 50 ft. 3rd at 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 6" casing - driven - 3/4 hp motor - depth of 65 ft.
10. The estimated amount of groundwater withdrawn each year not available
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 UNKNOWN

Signature of Owner Karl E. Sorenson

Date Dec. 31 1963

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

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

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

635 215408

I received and filed this instrument for record on the 21 day of Dec 1903 at 11:49 o'clock A.M., permanent file of Missoula County, State of Montana
Witness my hand:
MAYN S. BEHNER, County Recorder
By *[Signature]* Deputy
Fee \$ *[Signature]* Paid

MISSOULA COUNTY, MONTANA
RECORDED IN BOOK 11 PAGE 110
INDEXED IN BOOK 11 PAGE 110
MAYN S. BEHNER, County Recorder
By *[Signature]* Deputy

ADDENDUM

Form: Declaration of Vested Groundwater Rights

Notice of Completion of Groundwater
Appropriation by Means of Well

Name of owner: Bereniece D. Stewart

Corrected land description: 1 NE 1 SW 1 NE
Sec. 26 T 13 N R 20 W

Initials: CS

File No. _____

T. 13N R 20W 26

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

(D) _____

JAN 2 1964

Declaration of Vested Groundwater Rights **STATE ENGINEER**

(Under Chapter 237, Montana Session Laws, 1961)

1. Berenice D. Stewart, of 4607 North Ave. 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:

N			
		*	
W			E

Lot 71 Orchard Home Company's
Addn #6
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 household and irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Since 1915
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 60 gals per min
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1/2 acre
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal automatic electric pump
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater prior to 1915
- 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 75 ft each well - 4" pipe
- 10. The estimated amount of groundwater withdrawn each year 50,000 gal
- 11. The log of formations encountered in the drilling of each well if available Top soil, small gravel and 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 not available

Signature of Owner _____

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.

979

215453

I received and filed this instrument for
record on the 29th day of Dec. 1903
at 12 o'clock P. M. permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BECKER County Recorder
By *Martin S. Becker* Deputy
Fee \$ 2.00 Paid

2439 329461

I received and filed this Instrument for
record on the 21st day of March 1973.
at 1:15 o'clock P. M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By M. M. Campbell, Deputy
Fee \$ 2.00 Paid cash

2383

325748

I received and filed this instrument for
 record on the 12th day of Dec 1972
 at 4:00 o'clock P.M. permanent file
 of Missoula County, State of Montana
 Witness my hand
 Varian J. Cruise, County Recorder
 By 221-771 Deputy
 Fee \$2.00

Microfilm done
 4/11/11
 10-21-72
 10-26-75
 10-21-77
 10-26-75

Boyle
 12/19/72
 P. J. L. Jr.
 HOWE
 MISSOURI

MISSOURI

MISSOURI

RECEIVED
OCT 2 1957

T. R. 26
County Missoula

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Arlon C. Harrison 91¹/₂ Woodrow Ave. Oildale, Calif.
 Address: 705 Alder
 Driller: Glenn Carp Missoula, Montana
 Address: _____
 Date Started: August 14, 1957 Date Completed: August 17, 1957
Lot 71, Crohard Home Company Addition No. 6
 Location: Sec. 26 T. 18 N R. 20 W 1/4 sec. SW 1/4
Missoula, Montana

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

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

Casing: (0) _____ ft. to 63 ft. Type: Std. welded Size: 5" ID
 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: 23 feet.

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

Pumping water level: 25 feet at 75 gal. per min.
 Compressor

How tested: 2 hours

Length of test: _____

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

(over)

026

File No. _____

T13N R20W

DUPLICATE

County: Missoula

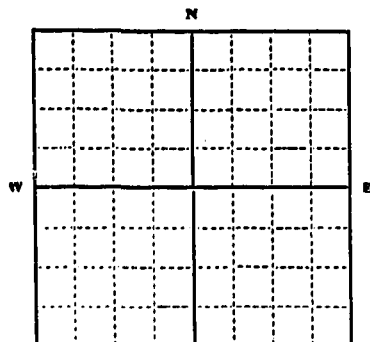
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 13 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Arken Calvin Thompson, of Hill North 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:



Orchard Homes Addition #6, Lot 71
SW 1/4 Sec 26 T13N R20W

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 IRRIGATION USE
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been: AUGUST 17, 1957 - USED EVERYDAY SINCE DRILLED
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute): 7.5 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: 1/3 ACRE - GARDEN + YARD - ROCKY SOIL OWNER - ARKEN CALVIN THOMPSON
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: hp. pressure pump - SOUTHEAST CORNER OF HOUSE. NO OTHER MEANS OF WITHDRAWAL

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commencement - Aug. 14, 1957 Completion Aug. 17, 1957
- 8. The depth of water table: Static water level at non-flowing well 23ft.
- 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 1/2" - 5 1/2" - 5" I.D. STANDARD CASING. Depth - 63 ft. NO PERFORATIONS
- 10. The estimated amount of groundwater withdrawn each year: 1,200,000 gallons
- 11. The log of formations encountered in the drilling of each well if available: 0-14' Top soil + small GRAVEL - 14'-20' SAND + SMALL GRAVEL - 20'-60' WATER SAND 60'-63' WATER GRAVEL + 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: Filed with Montana State Board of Health Oct. 8, 1957 Wellers Reg. = 215 Deed Recorded with Jun. 4 - BOOK # 208, Page 268 - Filing late due to being out of State date of deadline date.

Signature of Owner: Arken Calvin Thompson
Date: January 9, 1964

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.

31425

216147

I received and filed this instrument for
record on the 5 day of June 1967
at 11:40 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER County Recorder
By Alvin J. Behner Deputy
Fee \$ 0.00 Paid