

971

2154 45

I received and filed this instrument in
 record book No. 971 of 1915
 at 11 o'clock A. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
Wm. S. BECKER, County Recorder
 By Wm. S. BECKER Deputy
 Fee \$ 2.00 Paid :

MISSOULA COUNTY, MONTANA
 DEPARTMENT OF RECORDS
 RECEIVED TO RECORD THIS INSTRUMENT
 THE INSTRUMENT WAS FILED IN RECORD BOOK NO. 971 OF 1915
 AT 11 O'CLOCK A.M. PERMANENT FILES
 OF MISSOULA COUNTY, MONTANA
 WITNESSED BY MY HAND
 Wm. S. BECKER
 COUNTY RECORDER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

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.

(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 School District No. 1
Address 215 South Sixth St. West
Missoula, Montana
Date well started 8/3/72
completed 8/15/72

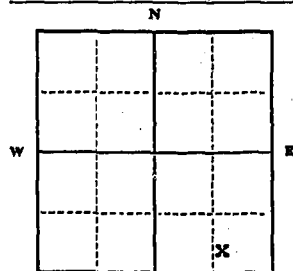
For Administrator's Use
File 2455, 330.596
April 13, 1973
GW 1 1:05 p.m.

Type of well Drilled
Equipment used Cable Tool Rig
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). Approx. Six Acres

ESTIMATED ANNUAL WITHDRAWAL 78,840,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8 5/8" OD x .280	+2	90	Copper Alloy Louvered Screen	90	98
	6 5/8" OD blank belled in & welded			blank tailpipe with bottom in & one inch plate solidly on bottom	98	104'8"



SE 1/4 SE 1/4 Sec. 29
T. 13 N. R. 19 W.

Static water level 40 ft.*
Pumping water level 84 ft.*
at 300 gallons per minute,
measured 1200 minutes after pumping began.
*Measured from ground level.
Well developed by Air Lift Pump
for Twenty hours.
Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through slot openings in water well screen. Wells in this area can be

Top of Ground Approx (Elev. above sea level) 3180'

From (Feet)	To (Feet)	Description
0	1	Topsoil
1	48	Gravel, cobblestones and boulders
48	59	Sand, gravel and cobblestones
59	79	Silty sand and gravel
79	81	Fine sand and gravel
81	83	Sand and gravel with stringers of gray clay
83	84	Fine sand and large gravels
84	86	Sand with some gravel mixed in
86	86	Large gravels, sand
86	90	Fine sand and large gravels with stringers of gray clay
90	98	Clean coarse gravel and sand
98	104'8"	Gravel and sand/

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

LIBERTY DRILLING COMPANY
Driller's Signature [Signature]
Driller's Address 2500 Reserve Street
Missoula, Montana LICENSE NO. 52

104'8" Show exact depth of bottom
Water rises on well 40 feet from surface.

52,943

2455

330596

I received and filed this Instrument for
 record on the 13 day of April 1977
 at 1:05 o'clock P. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
Dorothy L. Head County Recorder
 By Deane Stone Deputy
 Fee \$2.00 Paid

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 40 to 50 percent of the tested capacity of the aquifer.

SEARCHED	INDEXED
SERIALIZED	FILED
APR 13 1977	
MISSOULA COUNTY, MONTANA	

File No.

T. 3 N R 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. ^{we} Cathy & Edw. Talorsky, of 2007 England Ave Missoula
(Name of Appropriator) (Address) (Town)

County of Missoula, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is for trailer court lots 34-5
Butte add. & lots 7, 8, 9, 10 and 11. Car line add. also Home Held 2007 Engle
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed.....
1000 G.P.H.

4. The annual period (inclusive dates) of intended use year around.

5. The probable or intended date of first beneficial use April 1st 1964

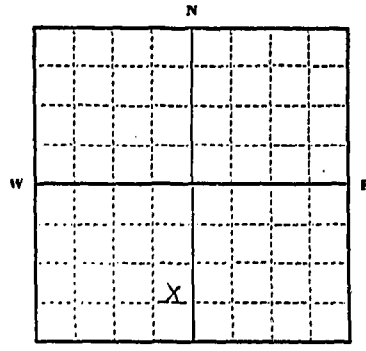
6. The probable or intended date of commencement and completion of the well* or wells* End
of March 1964

7. The location, type, size and depth of well or wells contemplated Lot 7 & 8 Block 16
Car line add. Drilled 6" and around 70 ft deep.

8. The probable or estimated depth of the water table or artesian aquifer 70 ft

9. Name, address and license number of the driller engaged John Fernal
Butte Montana License do not know.

10. Give such other similar information as may be useful
in carrying out the policy of this act.....



S.E. 1/4 Sec. 29 T. 13 R. 19
Locate well or other means of
development as accurately as
possible on the plat.

Signature of Appropriator Edw. Talorsky

Date Dec 30 - 63

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

741

215149

Capt
 I received and filed this instrument for
 record on the *30* day of *Dec*, 19*65*
 at *1:14* o'clock *A.M.*, permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARVIN S. EDINGER, County Recorder
 By *Martin A. P.*
 Fee \$ *2.00* Paid

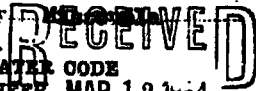
File No.

T. 13^N R. 19^W

DUPLICATE

County Blaine

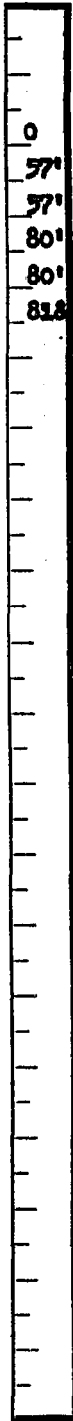
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER MAR 12 1964



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

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)



57' Cobble Rock Clay Gravel
57' Sand Water
80' Water Pea Gravel
81.8

Owner Ed Faborsky Address 2007 England Ave

Driller John Farrell Address Arlee Mont

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

Date well started Feb 27 1964 Date Completed March 5 1964

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 1897#	0'	81'			

Pipe 20" Above Ground Level

Total Pipe 83' 10"

Static Water Level for non-flowing Well..... 43' feet.

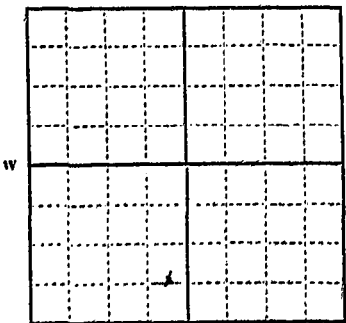
Shut-in Pressure for Flowing Well.....

