

2574 334328

I received and filed this Instrument for record on the 29 day of June 1973 at 2:44 o'clock P.M. permanent files of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By M. M. Conway, Deputy
Fee \$2.00

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.

MISSOULA COUNTY RECORDS DEPARTMENT
 MISSOULA, MONTANA 59801
 PHONE 838-2111
 TELETYPE 838-2111
 FAX 838-2111

RECEIVED

County Missoula 5

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

JUL 8 1973

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

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

Developed after January 1, 1962

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

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

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

Clifford W. and

Owner **Kathryn E. Phillips**

Address **Grant Creek**

Missoula, Montana

Date well started **10/27/72**

completed **11/14/72**

Type of well **Drilled**

Equipment used **Cable Tools**

Water Use: Domestic Municipal Stock Irrigation

Industrial Drainage Other Garden/Lawn

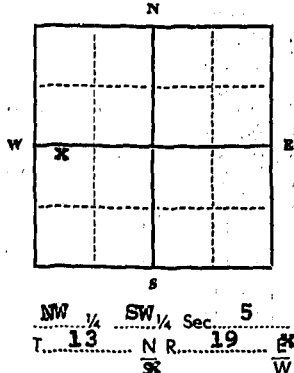
*Describe **Trailer Court**

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. ten acres**

ESTIMATED ANNUAL WITHDRAWAL **31,536,000 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 3/4"	+2	114	Shop Made	114	121
	Blank tailpipe with one inch plate welded in bottom			extends	121	132

Top of Ground Approx. (Elev. above sea level)		3282'
From (Feet)	To (Feet)	
0	1	Topsoil
1	28	Brown dirt, gravel, cobblestones and boulders
28	84	Gravel, cobblestones, and boulders mixed in tan clay
84	92	Gravel and cobblestones embedded in tan clay
92	105	Gravel, cobblestones and boulders embedded in yellow clay
105	110	Yellow and brown clay
110	114	Small gravel with stringers of brown clay. Some water
114	132	Gravel and cobblestones water



Static water level **69'8"** ft.*
Pumping water level **105 ft.***
at **60** gallons per minute, measured **900** minutes after pumping began.
*Measured from ground level.
Well developed by **Air Lift Pump** for **15** hours.
Power **Diesel** Pump **150** HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) **All water entering well through slot openings in water wall screen. Wells in this area can be drilled**

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

Driller's Signature **W. Osborne**
LIBERTY DRILLING COMPANY

Driller's Address **2500 Reserve Street**

Missoula, Montana 59801 LICENSE NO. **52**

132 ft. Show exact depth of bottom
Water rises in well **69'8"** from surface.

55044

3573

334327

I received and filed this instrument for record on the 29 day of June 1923 at 10:20 o'clock, P.M., permanent files of Missoula County, State of Montana

Witness my hand:
 Dorothy L. Head, County Recorder
 By Dorothy L. Head, Deputy
 Fee \$ 2.00 Paid ck

pended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

File No. _____

STATE WATER CONSERVATION BOARD

T. 13N R. 19W

DUPLICATE

SEP 1 1966

County Missoula

LOG

State of Montana
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Top of Ground
 (Elev. above sea level) Approx. 3500

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Dorothy E. &/or Francis L. Ryan Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 4/6/66 Date completed 4/11/66

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

Water use: Domestic Municipal Stock Irrigation
 Industrial Drainage Other

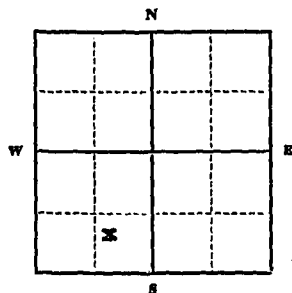
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Formations Log:

- 0 - 1 Black dirt.
- 1 - 21 Gravel, cobblestones & some tan clay.
- 21 - 46 Gravel imbedded in tan clay.
- 46 - 56 Gravel mixed in tan sand. Water.
- 56 - 60 Sand & gravel mixed in tan clay.
- 60 - 67 Fine sand & gravel. Some silt. Water.
- 67 - 77 Gravel imbedded in tan clay.
- 77 - Gravel imbedded in purple clay.

