

Jefferson Co.

Page 1 of 1

Jefferson

Twp.

975

Rge.

42

[illegible]

File No.

T. 9N R. 4W

DUPLICATE

County Jefferson

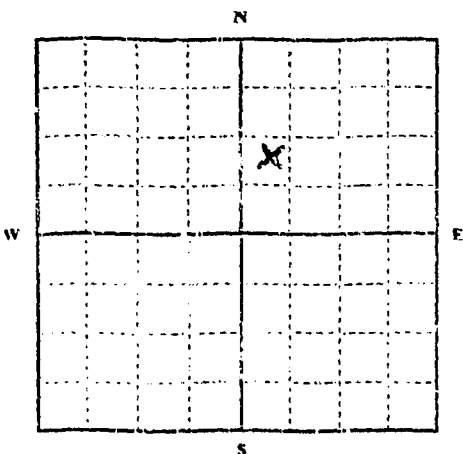
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

DONALD R. FREDRIKSON

1. ~~DONALD R. FREDRIKSON~~, of _____, of _____
(Name of Appropriator) (Address) (Town)
County of JEFFERSON State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 29 T9N R4W

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 stockwater, domestic and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1900
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 miner's 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 NE 1/4 Section 29, T9N, R 4W
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal spring in NE 1/4 Section 29
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1900 completed spring box
8. The depth of water table. comes to 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. 2" pipe
10. The estimated amount of groundwater withdrawn each year 2 acre feet
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

Donald R. Fredrikson

Date December 27, 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.

19589

83357

x

RECORDER'S OFFICE } ss.
Jefferson County, Montana }
Filed for record this 31 day of Dec
A. D. 1963 at 407 P. M.
12 00
Fees, \$ 2.00

File No.

9 N 4 W

DUPLICATE

T. R.

County Jefferson

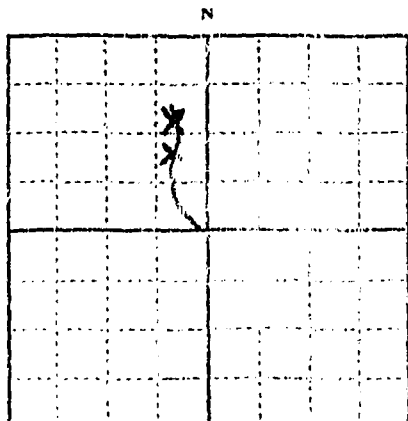
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

DONALD R. FREDRIKSON

1. ~~STATE ENGINEER~~, of ~~STATE ENGINEER~~ (Name of Appropriator), of ~~STATE ENGINEER~~ (Address), ~~STATE ENGINEER~~ (Town)
County of JEFFERSON State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



E 1/2 Sec 29 T 9N R 4W

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 stockwater, domestic and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1900
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 20 miners 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. 10 acres in E 1/2 NW 1/4 Section 29, T9N, R4W
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Spring in NE 1/4 NW 1/4 Section 29
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1900
8. The depth of water table. 18 inches
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. spring
10. The estimated amount of groundwater withdrawn each year. 10 acre feet
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: Donald R. FredriksonDate: 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.

19590

83358

xx-

RECORDER'S OFFICE }
Yellowstone County, Montana }

Filed for record this 31 day of Dec.

1963 1498

Page 2 of 2

File No.

T. 9 R. 4

DUPLICATE

County of Jefferson

Lot 29

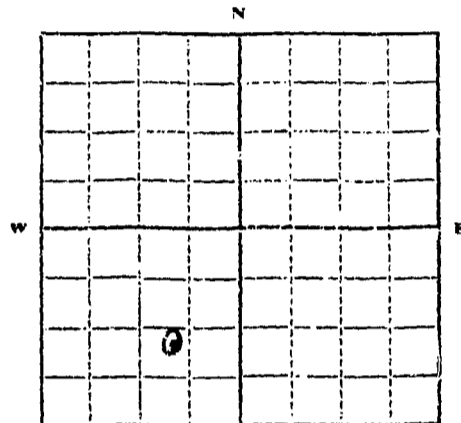
JAN 3 1962

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Leslie A. + E. Carmen Hartford, of Unionville, Rt. Helena
(Name of Appropriator) (Address) (Town)
County of Jefferson State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE #43

1/4 Sec. 29 T. 9 R. 4

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 only
3. Date or approximate date of earliest beneficial use: and how con-
tinuous the use has been more than 50 years
(Early 1900's)
used continuously
4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 200 gallons per day
5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
Household use only
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 with-
drawal of groundwater
Constructed by original owner 50 years or more ago
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
1 well - drilled - 4 inch pipe - 35 feet deep
10. The estimated amount of groundwater withdrawn each year 73,000 gallons
11. The log of formations encountered in the drilling of each well if available unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record
none

Signature of Owner

Leslie A. Hartford
E. Carmen Hartford

Date 12-18-63

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.

19575

83343

RECORDER'S OFFICE } ss.
Jefferson County, Montana }
Filed for record this 31 day of Dec
A. D. 1919 342 o'clock P. M.

Fees, \$ 2.00

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Mr. J. M. Johnston

Address Box 348

Helena, MT 59601

Date well started Sept 15-71

completed Sept 18-71

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used churn

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

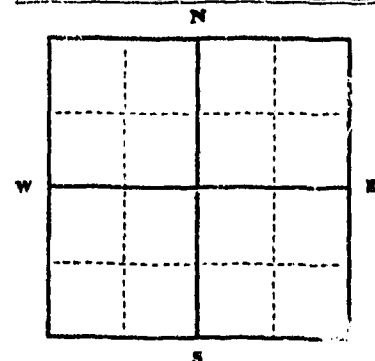
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 60,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Size	From (Feet)	To (Feet)
6"	17 lb	0	25	7/16 x 1 1/2	20	24



Static water level ? ft.*
Pumping water level 25 ft.*
at 8 gallons per minute,
measured 60 minutes after pumping
began.

*Measured from ground level.

Well developed by Boiler

for 2 hours.

Power elct Pump ? HP

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

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

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

Driller's Signature Wally Lindsay

Driller's Address Clancy Montana

LICENSE NO. 38

County Jefferson

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	6	Topsoil & gravel
6	12	clay & boulders
12	20	disintegrated granite
20	27	hard granite

27 Show exact depth of bottom

19205

Show exact depth of bottom

File No.