Pumping Water Level..... 75' feet at 50 gal. per minute.

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

How Tested..... Ballor & Compressor 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).....



SE 1/4 Sec 29 T. 13 R. 17
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 14

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.

35446

7397 218707

I received and filed this instrument for record on the 7 day of Feb. 1964 of 2:00'clock P.M., permanent file of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By Patricia Lane Deputy
Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDS

STATE ENGINEER
RECEIVED
MAR 11 1964

2

MISSOULA COUNTY RECORDS
RECEIVED
MAR 11 1964

RECEIVED

County Missoula 29

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

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.

(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 Donald &/or Edna Mae Thompson
Address 309 West View Drive
Missoula, Montana
Date well started 10/8/64
completed 10/10/64

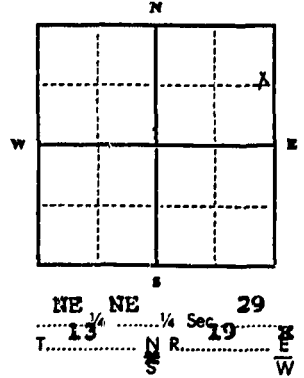
For Administrator's Use		
File	<u>330447</u>	
	<u>4136m</u>	
GW 1	<u>7-2-73</u>	

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. Lot, Block and Addition) Lot 13 through Block 40, South Missoula Addition, 40* vno-ated by city

ESTIMATED ANNUAL WITHDRAWAL 26,280,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind	From (Foot)	To (Foot)
6"	6 1/2" OD x 7"	4'3"	85	N	O	N



Static water level 44 ft.*
Pumping water level 63 ft.*
at 180 gallons per minute,
measured 35 minutes after pumping
began.
*Measured from ground level.
Well developed by air lift pump
for three hours.
Power gas Pump 35 HP
Remarks: (Gravel packing, cementing
packers, type of shutoff)
entering well through
open bottom of six inch
casing

From (Foot)	To (Foot)	Approx. (Elev. above sea level)
0	12	Gravel, cobbles, boulders with some tan clay mixed in
12	34	Coarse brown gravel & cobbles
34	60	Red sand & gravel. Some water
60	69	Gravel imbedded in tan clay
69	81	Fine sand & gravel. Some sandy water
81	85	Clean coarse sand and gravel. Water

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

Driller's Signature Liberty Drilling Company
Driller's Address 2500 Reserve Street
Missoula, Montana
LICENSE NO. 52

85' Show exact depth of bottom water rises in well 44 feet from surface

5588

2590

33447

I received and filed this instrument for
record on the 2 day of July 1973
at 4:12 o'clock P. M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By Mona Stone, Deputy
Fee \$ 2.00 Paid Cash

#2365

324095

I received and filed this instrument for
record on the 2 day of October 1917,
at 9:05 o'clock A.M. in record file
in Lincoln County State of Montana
Witness my hand
Vernon R. Cresce, County Recorder
By John H. [Signature] Deputy
Fee \$ 2.00

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
percent of the tested capacity of the aquifer.

File No. _____

T 13 R 19

DUPLICATE

County Missoula

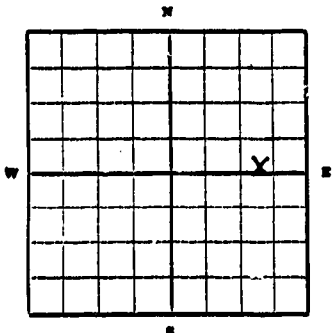
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 23 1963

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

1. Philip A. Bakke of 2602 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:



SE 1/4 NE 1/4 Sec 30 T 13 R 19
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 household use and irrigating 1 acre

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June, 1951
occasionally until March of 1955; then
constantly.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Enough for household use and irrigation of 1 acre

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 - Lot 32, Sec. 30, Blk 13, Rte 19. Owners: Philip A. Bakke & Melba D. Bakke

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater About March of 1954.

8. The depth of water table Approx 30' from S.L.

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" I.D. seamless 49-lb casing, approx 75' from S.L.

10. The estimated amount of groundwater withdrawn each year For household use and irrigation of one acre

11. The log of formations encountered in the drilling of each well if available Clay & gravel to approx 30', sand & gravel to approx 60', sand, gravel & water bearing strata to 75'

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 Doesn't apply

Signature of Owner Philip A. Bakke
Date 10/17/63

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.

291

212062

I received and filed this instrument for
 record on the 18 day of Oct, 1963
 at 2:00 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
MARTIN S. BEHNER, County Recorder
 By Paul W. Cannon Deputy
 Fee \$ 1.00 Paid

This is to certify that the above instrument was filed for record in the office of the County Recorder of Missoula County, Montana, on the 18th day of October, 1963, at 2:00 P.M. and that the same is now on file in the permanent files of said County Recorder.

File No. _____

T. 13th R. 19th

DUPLICATE

County Missoula

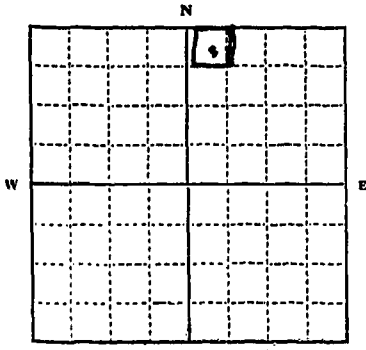
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

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

H.E. Beardmore-Estate, of 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:



Mid of NE Corner
30 T. 13 R. 19

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 domestic water supply & irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been 1903 - continuous
- The amount of groundwater claimed (in miner's inches or gallons per minute) 1200 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 1/2 acre surrounding home owner on change
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump - Domestic
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater (1) 1903 about
(2) 1959
- The depth of water table 8-12 feet - seasonal variation
- 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 (1) 1 1/2" - 18'
(2) drilled - 3/4" P. Pump Electric - 40'
- The estimated amount of groundwater withdrawn each year 500,000 gallons
- The log of formations encountered in the drilling of each well if available information unavailable
- 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.

H.E. Beardmore - Executor
Signature of Owner State of H.E. Beardmore

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.

940 2154 13

I received and filed this instrument for
record on the 21 day of Dec 19 13
at 7:15 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
M. W. IN S. BISHOP, County Recorder
By *Walter J. Helm* Deputy
Fee \$ 7.00 Paid

940

File No.

T. 13 N., R. 19 W. 30

DUPLICATE

County Missoula,

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 30 1964

Notice of Completion of Groundwater Appropriation by Means of a WELL ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner Donald K. &

Mary Ann Berard, Address 1709 27th Street
Missoula, Montana.