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	61	5 9/16 inch OD Shop made screen	60	67

Water rises in the well 29 feet from surface.



Static Water Level for non-flowing well _____ 29 feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level _____ 53 feet
 at _____ 50 gal. per minute.

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

How Tested Air Lift Pump

Length of Test 2 1/2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through slots in 5 9/16 inch OD shop made screen.

NE 1/4 SW Sec. 5 T. 13N R. 19W
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Five Acres

Show exact depth of bottom.

Bottom of hole 77'

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 53
 Driller's Signature William F. Adams

41, 355

1643

25342

I received and filed this Instrument for record on the 20 day of Aug, 1966 at 10:45 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:
 Yvonne R. Cruse, County Recorder
 By John G. Mann, Deputy
 Fee \$ 2.00 Paid

How Tested: _____
 Date of Test: _____
 Name of Tester: _____
 Name of Instrument: _____
 Name of Instrument: _____

DUPLICATE

216 1 1966

Q

RECEIVED

File No. 103

T 13N R 19W

County Missoula

TRIPPLICATE

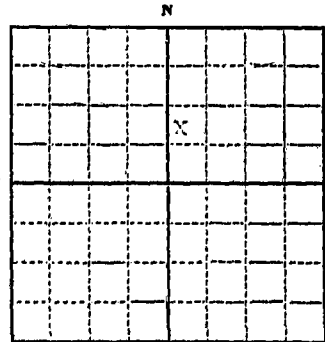
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. William J. & Blanche V. Wheeler, of Grant Creek, 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 Trailer Village, Domestic, Garden & Lawn
(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
gallons per minute
4. The annual period (inclusive dates) of intended use continuous
5. The probable or intended date of first beneficial use JUNE 30, 1973
6. The probable or intended date of commencement and completion of the well* or wells*
One well, June 25, 1973 - June 30, 1973
7. The location, type, size and depth of well or wells contemplated North Hwy, Grant Creek, West of Missoula, Montana, Drilled, Twelve inch, Approx. 125'
8. The probable or estimated depth of the water table or artesian aquifer 40 ft.
9. Name, address and license number of the driller engaged LIBERTY DRILLING COMPANY
License No. 52, Public Contractor's License No. 1592 - "A"
10. Give such other similar information as may be useful

in carrying out the policy of this act.....
12" OD x .375 Wall Black Steel
Water Well Casing, 12 x 82" Drive
Shells, Johnson Wire Wound Water Well
Screen w/continuous slot opening as
necessary, sampling, developing &
Capacity testing one well



2540, 334085
June 28, 1973
E. H. H. H.

NE 1/4 Sec. 5 T 13 R 19
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator William J. Wheeler
Date June 18, 1973

* 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.

54476

2540 334085

I received and filed this instrument for
record on the 28 day of June 1973
at 11:4 o'clock A. M. permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By M. M. Conroy Deputy
Fee \$ 2.00 paid

RECEIVED

File No. _____

T. 13N R. 19W

DUPLICATE

AUG 25 1972

County Missoula

LOG

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE STATE WATER CONSERVATION BOARD

Top of Ground (Elev. above sea level 3182) Approx. Formations Log:

- 0 - 9 Tan clay.
- 9 - 81 Gravel mixed in tan clay.
- 81 - 96 Tan clay and gravel. Seeps of water.
- 96 - 112 Gravel. 50 GPM
- 112 - 135 Gravel imbedded in clay. Silty water.
- 135 - 148 Gravel mixed in silty sandy clay.
- 148 - 155 Clay bound gravel.
- 155 - 164 Gravel. Some water.
- 164 - 168 Tan clay.
- 168 - 171 Fine sand. Water.
- 171 - 172 Clean gravel. Water.
- 172 - 186 Clean coarse gravel. Water.
- 186 - 202 Tan clay with some gravel mixed in.