T 9 N R 4 W

DUPLICATE

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 9 1963

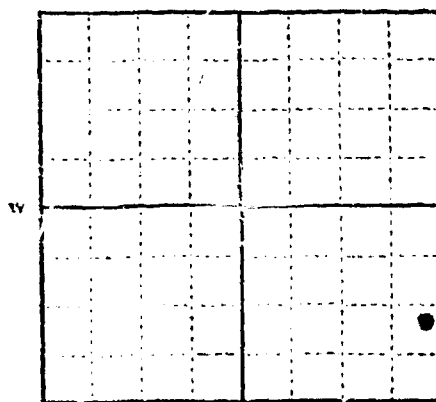
STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Feb 1959Owner Herman Lee Address 607 Del, HelenaContractor (if any) No Contractor

Address of Contractor

Date Started June 4, 1960 Date Completed Jan 14, 1960Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. natural run to troughfor watering cattle. 12 in. to waterS. 1/4 E. Sec. 31 T9N R4W

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 20 gal. anhour. estimate of pipe flowUsed 9 months of year for watering cattleSignature of Owner Herman LeeDate Dec 4, 1963

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.

1964

83009

RECORDER'S OFFICE
Jefferson County, Montana

Filed for record this 6 day of Dec
1963 11:17 o'clock A. M.

Alta My Dawson
County Recorder

Fee \$2.00

File No.

T. 9 N. R. 4 W.

DUPLICATE

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

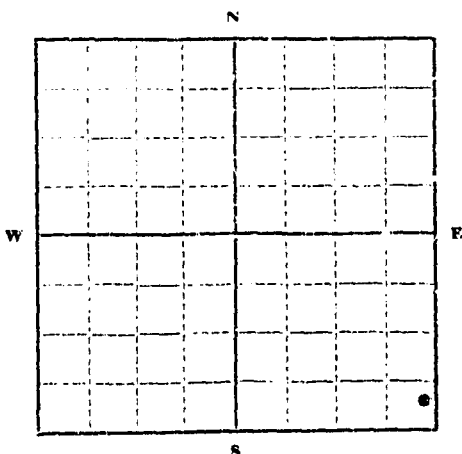
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 9 1963

STATE ENGINEER

1. Herman Lee of Gravel Helena
(Name of Appropriator) (Address) (Town)
County of Jefferson State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 1/4 E. Sec. 31 T. 9 N. R. 4 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. House hold use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1912 every day
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. hand pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. aug 10 to aug 25, 1912
8. The depth of water table. 8 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. rock walls 3 ft. in diam. 30 ft deep
10. The estimated amount of groundwater withdrawn each year. 9,300 gal
11. The log of formations encountered in the drilling of each well if available. not observed at time of digging
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 if there is any

Signature of Owner.

Herman LeeDate Dec 4, 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.

820'

83006

RECORDER'S OFFICE } ss.
Jefferson County, Montana }

Filed for record this 6 day of Dec
A. D. 1963 at 11:15 o'clock A. M.

Wm. M. Danson

Fees, \$ 2.00

File No.

T 9 N R 4 W

DUPLICATE

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

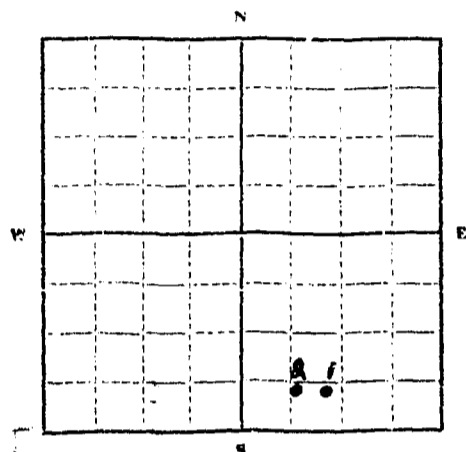
RECEIVED
DEC 9 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Herman Lee of Gen. Del. Helena, Mont.
(Name of Appropriator) (Address) (Town)
County of Jefferson State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 1/4 E. Sec 32 T9N. R4W

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

2. The beneficial use on which the claim is based. House hold use and watering cattle
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1904
every day since for well no. 1
1937 for well no. 2
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 20 gal. per minute for both wells
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. not for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. electric
pump well no. 1 - 10 ft from house
well no. 2 - 500 ft from house
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Well no. 1 started June 1, 1904 completed June 20, 1904
Well no. 2 Oct. 1, 1937 completed Oct. 15, 1937
8. The depth of water table. Well no. 1 - 12 ft Well no. 2 - 10 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. Well no. 1 rock walls 3 ft in diam 30 ft deep
Well no. 2 rock walls 6 ft in diam 15 ft deep
10. The estimated amount of groundwater withdrawn each year. 36,500 gal.
11. The log of formations encountered in the drilling of each well if available. was not obtained
at the time of digging these wells
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 if there is any

Signature of Owner

Date Dec. 4, 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

1963

83007

RECORDER'S OFFICE }
Jefferson County, Montana } ss.

Filed for record this 13 day of Dec
A. D. 1963 at 11 o'clock A. M.

Alta M. Hanson
County Recorder

Fees, \$ 2.00

File No.

T. 2N R. 1E

DUPLICATE

County:

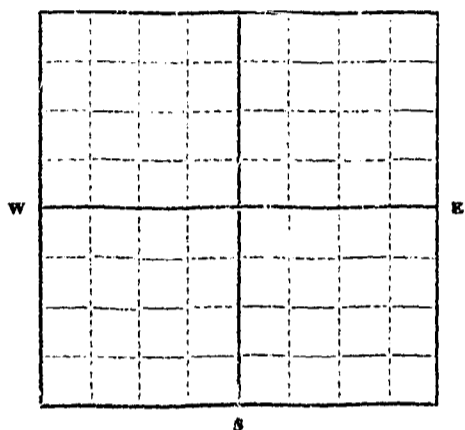
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 8 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, General H. Bryant Jr. of P.O. Box 22 Shelby
(Name of Appropriator) (Address) (Town)
County of Yellowstone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



W 1/4 Sec. 36 T. 9N R. 4W

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 of alfalfa & pasture
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Jan. 1961
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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
not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump in well located on south side of property
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 22 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 Electric Pump
10. The estimated amount of groundwater withdrawn each year 255,000
11. The log of formations encountered in the drilling of each well if available
Gravel decomposed Gravel & Bed Rock
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

General H. Bryant Jr.
Date Jan 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.

19580

83348



RECORDER'S OFFICE)
Jefferson County, Montana)
Filed for record this 31 day of Dec
1963 3 54 P
Donaldson
County Recorder
Fees, \$ 2.00

County

Jefferson

Twp.

9 N

Rge.