Driller Donald K. Berard, Address " "

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

Date well started June 7th, 1964 Date Completed June 14th, 1964

Type of well Driven Equipment Used.....
(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.

Top of Ground
Pit (Elev. above sea level 3223)

Gravel & Boulder
Water level 25'

Gravel & Clay

Sand

Sand, Gravel & Clay

Sand, Gravel & Water

SE 1/4 Sec. 30 T. 13 N. R. 19 W.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.
lot 6, Block 2, Alf Add. to Missoula.
Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4"	4"	4 1/2'	67 1/2'	Slotted 1/8" x 6; 1"	59'	67 1/2'

Static Water Level for non-flowing Well..... 25' feet.

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

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

Discharge in gal. per min. of flowing well in excess of 20 gallons per minute

How Tested..... Air lift Length of Test..... Four 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).....

Driller's License Number

Donald K. Berard
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.

38700

27/61
○

229436

I received and filed this instrument for
 record on the... 23 day of Nov, 1961
 at 2:30 o'clock P.M., pursuant to the
 of Missouri County, State of Missouri
 Witness my hand:
 Veronice R. Gause, County Recorder
 By Martha R. Black, Deputy
 Fee \$ 7.00 Paid

○

11/23/61

Missouri State Recorder

File No.

T. 13 N., R. 19 W. 30

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 30 1964

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Edward F. & Myrtle Barard, Address 323 Mount Ave. Missoula, Montana.

Driller Edward F. Barard, Address

Date of Notice of Appropriation of Groundwater

Date well started June 7, 1964 Date Completed June 14, 1964

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.

Top of Ground
(Elev. above sea level 3223)

Gravel
&
Boulder

25'

Water level

Gravel & Clay

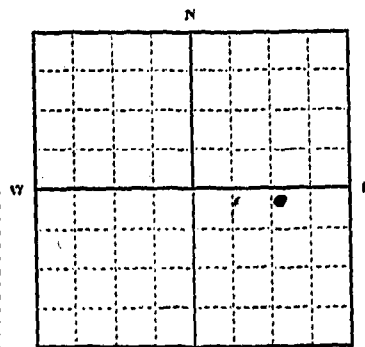
Sand

Sand, Gravel & Clay

Sand, Gravel & Water

File

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4"	4"	4 1/2'	67 1/2'	Slotted 1/8" to 1"	59'	67 1/2'



SE 1/4 Sec. 30 T. 13 N. R. 19 W.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.
Lot 5, Block 2, Airt Add. to Missoula.
Show exact depth of bottom.

Static Water Level for non-flowing Well 25' feet.

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well In excess of 20 gallons per minute

How Tested Air lift Length of Test Four 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)

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.

38701

62

229437

I received and filed this Instrument for
record on the 23 day of Nov. 19 64
at 2:05 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand:
Veronica E. Cypure, County Recorder
By Marilyn L. Reed Deputy
Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDER

File No.

T13N R19W

DUPLICATE

County Missoula

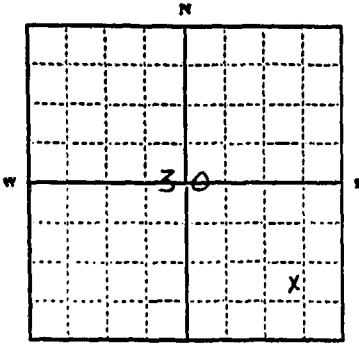
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

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

1. CHARLES S. BILLHEIMER, of 2009 26th 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:



NW 1/4 SE 1/4 Sec. 30 T13N R19W

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 JUNE 15, 1962
CONTINUOUS USE SINCE THAT DATE

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 - same location as to left

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal one well
pump driven by an electric
motor - surface pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater MAY 10-15, 1962

8. The depth of water table from the surface to the top of water table - 45 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 A drilled well with a 5" casing
64 feet deep

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

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 not available

Signature of Owner Charles S. Billheimer

Date 12-30-63

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

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

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

692

215098

Copy
I received and filed this instrument for
record on the *28* day of *July*, 19*68*
at *10:00* 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

File No. _____

T. 13^N R. 19^W 30
County Missoula

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

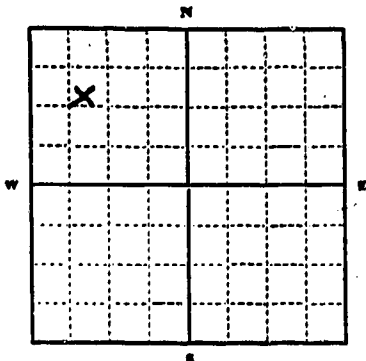
RECEIVED
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Albert P. & Patricia M. Bism, of 3126 Spurgeon Rd 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. 7. 27. Sec. 30 T. 13 R. 19

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: Residential use - lawn irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1956 - Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1 1/2 gal. min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 1/2 acre - lawn
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: 1956
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: 6" casing 20' deep
10. The estimated amount of groundwater withdrawn each year: 360,000
11. The log of formations encountered in the drilling of each well if available: Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: Book 191 Page 194

Signature of Owner: Albert P. Bism
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.

13
P
W

David D. ...
...

1129

I received and filed this instrument for record on the 31 day of Dec 1925 at 5.36 o'clock P.M. permanent files of the State of Missouri
Witness my hand
By *Walter J. ...* County Recorder
Fee \$ 2.00 Paid

...

1925 - ...

1/2 ...

...

...

1925
12/21

...

...

File No. _____

T. 13 N. R. 19 W. 30

TRIPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
JUN 4 1965

Notice of Completion of Groundwater
Appropriation by STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)



Top of Ground
(Elev. above sea level _____)

0 to 1' Top soil

1' to 4' Sandy clay

4' to 15' Clay & gravel

15' to 38' Sand

38' to 50' Sand &

gravel

50' to 53' Gravel & water

53' to 59' Clay

Owner Charles Gergfeld Address 406 S Grove

Driller Glenn Camp 705 Alder Address Missoula, Mont

Date of Notice of Appropriation of Groundwater _____

Date well started 3/26/65 Date Completed 3/29/65

Type of well Drilled Equipment Used Crown drill

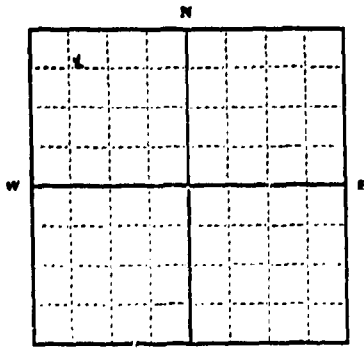
(dig, driven, bored or drilled) (Churn, drill, rotary or other)

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	From (Feet)	To (Feet)
5"	5" I.D. 14 lbs to ft	1' above U.L.	to 53'	None		

15' from U.L.