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 M. & S. Construction Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater NONE FILED

Date well started 8/2/69 Date completed 8/6/69

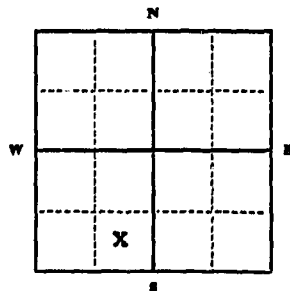
Type of well Drilled Equipment used Air Rotary (Dug, driven, bored or drilled) (Churn drill, rotary or other)

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"	6 5/8" OD x 1/2"	+2	195	Mills Knife	172	185'6"

Water rises in the well 67 feet from surface.



Static Water Level for non-flowing well 67 feet.

Shut-in Pressure for Flowing Well NONE

Pumping Water Level 147 feet at 450 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Non-flowing Air Lift Pump

Length of Test Six hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through perforations in eight 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 not in excess of 60 percent of the tested capacity of the aquifer. (Continue on reverse side)

SE 1/4 SW Sec. 6 T13N 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).

#2322
No. 321120
Filed for record
this 22 day of August
A. D. 19 72, at 2:33
o'clock P. M.

Show exact depth of bottom. Bottom of well 202'

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

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

52
Driller's License Number
William J. Calhoun
Driller's Signature.

51,236

DATE

#2332 3-11-20

I received and filed this instrument for
 record on the 11th day of March 1920
 at 2:32 o'clock P.M. at the office
 of Missouri County State of Missouri
 Witness my hand
 Varanda A. Croft, County Recorder
 By Varanda A. Croft Deputy
 Fee \$ 2.00 cash Paid

RECORDED

11th day of March 1920

FILED

MISSOURI COUNTY
 RECORDS DEPARTMENT
 SPRINGFIELD, MISSOURI

RECEIVED

6

File No. _____

T. 13N. R. 19W

DUPLICATE

JUL 5 1973

County. Missoula

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, School District #4, Miss. Co. of Route #2, 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 School Building and Grounds Irrigation
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 100
Gallons per minute

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

5. The probable or intended date of first beneficial use September 15, 1973

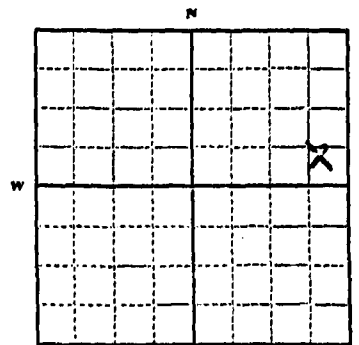
6. The probable or intended date of commencement and completion of the well* or wells*
September 15, 1973

7. The location, type, size and depth of well or wells contemplated Between Hwy 10 & 93, West of Missoula, Montana, Drilled, Eight Inch, Approx. 100 ft.

8. The probable or estimated depth of the water table or artesian aquifer 22 feet

9. Name, address and license number of the driller engaged Official bids to be let to licensed, qualified Driller.

10. Give such other similar information as may be useful in carrying out the policy of this act.
Well information will be filed as soon as available.



2567 33424
June 29, 1973
12:14 p.m.

E3/4 of SE1/4, NE 1/4 Sec. 6, T. 13 N. R. 19
Laying South Locate well or other means of of the Inter-development as accurately as possible on the plat.
State.

Signature of Appropriator Russell J. Sutter

Date June 29, 1973

* 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.