3 W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Klepper Paul	2 W 4	81923	-
1	Sumner Myron 3+	2 W 3	86790	-
	Sumner William C.			
2	Holmquist Maurice E.	2 W 2	97234	-
2	Kackler George +	2 W 2	91656	-
	Kackler Letty			
2	Mablin Leonard C.	2 W 2	98754	-
2	Shelling Mark H. Jr.	2 W 2	95544	-
6	Crickshaw Frank C.	2 W 4	83309	-
11	Pacha Joseph P.	2 W 4	83275	-
12	Am. Tel. & Tel. Co.	2 W 2		-
12	Am. Tel. & Tel. Co.	2 W 2	85522	-
13	Barnhart James	2 W 4	83286	-
13	Marrick Company, Inc.	2 W 1	95174	-
13	Marrick Const. Company	2 W 2	96067	-
13	Marrick Const. Company	2 W 2	96068	-
13	Permanente Const. Co.	2 W 2	81233	-
13	Scheff Duane H.	2 W 2	98903	-
13	Scheff Duane D.	2 W 3	98704	-
13	School District #27	2 W 4	83274	-
13	School District #27	5 Well Log	80458	-
14	Barris Harold W. Jr.	2 W 3	98132	-
14	Becker Paul H.	2 W 2	98460	-
14	Quattrone Robert	2 W 2	83172	-
14	Quattrone Robert D.	2 W 4	83171	-
14	Quattrone Robert D.	2 W 4	83173	-
14	Marrick Company, Inc.	2 W 1	95174	- See Section 13
14	Tanner F. W. +	2 W 2	98901	-
	Tanner K. B.			
14	Thelaid John W.	2 W 4	80793	-
19	Tintinger John C. 7th	2 W 2	97752	- 19 N. 5. W.
19	Tintinger John C.	2 W 2	97751	- 19 N. 5. W.
23	Wentworth John C.	2 W 2	97751	- 19 N. 5. W.
24	Wentworth John C.	2 W 2	95078	-
24	Mulligan Howard	2 W 2	98719	-
24	Tintinger John C. 7th	2 W 2	97752	- See 19
24	Tintinger John C.	2 W 2	97751	- See 19
25	Harmon Lowell C.	2 W 1	95848	-
25	Harmon Lowell C.	2 W 3	96119	-
25	Hopkins Ben B.	2 W 2	98696	-
25	Holton Kent	2 W 2	98886	-
25	Van Meter James	2 W 2	98885	-
25/26	Quicucci Vincent	2 W 2	94949	-
26	Quicucci Jerry L.	2 W 2	94583	-
	Quicucci Doris E.			

County

Jefferson

Twp.

976

Rge.

E 77

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
26	Guder Frank	272	91899	-
26	Kuening Arnold C.	272	94524	-
	Kuening Rachael W.			
26	Lund Paul	273	92781	-
	Lund George A.			
26	Matthies Keith O.	272	88913	-
	Matthies Medred E.			
26	Musson Russell R.	272	92725	-
26	Nelson Martin	272	85404	-
	Nelson Lynn			
26	Thick Michael H.	272	86690	-
26	Thick Michael H.	272	86691	-
26	Thick Michael H.	273	86692	-
26	Sager Rod	272	94014	-
26	Stocking Herbert H.	272	93358	-
26	Wustard Walter	272	92491	-
26	Wise William and	272	97038	-
	Wise Donna			
31	Rudis Robert M.	273	92553	-
32	Marka Robert	272	94326	-
32	Rudis Robert M.	273	92852	-
32	Rudis Robert M.	272	92558	-
33	Johnson Keith R.	273	83266	-
33	Johnson Knute R.	274	83257	-
33	No Name	272	86702	-
34	Bennett Roland Carl	274	83273	-
34	Haal Albert	274	83415	-
34	William Larry D.	272	95244	-
34	Haal Albert	272	90919	-
34	Jones R. E. Mrs.	272	98562	-
34	Verwoer Cliff	272	95731	-
35	Beatty J. Milton	272	96205	-
	Beatty Ruth M.			
35	Beatty Wesley H.	272	96522	-
	Beatty Margaret C.			
35	Bryant J. H.	272	95261	-
35	Bryant Jerald	272	94148	-
35	Cumrick John	272	95820	-
35	DeKam Ken	272	96204	-
35	Diamond Jay H.	273	98839	-
	Diamond Shirley H.			
35	Dickey Lynn	272	97126	-
35	William Larry D.	272	95244	See Section 34
35	Johnson L.	272	95813	-
35	Jones H. H. Mrs.	272	98743	-

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
35	Larson Dick	H W 2	91069 -	
35	Mahony Charles	H W 2	92264 -	
35	Murray Guy	E W 2	98906 -	
35	Nelson Gary L.	S R 2	96387 -	
35	Olsen David E.	S H 2	92497 -	
35	Quality Homes	E W 2	93134 -	
35	Thomas Glen A. and Thomas Pamela J.	H W 2	96407 -	
35	Trawick Roger C. Trawick Leroy K. et al	E W 2	93610 -	
35	Vernon Cliff	H W 2	95721 -	See Section 34
35	Winkler Ralph D. Winkler Florence R.	E W 2	93069 -	
-	Zach William R.	S W 2	95303 -	
13	PERMANENTE CEMENT	CWT	81181 -	
13	Permanente Cement	57 well log	80538 -	

File No.

T. 9N. R. 3W.

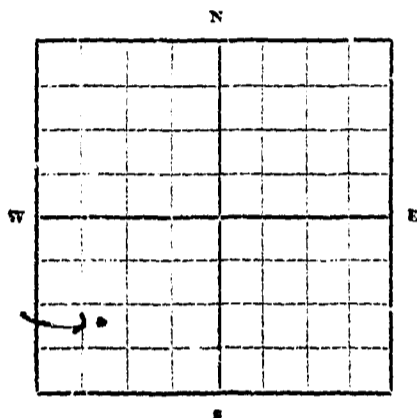
DUPLICATE

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Paul Kleffner of East Helena Mont.
(Name of Appropriator) (Address) (Town)
County of Jefferson State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



..... 1/4 Sec. 1 T9N. R. 3W.

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

2. The beneficial use on which the claim is based Stock water, Domestic water for other dwelling
3. Date or approximate date of earliest beneficial use; and how continuous the use has been first developed about 1885 and used continuously since that time.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1,000 gal per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Some irrigation is derived where the over-flow runs away.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal free flowing
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sometime about 1883 to 1885
8. The depth of water table ?
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater ?
10. The estimated amount of groundwater withdrawn each year 1,000 acre feet
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Date Feb. 4, 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

81923

RECORDER'S OFFICE }
Jefferson County, Montana } ss.
Filed for record this 4 day of Feb
A. D. 1963 at 146 o'clock P M.
Alvin M. Dawson
County Recorder
Fees, \$ 1.00

GW 1

File No.