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 at _____ (Compressor _____) gal. per minute.

Discharge in gal. per min. of flowing well _____
Compressor _____ 1 hp each

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) _____

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.

39178

237310

I received and filed this instrument for
record on the 1 day of June, 1965
at 10:30 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand:
Vernon R. Crouse, County Recorder
By Doretha A. Hummer, Deputy
Fee \$ 2.00 Paid

File No.....

T. 13^N R. 19^W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

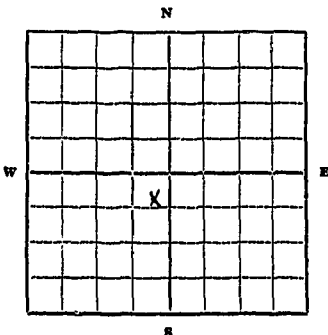
RECEIVED
JAN 3 1968

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. John A Bradley of 2638 oak St 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 30 T. 13 R. 19 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 on Family use and Irrigation of Ground

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1958
use continuously since

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 1/2 acre, Lots 2 and 9, 1st addition Block 1 section 30, Township 13, R. 19 W

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1/2 horse jet pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March 1958 started and completed

8. The depth of water table 20' 6"

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch Drilled Well 71' deep

10. The estimated amount of groundwater withdrawn each year 825,000 Gals

11. The log of formations encountered in the drilling of each well if available 0-3' Dirt & Gravel; 3-9' Dirty Gravel; 9-29' Gravel, Boulders, Cobbles, etc.; 29-34' Gravel embedded in Tan Clay; 34-46' Sand; 46-51' Clay with few scattered Gravel imbedded; 51-67' Sand; 67-70' Clean coarse sand and Sand; 70-71' Clean coarse 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. Liberty well Drilling - Wm. Osborne

Signature of Owner John A Bradley
Date 12-28-63

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

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

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

683 215080

I received and filed this instrument for record on the 20 day of Dec 1963 at 9:00 o'clock P.M., permanent files of Missoula County, State of Montana
Witness my hand:
By Alvin S. BEANER County Recorder
By Alvin S. BEANER Deputy
Fee \$ 7.00 Paid

MISSOULA COUNTY RECORDER
MISSOULA, MONTANA

30

File No.

T. 13^N R. 19^W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

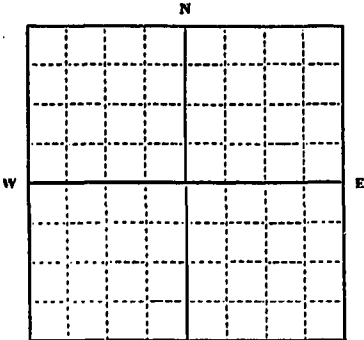
RECORDED
JAN 3 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1 Norma M. Busch of Spurgeon 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 NW 1/4

1/4 Sec 30 T. 13 R. 19

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

2. The beneficial use on which the claim is based House, lawn and garden.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1945.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) approx. 0.25.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Lawn and garden.
approx. 1/2 acre.
Norma M. Busch.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1945.

8. The depth of water table. 75 ft. - (third level)

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. well 4 inch casing
down 75 ft.

10. The estimated amount of groundwater withdrawn each year. 80,000

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. No additional information available

Signature of Owner Norma M. Busch

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.

20018

819 215222

I received and filed this instrument for
recording on the 21st day of June 1903
at 9:58 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand
By Max J. [Signature] County Recorder
Fee 20 Paid Deputy

MONTANA WATER RESOURCES BOARD
RECEIVED

T. 13 N. R. 19 W. 30

File No. _____

DUPLICATE

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level 2225)

0 - 2 1/2 top soil

2 1/2 - 21 coarse gravel & sand

21 - 33 sand & water

33 - 45 sand small gravel & water

45 - 48 red clay no water

48 - 57 sand small gravel & water

57 - 63 gravel & water

Show exact depth of bottom.
63 ft. from top of ground

Owner Frank Cash Address Sunset Ln. Missoula

Driller Harold K. Pickens Address 3024 So. Ave. Missoula

Date of Notice of appropriation of groundwater _____

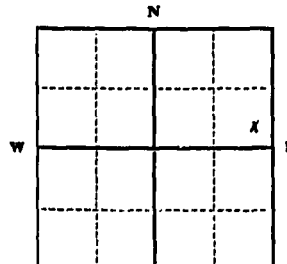
Date well started 8/22/67 Date completed 8/24/67

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)
8 inch	5 in. I.D. 16 lbs per ft.	0	63			



US SURVEY No 2
Lot 22
1/4 Sec 20, T13N R19W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 18 ft. from top

Shut-in Pressure for Flowing Well _____

Pumping Water Level 21 ft. from top at 60 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) _____

(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.

Driller's License Number 71

Driller's Signature Harold K. Pickens

46635

2008
11/11

292573

I received and filed this instrument for
 record on the 29 day of June 1920
 at 1:50 o'clock P.M., at 11:00 A.M.,
 of Missoula County, State of Montana.
 Witness my hand:
 Veronique R. Cross, County Recorder
 By Veronique R. Cross, Deputy
 Fee 2.00 Paid

RECORDED
 INDEXED
 MISSOULA COUNTY, MONTANA
 JUN 29 2010
 11:00 AM
 292573

GW 2

File No. _____

MAY 9 1966

T. 13 R. 19 W. 30

DUPLICATE

Bliss _____ McDermott _____ County Missoula
 Butzerin _____ McNulty _____
 Coyie _____ Morton _____ STATE OF MONTANA
 Darlington _____ Sullivan _____ ADMINISTRATOR OF GROUNDWATER CODE
 Dickert _____ OFFICE OF STATE ENGINEER

LOG

Top of Ground _____
 (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 4' Loose gravel fill
 4' to 29' Gravel & clay
 29' to 41' Clay
 41' to 59' Gravel & clay
 59' to 61' Gravel, sand
 & water
 61' to 64' Gravel & water

Owner Church of the Nazarene Address 2339 26th St

Driller Glenn Camp 705 Alder Address Missoula, Montana

Date of Notice of appropriation of groundwater _____

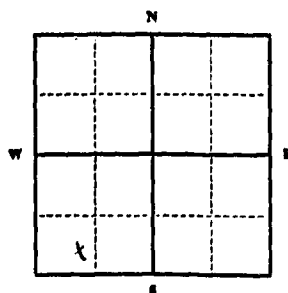
Date well started 12/14/65 Date completed 12/16/65

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 Church

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" L.O. 17# to ft	2' above G.L.	to 64'	None		



Static Water Level for non-flowing well 33 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 33 feet at 69 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Compressor & Baller

Ballor test 24 G.P.M.