575 323

2567

334291

I received and filed this instrument for
record on the 29 day of June 1973
at 12:14 o'clock P. M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By Tom McConaughy, Deputy
Fee \$2.00 Fee Paid

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 Blanche V. &/or
William J. Wheeler

Address Grant Creek

Missoula, Montana

Date well started 2/14/70

completed 4/10/70

Type of well Drilled

Equipment used Cable Tools

Water Use: Domestic Municipal Stock Irrigation

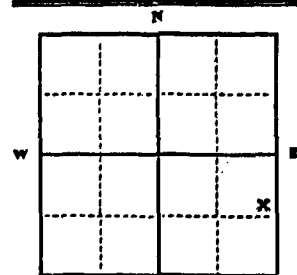
Industrial Drainage Other Garden/Lawn

*Describe Trailer Court

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 40 acres

ESTIMATED ANNUAL WITHDRAWAL 315,360,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATION:		
				Kind Size	From (Foot)	To (Foot)
12"	12 3/4" OD x .375	Plus Two	354	Mills Knife	126 194	144 243



Static water level 91 ft.*
Pumping water level 128 ft.*
at 600 gallons per minute,
measured 74 minutes after pumping
began.

*Measured from ground level.
Well developed by Air Lift Pump
for 74 hours.

Power Diesel Pump. 150 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) All water
entering well is coming

through perforations in
twelve inch casing. Well
was initially developed

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

Driller's Signature Wm S. Osborne
LIBERTY DRILLING COMPANY
2500 Reserve Street

Driller's Address Missoula, Montana 59801 LICENSE NO. 52

DRILLER'S LOG

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

Top of Ground APPROX. (ft. above sea level) 3272'

From (Foot)	To (Foot)	
0	2	Black topsoil
1	5	Black dirt, gravel & cobbles
5	30	Tan silt with sand, gravel & cobbles mixed in
30	35	Gravel embedded in silty, sandy clay
35	37	Silty clay, some gravel & sand in alternate layers
37	61	Gravel embedded in silty sandy clay
61	84	Tan silty clay, some gravel mixed in
84	88	Tan silty clay, some pebbles mixed in
88	101	Tan silty clay with gravel mixed in
101	110	Gravel embedded in tight silty clay
110	122	Silty, sandy clay with gravel in alternate layers. Seeps
122	126	Tan silty clay with gravel mixed in
126	144	Sand, gravel & cobbles. Some water
144	199	Gravel, cobbles with strips of brown clay
199	243	Sand, gravel and cobbles. Some water
243	246	Light tan clay, some gravel and cobbles
246	268	Cream colored clay
268	284	Light gray silty clay
284	285	Thin layer of nice gravel, silty sand
285	292	Gravel embedded in light gray clay
292	308	Cemented light tan clay, some gravel mixed in
308	318	Light brown clay with gravel mixed in
318	328	Light tan clay with gravel mixed in
328	331	Light brown colored clay with gravel mixed in
331	339	Gravel & cobbles embedded in light tan clay. Seeps
339	352	Sand & gravel, some clay. Some water
352	362	Gravel & cobbles embedded in clay

362' Show exact depth of bottom
Water rises in well 91 feet
from surface.

53,443

2977

333015

I received and filed this instrument for record on the 7 day of June 1972 at 11:22 o'clock A.M. permanent files of Missoula County, State of Montana

Witness my hand:
 Dorothy L. Head, County Recorder

By Dorothy Headley Deputy
 Fee \$ 2.00 cash Paid o

by surging, sandpumping and balling until gravel pack was built up around perforations and formations stabilized. Development was then completed by surging and pumping with compressed air.

DATE	TIME	DESCRIPTION	BY
1972	11:22 AM	RECORDED	DOROTHY L. HEADLEY
1972	11:22 AM	INDEXED	DOROTHY L. HEADLEY
1972	11:22 AM	FILED	DOROTHY L. HEADLEY
1972	11:22 AM	INDEXED	DOROTHY L. HEADLEY
1972	11:22 AM	FILED	DOROTHY L. HEADLEY

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.