DUPLICATE

STATE WATER CONSERVATION BOARD

JUL 19 1966

Approved Stock Form - State Publishing Co. Helena, Montana 59605

Section _____
District _____
County _____
Location _____

T. 9N R. 3W
County JEFFERSON

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

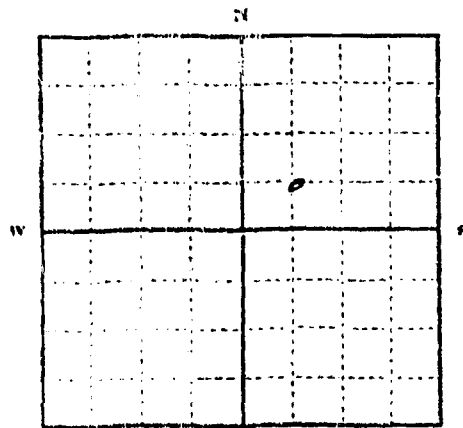
Date of Appropriation of Groundwater _____

Owner _____ Address _____

Contractor (if any) None

Address of Contractor None

Date Started None Date Completed None



SE 1/4 NE 1/4 Sec. 1 T. 9 N. R. 3 W.

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

1) Describe means of obtaining groundwater (as by sub-irrigation,
developed spring, drains, etc.) SUB-IRRIGATION

2) Means of withdrawing water (gravity, pump, canal, etc.) Pump

3) Depth of water table 10 FT.

4) Use of the water IRRIGATING HAY LANDS
MOSTLY IN LEWIS & CLARK CO.

5) Amount of groundwater claimed (in miner's inches, or gallons
per minute) 150-200 GAL. PER MIN.

6) If used for irrigation, give number of acres and description of
land 26 ACRES - HAY (ALFALFA)

7) Estimate amount of water used each year APP. 1 MG.

APP. 400,000 GAL. - THOMPSON 3. Summers
Signature of Owner William C. Summers

Date 7-18-66

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.

412.35

86790

RECORDER'S OFFICE
Jefferson County, Montana } ss.
Filed for record this 18 day of July
A. D. 1913 at 131 o'clock PM M.
Alta M. Dawson
County Recorder
Fees, \$ 200

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 Thom E. Holquist

Address 1008 N. Ewing

R. J. Helena, Montana 59601

Date well started Aug 16 - 72

completed Aug 23 - 72

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Churn

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

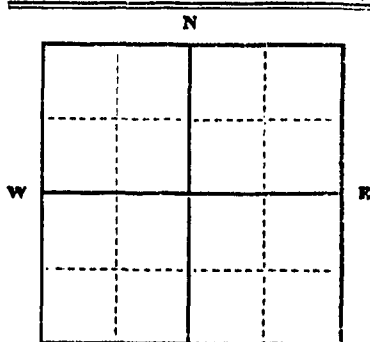
Industrial ☐ Drainage ☐ Other ☐ * Garden/Lawn ☒

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 80,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	1716	0	230	5/16 x 1 1/2	180	215



Lot 13 Kochers Property
SE 1/4 SW 1/4 Sec. 2
T. 9 N. R. 3 S. W. 3

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

Driller's Signature Wesley Lindsay

Driller's Address Clancy Montana

LICENSE NO 38

County Jefferson

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	6	Topsoil
6	30	Gravel + clay
30	87	clay
87	180	Shal clay
180	200	Hard clay + seams of Gravel
200	230	clay + Gravel

230 Show exact depth of bottom

51,593

97234

RECORDER'S OFFICE
Jefferson County, Montana } ss.
Filed for record this 11 day of Oct
A.D. 1922 at 9:05 o'clock A.M.
James O. McFarlane
County Recorder
Fees, \$2.00

By Carla A. Mellock, dep

File No. _____

T. _____ R. _____

DUPLICATE

LOG

MONTANA WATER RESOURCES BOARD

RECEIVED

County JeffersonSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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, as amended)

Owner George & Betty Rocklin Address 1025- 12th Ave. Helena, Mont.Driller Terry Lindsay Address Clancy, Mont.

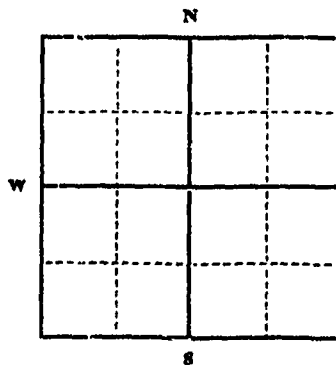
Date of Notice of appropriation of groundwater _____

Date well started July 26, 1969 Date completed Aug. 1, 1969Type of well Drilled Equipment used Churn
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Other ☐

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

0 to 30 Ft. topsoil and
gravel clay.30 Ft. to 95 Ft.
red clay95 Ft. to 104 Ft.
green clay and broken
lime rock.104 Ft. to 129 Ft.
brown clay and gravel129 Ft. to 160 Ft.
Decomposed lime rock

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	17# 5#	0 116	116 160ft.	Linear	116	160



_____ 1/4 Sec. _____ T. _____ R. _____
Indicate location of well and
place of use, if possible. Each
small square represents 40
acres.

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

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

Pumping Water Level.....154.....feet

at.....5.....gal. per minute.

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

How Tested.....Bailer.....

Length of Test.....3 hrs.....

Remarks: (Gravel packing, cementing, pack-
ers, 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 Addi-
tion).

Irrigate yard and garden.....

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

Driller's Signature

45591

91656

RECORDER'S OFFICE }
Jefferson County, Montana }
Filed for record this 22 day of August
A. D. 1959 at 10:00 o'clock A. M.
Alta M. Dawson
County Recorder
Fees, \$ 2.00

— GW 4, Declaration of Vested Groundwater Rights (This law is obsolete and was limited by law to use only through 1965)

was forwarded to this office by the County Clerk and Recorder.

This form is identified by

Owner George & Letty Kockler

1025 12th Avenue
Address Helena, Montana

Document No. 91656

Location _____

— The form is complete as filed. This is to inform you that your GW form has been received and no further action is necessary on your part.

X The form is incomplete. Please complete the enclosed copy by providing information where indicated, or as noted here and return the corrected copy to the Montana Water Resources Board in Helena.
Please fill in the Township, Range, and Section for your well location, also indicate location of well and place of use on plot.
Other. _____

NOV 12 1969

MONTANA WATER RESOURCES BOARD
Groundwater Division
Mitchell Building
Helena, Montana 59601

Recently a copy of a groundwater appropriation form,

- ☐ GW 1, Notice of Appropriation of Groundwater
- ☒ GW 2, Notice of Completion of Groundwater Appropriation by means of Well
- ☐ GW 3, Notice of Completion of Groundwater Appropriation without Well
- ☐ GW 4, Declaration of Vested Groundwater Rights (This form is obsolete and was limited by law to use only through 1965)

was forwarded to this office by the County Clerk and Recorder.

This form is identified by

Owner George & Letty Kockler

1025 12th Avenue
Address Helena, Montana

Location _____

Document No. 91656

☐ The form is complete as filed. This is to inform you that your GW form has been received and no further action is necessary on your part.

☒ The form is incomplete. Please complete the enclosed copy by providing information where indicated, or as noted here and return the corrected copy to the Montana Water Resources Board in Helena.