Length of Test 2 hours

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

Lot 61
 Sec. 30, T. 13, R. 19
 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

41028

1602

250026

I received and filed this instrument for record on the 5th day of June, 1966, at 1:00 o'clock P.M. permanent files of Missoula County, State of Montana

Witness my hand:
 Verance H. Grouse, County Recorder
 By *M. M. [Signature]*, Deputy
 Fee \$ 2.00 *[Signature]*

RECORDED

MISSOULA COUNTY, MONTANA
 DEPARTMENT OF CLERK AND RECORDER
 RECORDER'S OFFICE
 100 WEST 10TH AVENUE
 MISSOULA, MONTANA 59802

330

File No. _____

T. 13 N. R. 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963
STATE ENGINEER

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

Clifford Dorothy Adams Cogdell, of 2925 7th 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:

716-4714 Sec. 50 T. 13 R. 19
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

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

Domestic & Irrigation

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

1945 Continuous

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

12,000 gpm

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

12 acres - 716 4714 Sec 50 T. 13 R. 19

Clifford Dorothy Adams Cogdell

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

Deep well pump 4" pipe
716 4714 Sec 50 T. 13 R. 19

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

Unknown

8. The depth of water table.

6.5 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.

3/4 H.P. Deep well pump 6.5 ft

10. The estimated amount of groundwater withdrawn each year.

200,000 gal

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

Unknown

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

Book 219 Page 286-88

Signature of Owner Clifford Dorothy Adams Cogdell
Date 12/30/1962

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.

772 25180

I received and filed this instrument for
record on the 30th day of Dec 1913
at 10 o'clock A.M. pursuant to the
of Missoula County, State of Montana
Witness my hand
J. W. S. EMMETT, County Recorder
By Mad. [Signature] Deputy
Fee \$ [Signature] Paid

30

File No. _____

T. 13^N R. 19^N

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

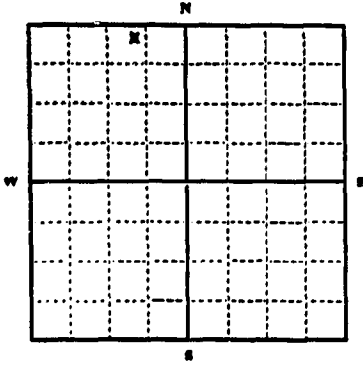
RECEIVED
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Clara Madeline Cogdell, of S.W. cor 7th Nibuta 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:



H.C. 4, 1961, Sec. 30, T. 13, R. 19.
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. 1900 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 2 acre ft.

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 acres or less from T.E. 14 21st Sec 30 T. 13 R. 19. Clara Cogdell or her heirs, Madeline Cogdell.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Deep well pump 4 in pipe. T.E. 14 21st Sec 30 T. 13 R. 19.

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

8. The depth of water table. 65 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. Deep well pump. 3/4 H.P. 65 ft.

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

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

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. book 191 Page 339

Signature of Owner: Clara Madeline Cogdell
Date: 12/30/1963

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. 1997

221 215729

I received and filed this instrument
recorded on the 20 day of Dec 1967
at 2:17 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MICHAEL S. REYNOLDS County Recorder
By *Michael S. Reynolds* Deputy
Fee \$ 2.00 Paid

30

File No. _____

T. 13th R. 19th

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

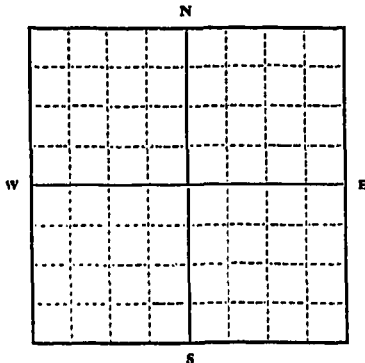
RECEIVED
JAN 3 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Russell Conliffe of 2628 Central 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:



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 & irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 1959 constant
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) five 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
3/4 acre VETMAN'S LOT # 45
SEC. 30 TWP. 13 N. R. 19 W. M. 11 M.
Russell Conliffe
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ELECTRIC PUMP
VETMAN'S LOT # 45 SEC. 30 TWP 13 N. R. 19 W. M. 11 M.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 19 - 1959. April 25 - 1959

8. The depth of water table 35 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 5 inch drilled casing sixty five feet deep

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

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

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

Signature of Owner Russell Conliffe
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.

2018

998 215472

I received and filed this instrument for
record on the 21st day of Dec 1927
at 7:00 o'clock P. M., permanent files
of Missoula County, State of Montana
Witness my hand
M. J. H. BIRKIN Recorder
By Deputy
Fee \$ Paid

File No.

T. 13N R. 19W 30

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

RECEIVED
MAY 19 1965



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

40' Clay & Gravel

72' Heaving Sand & Water

73' Coarse Gravel & Water

Notice of Completion of Groundwater Appropriation by Means of Well ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Helen J. and

Owner George Dechamps Address 104 South Av W

Driller John Farrell Address Arlae

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

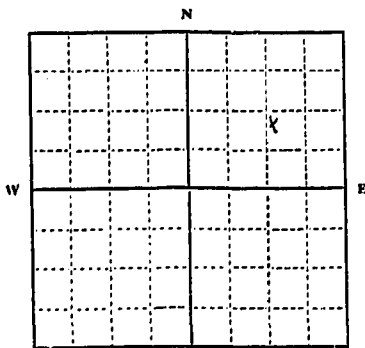
Date well started May 7 1965 Date Completed May 12 1965

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" 14 1/2 #)	0	73'			



SE. 1/4 NE Sec. 30, T. 13, R. 19
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

73'

Show exact depth of bottom.

Static Water Level for non-flowing Well..... 32 feet.

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

Pumping Water Level..... 60 feet at 50 gal. per minute.