Blanche V. &/or
Owner William J. Wheeler

Address Grant Creek
Missoula, Montana

Date well started 1/11/73
completed 2/15/73

For Administrator's Use
File 2496; 333014
11:15 A.M.
GW 1 June 7, 1973

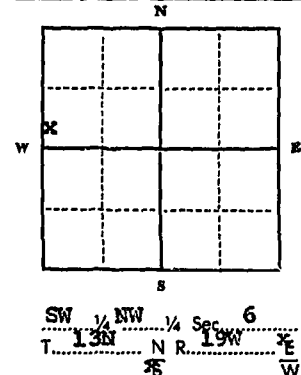
Type of well Air Rotary Drilled
(Dug, driven, bored or drilled)
Equipment used Air Rotary & Cable Tools
(Churn drill, rotary or other)

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

*Describe Trailer Court
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. 60 acres

ESTIMATED ANNUAL WITHDRAWAL 315,316,000 gallons

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)).
12" 12 3/4" OD Plus x .375 1'8" 174 Mills Knife 168 173
Johnson Wire Wound Water Well Screen with continuous slot openings 100/100 174 180
and " 125/100 180 189
Blank tailpipe with one inch plate solidly welded in bottom extends 189 203



Static water level 83 ft.*
Pumping water level 138 ft.*
at 600 gallons per minute,
measured 360 minutes after pumping began.

*Measured from ground level.
Well developed by sandpumped,
surged with compressed air
for 66 hours.
Power Diesel Pump 150 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)
Top of screen is fitted with a lead packer tightly swaged to the inside of the twelve inch casing. All water entering well is coming through perforation in twelve inch casing and through slot openings in Johnson water well screen.

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

Driller's Signature [Signature]
LIBERTY DRILLING COMPANY
Driller's Address 2500 Reserve Street
Missoula, Montana

LICENSE NO. 52

RECEIVED
JUN 11 1973

County Missoula

DRILLER'S LOG

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

Top of Ground Approx (Elev. above sea level) 3210'

Log table with columns: From (Feet), To (Feet), Description.
0 1 Topsoil
1 53 Heavy tan clay
53 139 Tan clay with some gravel, cobblestones & boulders mixed in
139 166 Silty sand & gravel with a few cobblestones mixed in
166 191 Sand & gravel. Water
191 198 Silty sand & gravel
198 203 Seeps of water
203 Light gray clay with a few gravels mixed in

203 feet Show exact depth of bottom
Water rises in well 83 feet
from surface.

53445

296

353014

I received and filed this instrument for record on the 7 day of June 1973 at 11:50 o'clock A.M. permanent files of Missoula County, State of Montana. Witness my hand: Dorothy L. Heady, County Recorder. By Glenn Chalkey, Deputy. Fee \$ 2.00 cash Paid.

RECORDED & INDEXED
MISSOULA COUNTY CLERK
MISSOULA, MONTANA

DATE	TIME	FILE NO.	INDEXED	RECORDED
1973 JUN 7	11:50 AM	353014	✓	✓

0

File No. _____

T. 13N R. 19W

TRIPPLICATE

County Missoula

MONTANA DEPARTMENT OF WATER RESOURCES AND CONTROL STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

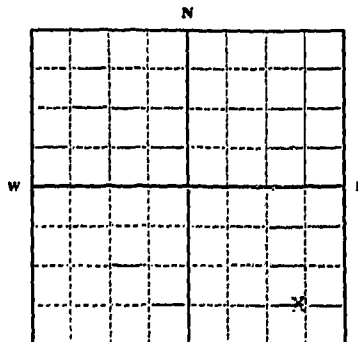
Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

- 1. William J. & Blanche V Wheeler, of Grant Creek, Missoula (Name of Appropriator), of (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 Trailer Village, Domestic, Garden and Lawn (describe lands to be benefited, if for irrigation) 3. The rate of use in gallons per minute or miner's inches of groundwater claimed 600 gallons per minute 4. The annual period (inclusive dates) of intended use Continuous 5. The probable or intended date of first beneficial use June 30, 1973 6. The probable or intended date of commencement and completion of the well* or wells* Two wells June 18, 1973 - June 30, 1973 7. The location, type, size and depth of well or wells contemplated Between Hwy 10 & 93 West of Missoula, Montana, Drilled, Eight inch, Approx. 300 ft. 8. The probable or estimated depth of the water table or artesian aquifer 52 feet 9. Name, address and license number of the driller engaged LIBERTY DRILLING COMPANY, License No. 52, Public Contractor's License No. 1592 - "A"