Please fill in the Township, Range, and Section for your well location, also indicate location of well and place of use on plot.

☐ Other.

☐ County recording information is missing. Please forward this information to the Montana Water Resources Board in Helena.



Show exact depth of bottom.

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 yard and garden

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.

38
Driller's License Number

Wesley L. Lively
Driller's Signature.

45531

45844

LOG
MONTANA WATER RESOURCES BOARD
RECEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

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

0 to 30 Ft. topsoil and
gravel clay.

30 Ft. to 95 Ft.
red clay

95 Ft. to 104 Ft.
green clay and broken
lime rock.

104 Ft. to 129 Ft.
brown clay and gravel

129 Ft. to 160 Ft.
Decomposed lime rock

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

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

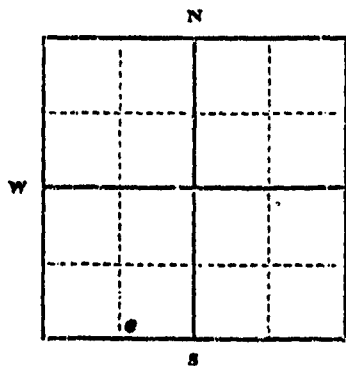
Owner George Letty Kockler Address 1025 North Hill Helena, Mont.Driller Terry Lindsay Address Clancy, Mont.

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

Date well started July 26, 1969 Date completed Aug. 1, 1969Type of well Drilled Equipment used Churn
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	17# 5#	0 116	116 160ft.	Linear	116	160



554 SW 1/4, Sec. 2, T.9N. R.3W.
Indicate location of well and
place of use, if possible. Each
small square represents 40
acres.

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

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

Pumping Water Level.....154.....feet

at.....5.....gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BailerLength of Test 3 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).

Irrigate yard and garden

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.

38
Driller's License Number

Wesley Lindsay
Driller's Signature.

45584

45844

911-362
County Jefferson 2

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 Leonard C. Wilson

Address 4000 1st Avenue

Boien, Arthur 59601

Date well started Feb 10, 1973

completed May 16, 1977

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

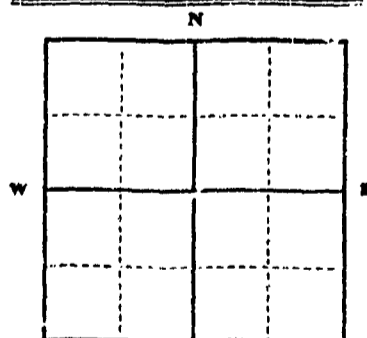
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

* Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drill/ Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 5/8"	6" ID 15 lb.	72.0'	240.0'	2 1/2"	150'	250'



SE 1/4 Sec 2
T 9 N R 3 E
W

Static water level 17 ft.*
Pumping water level 200 ft.*
at 6 gallons per minute,
measured 45 minutes after pumping
began.

*Measured from ground level.

Well developed by balancing

for 6 hours.

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

Remarks: (Gravel packing, cementing,

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

Drillier's Signature George E. Mahlum

Driller's Address 220 E. Custer Ave., West

Holera, Ontario 546-1.

LICENSE NO. 225

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

[illegible]

250.0' Show exact depth of bottom

53,501

98754

RECORDER'S OFFICE } ss.
Jefferson County, Montana }
Filed for record this 12th day of June
A.D. 1923 at 4:45 o'clock P.M.
Joanna C. McGarland
County Recorder
Res. S. 22

By Carla A. Matlack
dep

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 Larry & Shirley K. Gallagher

Address East Helena

Montana

Date well started July 5 - 71

completed July 15 - 71

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Churn

(Churn drill, etc.)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

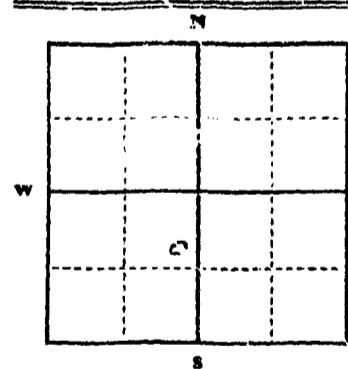
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 69,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)		To (Feet)		PERFORATIONS	
						Kind Size	From (Feet) To (Feet)
6"	17	0	98				
		98	300			Line Perforated	



NE 1/4 SW 1/4 Sec. 2
T. 9 N. R. 3 E. W

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

Driller's Signature Wesley Lindsay

Driller's Address Clancy Montana

LICENSE NO. 35

County Jefferson

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	33	Clay + gravel
33	87	Clay
87	98	Sandy clay
98	250	Clay sand gravel
250	300	Bottom line

300 Show exact depth of bottom

49376

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

10-12-1971

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.

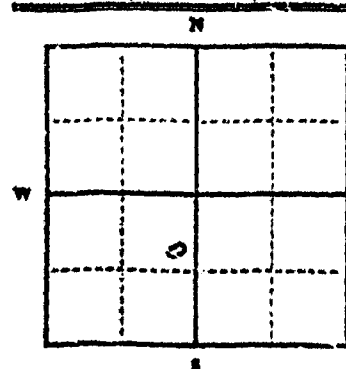
Owner James M. Kelly & Shellen
Address East Helena
Montana
Date well started July 5-71
completed July 15-71
Type of well Drilled
Equipment used Churn
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

For Administrator's Use
File 95544
November 10, 1971
4:40 PM
GW 1

*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 60,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
6"	17	0	98	
		98	300	1 line perforated



Static water level 75 ft.*
Pumping water level 274 ft.*
at 2 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by
for hours.
Power HP
Remarks: (Gravel packing, cementing, packers, type of shut-off)

NE 1/4 Sec. 2
T. 9 N. R. 3 E.

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

Driller's Signature Wesley Lindsey
Driller's Address Clancy Montana

LICENSE NO. 38

From (Feet)	To (Feet)	
0	23	Clay + gravel
23	87	Clay
87	98	Sandy clay
98	250	Clay sand gravel
250	300	Bottom line

300 Show exact depth of bottom

49376

95544

RECORDER'S OFFICE
Jefferson County, Montana } ss.
Filed for record this 12th day of Nov
1910
James M. Burton
County Recorder
Fees, \$

File No.

DUPLICATE

T. 7N R. 3W

County Jefferson

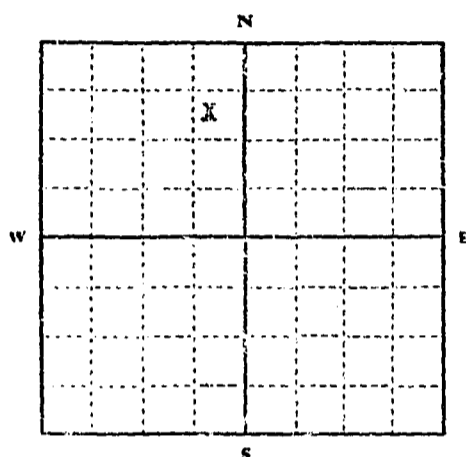
JAN 8 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Frank E. Erickson, of Jefferson City
(Name of Appropriator) (Address) (Town)
County of Jefferson State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 6 T. 7N R. 3W

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
1905 continuous

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
garden and lawn 1 acre

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1905

8. The depth of water table
22 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
hand dug, rock walled, 28 feet deep, 4 feet in diameter

10. The estimated amount of groundwater withdrawn each year

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

none

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

Signature of Owner Frank E. Erickson

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.