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

How Tested Compressor Length of Test 1 Hour

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

74' 8" Casing 18" Above Ground Level

Drilled 73'

14

Driller's License Number

John Farrell
Driller's Signature

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

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

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

39135

11498

233609

I received and filed this Instrument for
 record on the 14 day of May 1965
 at 10:30 o'clock A.M., permanent files
 of Missoula County, State of Montana.
 Witness my hand:
 Verance R. Cross, County Recorder
 By Jane Beckwith, Deputy
 Fee 2.10 (L.A.) Paid

RECORDED
 MISSOULA COUNTY

C

By return of this instrument to the
 Recorder of the County of Missoula, Montana,
 the instrument shall be returned to the
 person or persons named in the instrument
 as the person or persons to whom the same
 should be returned.

File No.

MAR 27 1957

T. 13N R. 19W

30

DUPLICATE

LOG

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

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

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

(Under Chapter 237, Montana Session Laws, 1961)

Thelma A. &/or

Owner: J. H. Dewell Address: Missoula, Montana

Driller: Liberty Drilling Co. Address: Missoula, Montana

Date of Notice of appropriation of groundwater: None filed

Date well started: 8/29/65 Date completed: 8/31/65

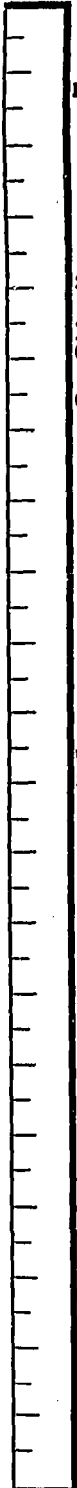
Type of well: Driven Equipment used: Air Hammer
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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.

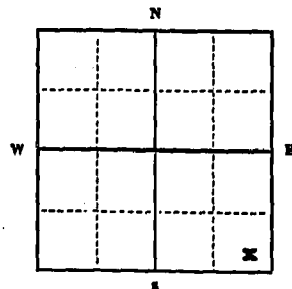
Formations Log:

- 0 - 2 Dirt & gravel.
- 2 - 26 Gravel & cobblestones imbedded in gray clay.
- 26 - 34 Gravel mixed in tan clay.
- 34 - 61 Brown sand.
- 61 - 64 Fine gray sand & gravel.
- 64 - 72 Coarse sand & gravel.



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/4"	+1 1/2	72	Torch Cut	68	72

Water rises in the well 29 1/2 feet from surface.



Static Water Level for non-flowing well 29 1/2 feet.

Shut-in Pressure for Flowing Well None.....

Pumping Water Level..... 30' feet at..... 75 gal. per minute.

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

How Tested: Air Lift Pump.....

Length of Test: Four hours.....

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through perforations in six inch casing. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates less than 25 to (Continue on reverse side)

SE 1/4 Sec. 30, T.13N. R. 19W

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).

Approx. 1 1/5 acres

Show exact depth of bottom.
Bottom of hole 72'

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

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

52
Driller's License Number

William F. Osborne
Driller's Signature.

41827

1970
County of [unclear]
State of Missouri

[Faint, mostly illegible text, possibly a list or table of contents]

50 % of the tested capacity of the aquifer.

THIS INSTRUMENT IS THE COPY

and produced such to [unclear]

1970
[unclear]

Received and filed this instrument for
record on the 23rd day of November 1970
at 11:00 o'clock P. M. Permonent files
of Missouri County, State of Missouri
Witness my hand
Veronica R. Grouse, County Recorder
By *[Signature]* Deputy
Fee \$ 2.00

1970 257181

1970

File No. _____

T 13^N R 19 W., M. P. M.

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

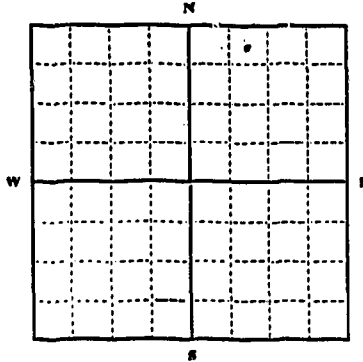
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James D. Ellen, of 1706 27th 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:



2. The beneficial use on which the claim is based.....
domestic, garden, lawn

3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been December 1, 1957 - constant use

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

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

NE 1/4 Sec. 30, T. 13, R. 19 W., M. P. M.

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

6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal.....
Well, Alf Addition, Cobban and Dinamore's
Orchard Homes No. 3, Lot 2, Block 3

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater..... December 1, 1957

8. The depth of water table..... 30 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, 6" casing, depth 70'

10. The estimated amount of groundwater withdrawn each year..... 4,088,000 gallons

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..... inapplicable

Signature of Owner James D. Ellen

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.

20200

1080

215555

I received and filed this instrument for
 record on the 31 day of Dec, 1963
 at 4:36 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand,
 MARTIN S. BRINER, County Recorder
 By [Signature] Deputy
 Fee \$ 9.00 Paid

MISSOULA COUNTY RECORDS
 1963
 DECEMBER 31
 1080

30

File No. _____

T. 13^N R. 19 W., M. P. M.

DUPLICATE

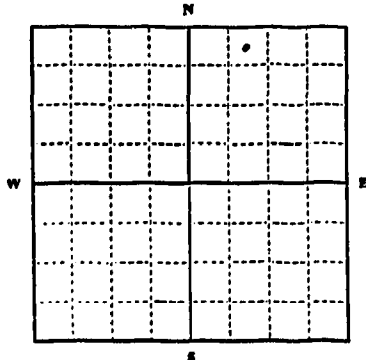
County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

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

I, James D. Ellen, of 1706 27th 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:



2. The beneficial use on which the claim is based domestic, garden, lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been constant use 1933

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

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

NE 1/4 Sec. 30 T. 13 R. 19 W., M. P. M.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well, Alf Addition, Cobben & Dinamore's Orchard Times No. 3, Lot 1, Block 3

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1933

8. The depth of water table 30 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, 6" casing, depth 70'

10. The estimated amount of groundwater withdrawn each year 4,088,000 gallons

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 inapplicable

Signature of Owner James D. Ellen
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.