10. Give such other similar information as may be useful

in carrying out the policy of this act. 8" OD x 29.02" Black Steel Water Well Casing, 8" x 34" Drive Shoe, Johnson Wire Wound Water Well Screen w/continuous slot opening as necessary, Sampling, developing & capacity testing two wells



334086 June 28, 1973 8:16 a.m.

Sec. 6 T. 13 R. 19 1/4 Sec. Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator [Signature] Date June 18, 1973

* 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.

54477

25-11

334086

I received and filed this Instrument for
 record on the 28 day of June 1973
 at 11 o'clock A. M. permanent files
 of Missouri County, State of Montana
 Witness my hand:
 Dorothy L. Head, County Recorder
 By M. C. Crumley, Deputy
 Fee \$2.00 Paid che

MISSOURI COUNTY, MONTANA
 DEPARTMENT OF REVENUE
 RECEIVED
 JUN 28 1973
 MISSOURI COUNTY, MONTANA
 DEPARTMENT OF REVENUE
 RECEIVED
 JUN 28 1973

File No. _____

T. 13N R. 19W

DUPLICATE

MONTANA WATER RESOURCES BOARD
LOG RECEIVED

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level 3182')

Approved AUG 26 1968

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

(Under Chapter 237, Montana Session Laws, 1961)

Formations Log:

- 0 - 2 Black dirt.
- 2 - 13 Gravel and cobbles. Some sand mixed in.
- 13 - 18 Gravel mixed with tan clay.
- 18 - 59 Coarse gravel. Some sand mixed in.
- 59 - 63 Gravel and tan clay in thin alternate layers.
- 63 - 109 Coarse sand and gravel. Water below 81 feet.
- 109 - 121 Brown clay.
- 121 - 125 Gravel imbedded in brown clay.
- 125 - 134 Brown clay.
- 134 - 157 Fine to coarse gravel. Some water.
- 157 - 163 Brown clay.
- 163 - 188 Fine to coarse sand and gravel. Water.
- 188 - 192 Clay.

Owner Blanche V. &/or William J. Wheeler Address Missoula, Montana
Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 7/19/65 Date completed 9/8/65

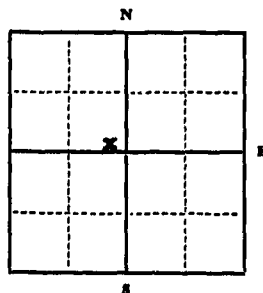
Type of well Drilled Equipment used Cable Tools
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, 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)
125 - 134 Brown clay.	14"	14" OD x 68 lb.	0	192	Mills Knife	81	109
134 - 157 Fine to coarse gravel. Some water.						163	188

Water rises in the well 66 feet from surface.



Static Water Level for non-flowing well 66 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 75% feet at 1000 gal. per minute.

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

How Tested Pump test

Length of Test Nine hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through perforations in casing.

SE 1/4 NW Sec. 6 T. 13N. 19W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

52

Driller's License Number

William F. Osborne
Driller's Signature.

44) 526

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.

Show exact depth of bottom.
Bottom of hole 192'

(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).

Sixty Acres

1812 2740 29

I received and filed this instrument for record on the 22nd day of Aug. 1968 at 1:25 o'clock P. M., permanent office of Missoula County, State of Montana
Witness my hand:
Verance R. Crouse, County Recorder
By *M. M. Crouse*, Deputy
Fee \$2.00 Paid *ca.*

MISSOULA COUNTY CLERK
RECEIVED
AUG 22 1968
MISSOULA, MONTANA

File out in order

MISSOULA COUNTY CLERK
RECEIVED
AUG 22 1968
MISSOULA, MONTANA

File No.