19541

83309

RECORDER'S OFFICE }
Jefferson County, Montana }

Filed for record this 31 day of Dec

A. D. 1963 159 P

W. H. Anderson
County Clerk

Fees, \$ 2.00

File No.

T. 9ⁿ R. 3^W

DUPLICATE

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

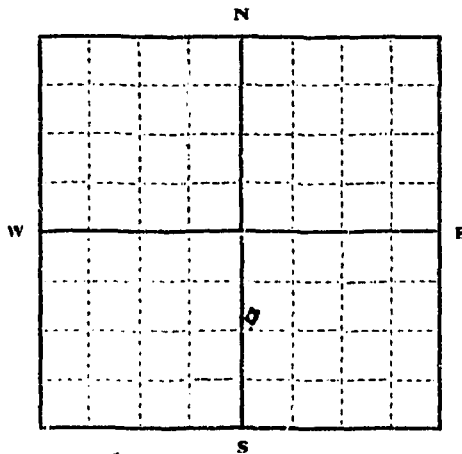
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Joseph P. Poche, of Box 96, Helena
(Name of Appropriator) (Address) (Town)

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



GW 1/4 SE Sec. 11 T. 9 R. 3

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
stock & garden & lawns
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1915 or 1916 as near as
we can get the information
4. The amount of groundwater claimed (in miner's inches or gallons per minute) could be pumped dry is all 2
could find out
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
only for garden & lawns
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 Not available finished in 1915 or
1916
8. The depth of water table 20 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 2 inch well 100 ft deep back County
10. The estimated amount of groundwater withdrawn each year I couldn't figure that out
11. The log of formations encountered in the drilling of each well if available
Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None that I know of

Signature of Owner Joseph P. Poche

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.

19507

83275

RECORDER'S OFFICE }
Jefferson County, Montana }

Filed for record this 31 day of Dec

A. D. 1943 126 o'clock P. M.

Alvin H. [Signature]
County Recorder

Fees, \$ 2.00

File
DU



STATE WATER CONSERVATION BOARD

MAR 2 1966

Bill _____ McDermott _____
Butcher _____ McNulty _____
Coyle _____ Morton _____
Dartinton _____ Sullivan _____
Dick _____

GREAT NORTHERN DRILLING CO., INC.

PROFESSIONAL BUILDING • BOX 1933 • PHONE 406-282-4658
BILLINGS, MONTANA 59103

March 1, 1966

BRANCH OFFICE:
L. P. ANDERSON BUILDING
MILES CITY, MONTANA
PHONE 282-4264

State of Montana
State Engineer
Helena, Montana

Gentlemen:

Enclosed is the duplicate copy of the "Notice of Completion of Groundwater Appropriation by Means of Well" on the American Telephone & Telegraph Company water well drilled in the NE $\frac{1}{4}$ Section 12, Township 9 North, Range 3 West, Jefferson County, Montana, which is to be filed with your office.

Yours very truly,

GREAT NORTHERN DRILLING CO., INC.

Vernon G. Molen
Vernon G. Molen
Vice President

VGM:lcf

Enclosure

cc: American Telephone & Telegraph Company
811 Main Street
Kansas City, Missouri



Show exact depth of bottom.

69

Driller's License Number
Great Northern Drilling Co.

Vernon G. Molen
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.

N¹/₄ Section 12 T. 9N R. 3W 12

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level 885
4323)

100' Encountered Dolomite
& Limestone from
surface to total
depth

200'

300'

400' Casing set @ 396'

Producing water
from fractured dolomite

300' Total Depth, 505'

Owner: American Telephone & Telegraph Company Address Helena, Montana

Driller: Great Northern Drilling Co., Inc. Address Box 1953, Billings, Montana

Date of Notice of Appropriation of Groundwater 12-22-65

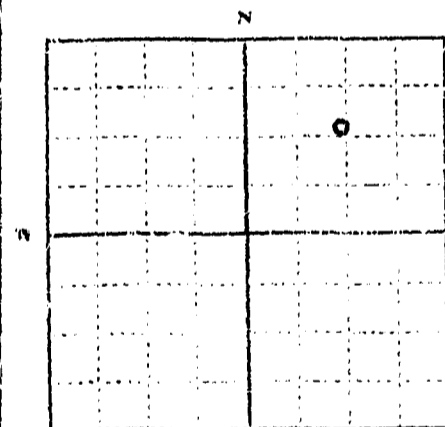
Date well started 11/29/65 Date Completed 12/22/65

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

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

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

	Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
					Kind Size	From (Feet)	To (Feet)
300'	9"	7"	0	396'	Open Hole	396'	505'
	6 1/2"		396'	505'			



NE 1/4 Sec. 12 T. 9N R. 3W
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 473' feet at 3 gal. per minute.

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

How Tested Pump Length of Test 72 hours

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

7" casing was cemented with 40 sacks cement
at 396' and well was drilled and completed
from 6 1/2" open hole.

69

Driller's License Number
Great Northern Drilling Co.
James J. Miller
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.

File No.

DUPLICATE

STATE OF MONTANA

RECEIVED

T. (91) R. (30)

County Jefferson

REFERRED TO

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 4343')Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Am. Tel. & Tel. Co. Address 811 Main Street
Kansas City, Missouri
P. O. Box 1953
Driller Great Northern Drig. Address Billings, Montana

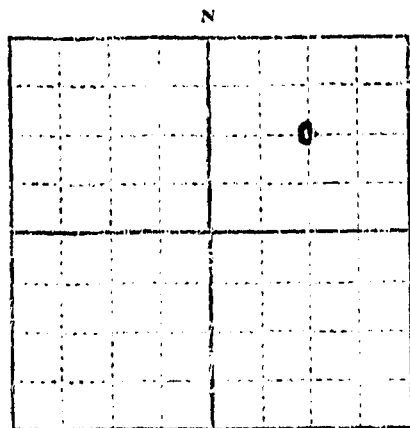
Date of Notice of Appropriation of Groundwater

Date well started 5/11/65Date Completed 6/11/65Type of well drilled
(dug, driven, bored or
drilled)Equipment Used Rotary
(Churn, drill, rotary or
other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☒ Drainage ☐ Stock ☐

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

236' 7" Casing

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
12 1/2"	7"	0	70			
7 7/8"		70	114.8			
6 1/2"		248	304			

1/4 Sec. 12 T. 9N R. 3W
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

504'

Static Water Level for non-flowing Well 400 feet.