20199

0079

215534

I received and filed this instrument for
 record on the 31 day of December
 at 4:35 o'clock P. M., permanent files
 of Missouri County, State of Montana
 Witness my hand.
MARTIN S. BIRNER, County Recorder
 By Etta Lane Deputy
 Fee \$ 2.50 Paid

MISSOURI COUNTY, MONTANA
 DEPARTMENT OF REVENUE
 RECEIVED
 JAN 1 1911

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner James D. & Betty A. Ellen

Address 1706 27th Ave.
Missoula, Montana

Date well started 2/8/71
completed 2/9/71

For Administrator's Use	
File <u>300240</u>	
<u>MARCH 11, 1971</u>	
<u>3:30 P.M.</u>	
GW 1	

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

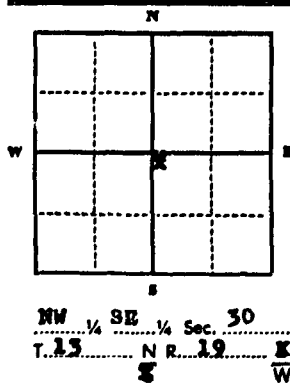
Equipment used Cable Tools
(Cable drill, rotary or other)

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). Lot 1, Block 2, Alf Addition

ESTIMATED ANNUAL WITHDRAWAL 3,000,000

Diameter of Well (Feet)	Diameter and Weight of Casing (Feet)	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/2"	+2	74	N	O	N



Static water level 35 ft.*
Pumping water level 52 ft.*
at 50 gallons per minute,
measured 80 minutes after pumping
began.
*Measured from ground level.
Well developed by Air Lift
for 3 hours.
Power Gas Pump 30 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) All
water entering well
through open bottom
of six inch casing.
cont'd

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

Driller's Signature William J. Osborne

Driller's Address 2500 Reserve

Missoula, Montana LICENSE NO. 52

DRILLER'S LOG

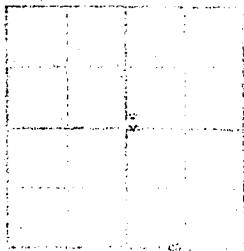
Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)		Approx
From (Feet)	To (Feet)	
0	1	Topsoil
1	31	Sand, gravel & cobblestones with silt mixed in.
31	55	Gravel and cobblestones with silt mixed in
55	62	Silty sand
62	72	Gravel and sand
72	74	Clean coarse gravel. Water

74 Show exact depth of bottom water rises in the well 35 ft. from surface.

48227

DURING PROGRESS OF WORK
 EACH DAY'S WORK SHOULD BE
 RECORDED IN THIS BOOK AND
 THE RESULTS OF THE WORK
 SHOULD BE RECORDED IN THIS
 BOOK.



Note: Wells in this area can be depended upon to produce clear sand-free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

2097 300240

received and filed this instrument for
 record on the 11th day of March 19 27
 at 3.30 o'clock P.M. in the public office
 of Missoula County, State of Montana.
 Witness my hand
 Veronique R. Crooks, County Recorder
 By Veronique R. Crooks
Veronique R. Crooks

S. W. 4

T. 13 N R. 19 W 30

File No.

DUPLICATE

RECEIVED
COUNTY
STATE OF MONTANA
1964
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

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

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner D. R. Vandate Fleching Address 254 3 1/2 N. W.

Driller Gene Camp Address 705 Alder

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

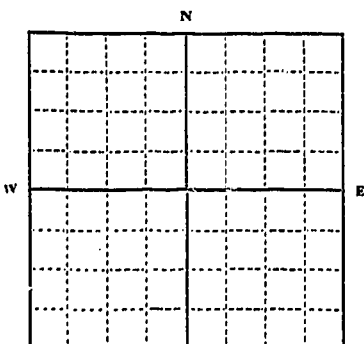
Date well started..... Date Completed Oct. 1956

Type of well..... Equipment Used.....
(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)
	8" ?	approx. 70 ft. deep				



S. 2 1/4 SE Sec. 30 T. 13 N. R. 19 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.....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

Owner's Signature D. R. Vandate Fleching
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.

20268

1148

I received and filed this instrument for
 record on the 21 day of Dec 1963
 at 5:45 o'clock P. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 By Max A. [Signature] County Recorder
2.81 Paid

After signing, the instrument shall be filed in the permanent files of the county recorder, and the date of filing shall be noted on the instrument. The instrument shall be subject to public inspection.

MISSOULA

0

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

APR 21 1971

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

Owner Office of State Forester
Address 2705 Spurgin Road
Missoula, Montana
Date well started 2/15/71
completed 3/24/71

For Administrator's Use	
File <u>301641</u>	<u>April 19, 1971</u> <u>9:15 A.M.</u>
GW 1	

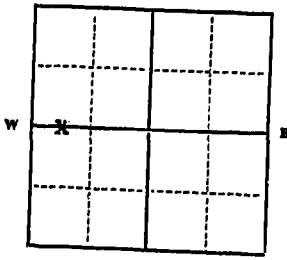
Type of well Drilled
(Dug, driven, bored or drilled)
Equipment used Air Rotary & Cable Tools
(Churn drill, rotary or other)
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other * Garden/Lawn

*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). Irrigate 120 Acres of Forest Trees Nursery

ESTIMATED ANNUAL WITHDRAWAL 518,400,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
16"	16 OD 52.36#	+2	94'5"	Johnson Screen with 150/1000 continuous slot		

Blank steel flush tube, (tailpipe) 92'6" 113' to bottom of screen extending 113' 125'5" tailpipe. N



Static water level 29'7" ft.*
Pumping water level 66 ft.*
at 2100 gallons per minute,
measured 60 minutes after pumping began.

*Measured from ground level.
Well developed by Surge & Air
for 38 hours.
Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through slots in Johnson Water Well Screen

NW 1/4 Sec. 30
T. 13 N. R. 19 E

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

LIBERTY DRILLING & EQUIP. CO.
Driller's Signature William F. Osborne
Driller's Address 2500 Reserve Street
Missoula, Montana LICENSE NO. 52

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

From (Feet)	To (Feet)	Description
0	1	Topsoil
1	24	Sand, gravel & cobblestones
24	31	Gravel & cobblestones mixed with tan silt
31	44	Fine to coarse silty sand
44	46	Clean coarse sand & gravel
46	57	Fine to coarse gravel mixed in tan clay
57	58	Silty sand and gravel
58	66	Very silty sand
66	71	Silty sand and gravel
71	74	Clean coarse sand and gravel
74	79	Gravel imbedded in tan silty clay
79	81	Clean coarse sand and gravel
81	88	Cobblestones & gravel imbedded in tan clay
88	113	Clean coarse sand, gravel and cobblestone
113	125	Silty sand, gravel and cobblestones

125 ft. Show exact depth of bottom water rises in the well 29'7" from surface

48381

116

301641

I received and filed this instrument for
 record on the 19 day of Apr 1921
 at 9:15 o'clock P.M. Permanent files
 of Missoula County, State of Montana
 Witness my hand.
 Valance R. Crouse, County Recorder
 By Harry H. Halpern Deputy
 Fee \$ one paid

RECORDED
 INDEXED
 MISSOULA COUNTY, MONTANA
 APR 21 1921

File No.