Shut-in Pressure for Flowing Well

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

Discharge in gal. per min. of flowing well

How Tested bailed Length of Test 32 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 69Driller's Signature W.J. Williams

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.

34321

85522

RECORDER'S OFFICE } ss.
Jefferson County, Montana }
Filed for record this 26 day of July
A. D. 1915 at 115 o'clock P.M.
Wm. M. Dawson
County Recorder
7022
For \$ 2.00

19518

83286

RECORDER'S OFFICE }
Jefferson County, Montana } ss.
Filed for record this 31 day of Dec
A. D. 1963 at 116 o'clock P.
[Signature]
Fee, \$ 2.00

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. I, The Maronick Company of P. O. Box 7, East Helena
(Name of Appropriator) (Address) (Town)

County of Jefferson, 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 Household and Domestic uses
including small gardens
(Describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 50 to 200 gallons per minute (explained below)

The estimated amount of groundwater to be used annually 35,000/10 gallons

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

5. The probable or intended date of first beneficial use April 1st 1972

6. The probable or intended date of commencement and completion of the well* or wells* October 1st 1970

7. The location, type, size and depth of well or wells contemplated six inch well approximately 250 feet deep situated in NE 1/4 of Sec 14, Sec Township 6N, Range 3W and a small portion in the SE corner of NE 1/4 of Sec 14, Township 6N, Range 3W

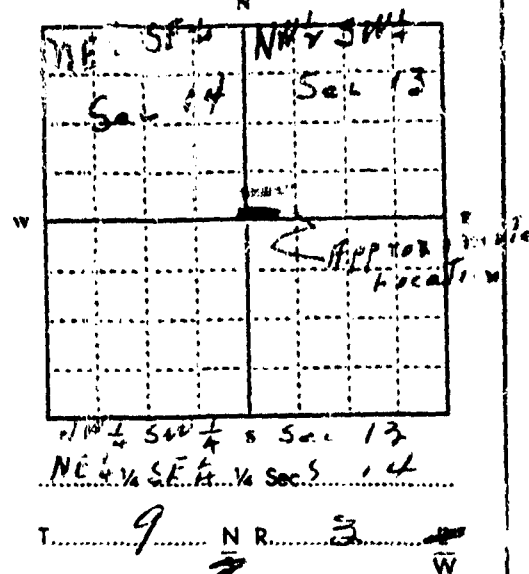
8. The probable or estimated depth of the water-table or artesian aquifer 200 feet

9. The name, address, and license number of the driller engaged M. J. Lindsey Well Drilling
Glendy, Montana License No 18

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

The usage of this water is for a
Ranchette and housing tract just begun
and full consumption depending on sales

For Administrator's Use	
File	



LOCATE WELL OR OTHER MEANS OF DEVELOPMENT AS ACCURATELY AS POSSIBLE ON THE PLAT.

Signature of Appropriator Edward P. Maronick Date 9-9-71

*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.

95174

RECORDER'S OFFICE
Jefferson County, Montana } ss.
Filed for record this 9 day of Sept
A. D. 19 21 at 2:30 o'clock P. M.
James L. McFarlane
County Recorder
Fees. \$ 2.00

RECEIVED

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MAR 14 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, 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 Maronick Construction Company

Address East Helena

Montana

Date well started Jan. 27 - 72

completed Feb. 11 - 72

For Administrator's Use

File 96067 March 13, 1972

8:20 a.m.

GW 1

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Churn

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☒ Stock ☐ Irrigation ☐

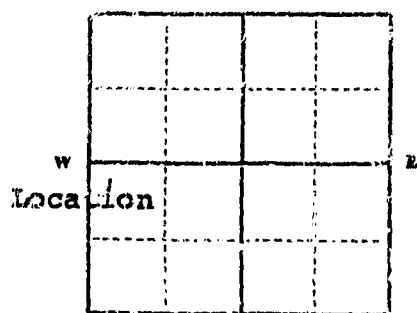
Industrial ☐ Drainage ☐ Other ☐ * Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 1,000,000

Size of Driller's Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
10"	28 lb.	0	70	Kind Size	From (Feet)	To (Feet)
				5/16 x 1-1/2	40	65



Static water level 5 ft.*
Pumping water level 55 ft.*
at 200 gallons per minute,
measured 8 minutes after pumping
began.

*Measured from ground level.

Well developed by pump

for 8 hours.

Power 1/2 HP Pump 2 HP

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

Hole back

filled to 70

with gravel

NW 1/4 SW 1/4 Sec. 13
T. 9 N. R. 3 E.

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

Driller's Signature Wesley Lindsey

Driller's Address Clancy Montana

LICENSE NO. 38

82 Show exact depth of bottom

50,035

Test #2 North

County.....Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED

MAR 14 1972

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 Maronick Construction Company

Address **East Helena**

Montana

Date well started Aug. 10 - 71 GW 1

completed Aug. 15 - 71

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

Equipment used Churn
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☒ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

★ Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Mixed Size	From (Feet)	To (Feet)
6"	17 lb.	0	78	5/16 x 1-1/2	42	75

Static water level 5 ft.*
Pumping water level 25 ft.*
at 200 gallons per minute,
measured 6 days after pumping
began.

*Measured from ground level.

Well developed bypump.....
for6.....hours.

Power...Gas..... Pump.....4.... H²O
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

NW ¼ SW ¼ Sec. 13.

T. 9. NR. 3.

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

Driller's Signature Wesley Lindsey

Driller's Address Clancy, Montana

LICENSE NO. 38

[illegible]

78 Show exact depth of bottom

50,036

96068

RECORDER'S OFFICE
Jefferson County, Montana
Filed for record this 13 day of March
A.D. 1922 at 8:35 o'clock P.M.
James P. McFarlane
County Recorder
Fee 2.00

File No.

T. 9N R. 3W

DUPLICATE

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level 4040)

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Permanente Cement Co. Address Montana City, MontanaDriller Price & Lindsay Address Clancy, MontanaDate of Notice of Appropriation of Groundwater Not applicableDate well started April 4, 1962 Date Completed April 25, 1962

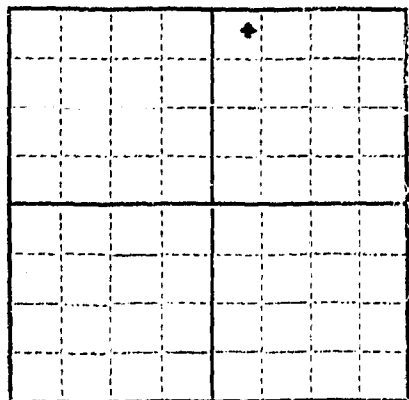
Type of well Drilled Equipment Used Rotary
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
13-3/8" dia	13-3/8" OD. 50 lb/ft.	0'	120'		114'	120'
					117'	
					12 holes/foot	

-- 120' (3920)



NW 1/4 NE 1/4 Sec. 13 T. 9N R. 3W

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 33 feet.Shut-in Pressure for Flowing Well Not applicablePumping Water Level 87 feet at 249 gal. per minute.Discharge in gal. per min. of flowing well Not applicableHow Tested Pump Length of Test 48 hours

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

* 38

Driller's License Number

Robert Price

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.

1860

81233

RECORDER'S OFFICE }
Jefferson County, Montana }

Filed for record this 22 day of July

A. D. 1962 1143 o'clock AM M.

Wm. M. Davidson
County Recorder

Fee, \$ 1.00 Pd.

RECORD California

94 20 13
County JEFFERSON

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, 1967

(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 DWANE A. SCHAEFF

Address 2370 YORK RD

HELENA, MONT 59601

Date well started AUG 3, 1970

completed AUG 6, 1970

For Administrator's Use	
File	<u>98903</u>
Date	<u>JUN 29, 1973</u>
GW	<u>2:00 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 ☐

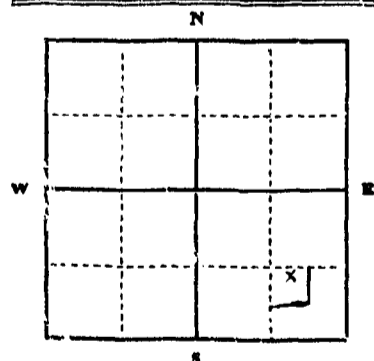
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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
6"	6 5/8 O.D. 17 LB	0	25	4 1/2" LINER
	4 1/2" O.D. 12 LB	24	38	PERFORATED WITH TAPCH



SE 1/4 SE 1/4 Sec. 13
T. 9 N. R. 3 E. S. 8 W.

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

Driller's Signature PRICE (deceased)

Driller's Address CLANCY

LICENSE NO. 171

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	6 1/2	TOP SOIL & LOAM
6 1/2	19	LOOSE DECOMPOSED GRANITE
19	34	FIRM DECOMPOSED GRANITE
34	38	HARD GRAY GRANITE
10'		SOME WATER
25'		APPROX 3 GPM.
38'		5 GPM.

38' w exact depth of bottom

54593

98903

RECORDER'S OFFICE
Jefferson County, Montana
Filed for record this 29th day of June
A. D. 1973 at 2:30 P. M.
Jeanne C. McCalane
County Recorder
Fees \$ 2.00

County JEFFERSON

13

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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.

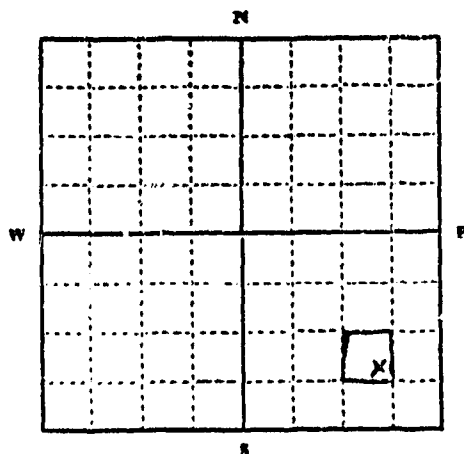
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

For Administrator's Use

File 75904

March 29, 1973

GW 1 2:15 p.m.



SE 1/4 SE 1/4 Sec. 13

T. 9 N. R. 3 E.

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated

Owner DUANE A. SCHAFF

Address 2370 YORK RD

Contractor (if any)

Address of Contractor

Date Started March 1973 Date Completed March 1973

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) DEVELOPED SPRING, dug out, cleaned out, dammed

2. Means of withdrawing water (gravity, pump, canal, etc.) gravity

3. Depth of water table surface

4. Use of the water: IRRIGATION & STOCK

5. Amount of groundwater claimed (in miner's inches or gallons or minute) 5 gallons

6. If used for irrigation, give number of acres and description of land 11.814 ACRES PASTURE, GARDEN, LAWN

7. Estimate amount of water used each year

8. Months of year spring flows

Signature of Owner Duane A. Schaff

Date

54594

98904

RECORDER'S OFFICE
Jefferson County, Montana
Filed for record this 25 day of June
A. D. 1973 at 2:15 o'clock P.M.
James L. McFarlane
County Recorder
Fees, \$ 2.00

File No.

T. 4th R. 3rd

DUPLICATE

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 15 1964

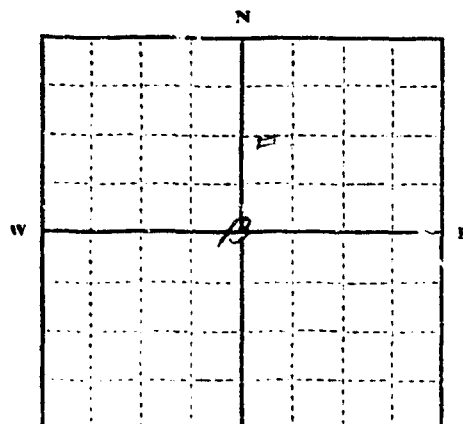
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. School District 27, Montana City, of D. 3rd 4th Helena,
(Name of Appropriator) (Address) (Town)

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



13th 14th 15th 16th Sec. 13 T. 4th R. 3rd

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 Drinking water
& school purposes

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept 5, 1961 all through the year now during school term

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30-40 gal

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Hand pump
using a pitcher & dipper
Near school house, Montana City

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Drinking began Aug 29, 1961 then finished Sept 5, 1961

8. The depth of water table 20 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Depth of well 13 ft. Drilled 6 1/2 in. size of casing

10. The estimated amount of groundwater withdrawn each year 5000 gal

11. The log of formations encountered in the drilling of each well if available. 0 to 5' soil, some sharp gravel, 15' - 16' Gray clay, some shales, some 16' blue limestone clay 21' - 40' Clay some dark gray 40' - 65' light bluish limestone 65' - 75' light gray limestone clay 75' - 81' brown clay 81' - 108' light limestone some clay 108' - 121' alternating shallow strata of soft & tight bluish limestone clay also sand 121' - 130' very tight blue limestone

12. Such other information as may be useful in carrying out the policy of this act, including reference to book and page of any county record 130' - 131' with some shales
42' record also page 10 some reference

Signature of Owner Clark Jerome D. Darda

Date Dec 25, 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.

19596

83274

RECORDER'S OFFICE }
Jefferson County, Montana } ss.
Filed for record this 31 day of Dec
A. D. 1913, 100 o'clock P.
W. H. H. H. County Recorder
Fee, \$ 2.00