DUPLICATE

T. 13N R. 19W

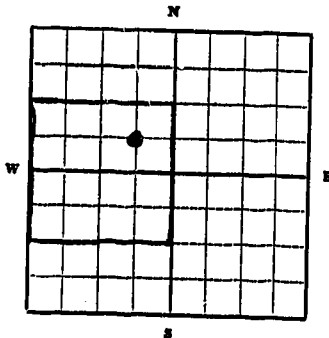
County. Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

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

1. The Forest & Conservation Experiment Station, School of Forestry, Montana State University,
(Name of Appropriator) (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:



SE 1/4 NW 1/4 Sec. 30 T. 13N R. 19W

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

field well

- 2. The beneficial use on which the claim is based irrigation of nursery
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1954 and continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3,000 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 potential of 160 acres in SE 1/4 of NW 1/4 and NE 1/4 of SW 1/4 all in Sec. 30, T 30 N, Forest and Conservation Experiment Station, Forest Tree Nursery, R 19W N.P.M.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump located near center of SE 1/4 of NW 1/4, Sec. 30, T. 13N, R. 19W.

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1954
- 8. The depth of water table 21' to 31'
- 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 125' deep 12" casing
- 10. The estimated amount of groundwater withdrawn each year 30,000,000 gal.
- 11. The log of formations encountered in the drilling of each well if available 0-2 ft. top soil 2-8 ft. sand 8-60 ft. sand, gravel & clay 60-121 1/2 ft. 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 not applicable

FOREST AND CONSERVATION EXPERIMENT STATION, School of Forestry
Montana State University

Signature of Owner

BY: Ross A. Williams, Director

Date 2/8/62

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

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

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

1656

117

190 474

I received and filed this instrument for record on the 6th day of March, 1962 at 11:26 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:
 MERVIN S. BEHNER, County Recorder
 By Credit Shelley Deputy
to you Paid

REC'D BY REC

MISSOULA COUNTY RECORDER'S OFFICE
 100 N. 2ND ST. MISSOULA, MONTANA 59801
 PHONE 541-1111
 FAX 541-1112

File No.

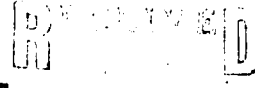
T. 13 N. R. 19W

A 30

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



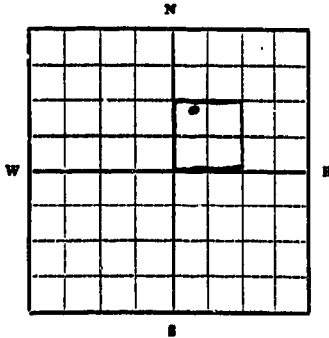
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. The Forest & Conservation Experiment Station, School of Forestry, Montana State University
(Name of Appropriator) (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:



SW 1/4 NE 1/4 Sec. 30 T. 13N. R. 19W

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

Headquarters pump

- 2. The beneficial use on which the claim is based irrigation and domestic
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1942 and continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1500 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 40 acres, SW 1/4 NE 1/4 Sec. 30, T. 13N. R. 19W, Forest and Conservation Experiment Station, Forest Tree Nursery
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump in SW 1/4 of NE 1/4 Sec. 30, T. 13N. R. 19W

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1942
- 8. The depth of water table 25'
- 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 125' deep 12" casing
- 10. The estimated amount of groundwater withdrawn each year 10,000,000 gals.
- 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 not applicable

The FOREST AND CONSERVATION EXPERIMENT STATION, School of Forestry
Montana State University

Signature of Owner [Signature]

By: Ross A. Williams, Director

Date 2/8/62

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

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

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

1654

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O

190472

I received and filed this instrument for
 record on the 6th day of Mar 1962
 at 12:33 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By Archie J. Stiles Deputy
 Fee \$ 2.10 See paid

MISSOULA COUNTY RECORDERS OFFICE

File No. _____

T. 13^N R. 19^W

DUPLICATE

County Missoula

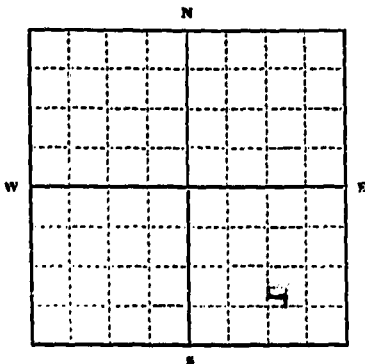
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

J. Howard Foster
1. Bertha T. Foster of 2116 27th St. Rte 1 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 30 T. 13 R. 19
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 use
- Date or approximate date of earliest beneficial use; and how continuous the use has been
February 1960
Used every day since.
- The amount of groundwater claimed (in miner's inches or gallons per minute)
Not known
- 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 lawn and family garden.
Entire size of lot 100 X 150 feet.
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Household Pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
The house was built between Sept. and Feb. 1960, and the well was drilled sometime during that period.
- The depth of water table
Not known
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
The well is about 80 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 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
Not known

Signature of Owner J. Howard Foster
Bertha T. Foster
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.

570

214842

Copy

I received and filed this instrument for
record on the *16* day of *June* *1963*
at *10:30* 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

30

File No. _____

T. 13^N R. 19^W

DUPLICATE

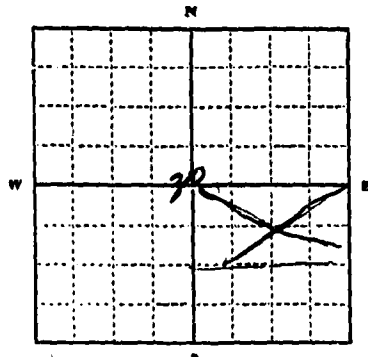
County Miss

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 7 1964

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

1. ELMA FRANK, of R.T.E. #1 Oak Street Missoula
(Name of Appropriator) (Address) (Town)
County of MISSOULA State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N 1/4 Sec. 30 T. 13 R. 19

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

2. The beneficial use on which the claim is based HOUSE HOLD GARDEN & LAWN

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1934 CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 G.P.M. (400 GALS PER DAY)

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof GARDEN 30' X 100'

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ELECTRIC TURBINE PUMP (JACUZZI)

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1934

8. The depth of water table 22 (EST) 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 60' DEPTH 6" CASING

10. The estimated amount of groundwater withdrawn each year 100,965 GALS

11. The log of formations encountered in the drilling of each well if available *40 X 365
440 GALS PER DAY - 165 365 DAYS

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 Nothing else applicable

Signature of Owner Elma Frank
Date April 6 - 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.

35554