T 13 N R 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

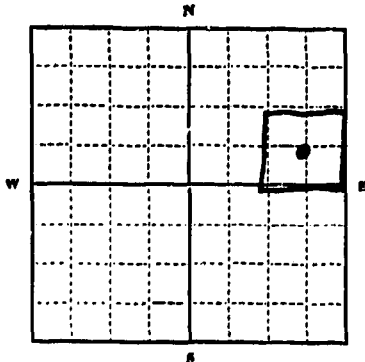
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1962) STATE ENGINEER

I, Bud John Truitt and Carl Stop Inc., of Box 1431, 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. 7 T 13 N R 19 W
Location of appropriation
and place of use, if possible. Each
small square represents 10 acres.

- 2. The beneficial use on which the claim is based.....
Business Building
- 3. Date or approximate date of earliest beneficial use; and how contin-
uous the use has been..... 1957 and continued use since
- 4. The amount of groundwater claimed (in miner's inches or gallons
per minute)..... Unknown
- 5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
None
- 6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal.....
Electric Pump 1 1/2 H.P.

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

8. The depth of water table..... None 60 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater..... 62 ft. 6 in. casing

10. The estimated amount of groundwater withdrawn each year..... Unknown

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

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

Bud John Truitt and Carl Stop Inc.
Signature of Owner.....
Date 12-24-63

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.

15193

591

214895

Copy

I received and filed this instrument for
record on the 7th day of April, 1963
at 11:26 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEVIER, County Recorder
By Martin S. Bevier Deputy
Fee \$ 1.00 Paid

File No.

T. 13N R. 19W

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

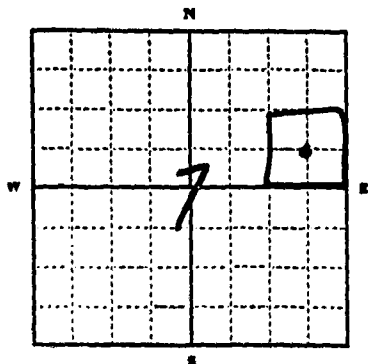
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Red Lake Truck and Car Shop Inc. of Box 1471 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. 7 T. 13N R. 19W

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.....

Food for business building

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

1953 and has had continued use since.

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

Unknown

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

None

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

Electric pump 5 1/2 ft.

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

1952

8. The depth of water table.....

6.0 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.....

57 ft with 6 in. casing

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

unknown

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.....

Burdette H. Steyer

Date.....

12-24-63

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.

15195

893

214892

Copy

I received and filed this instrument as
 record on the 26 day of Dec 1913
 at 1:30 o'clock P.M. permanent files
 of Missoula County, State of Montana
 Witness my hand.
 MARTIN S. REFINER, County Recorder
 By *Martin S. Refiner*
 Fee \$7.00

NOV 21 1913

and the original copies of the same shall be retained by the recorder

File No. _____ MONTANA WATER RESOURCES BOARD

T. 13NR 1947

DUPLICATE

RECEIVED

County Missoula

LOG JUL 10 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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

(Under Chapter 237, Montana Session Laws, 1961)

0 - 3 1/2 top soil

Owner Jacques Donalson Address Missoula, Montana

3 1/2 - 50 sand gravel
some cobble stone

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

Date of Notice of appropriation of groundwater _____

Date well started 5/22/69 Date completed 5/20/69

50 - 42 sand & water

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

42 - 49 red clay
no water

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

49 - 57 sand & water

Size of Drilled Hole	Size and Weight of Co. Log	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8 inch	3 1/2" O. D. 15 lbs per ft.	0	71	None		

57 - 65 sand small gravel
& water

65 - 71 gravel & water

Static Water Level for non-flowing well 57 ft. of top foot.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 50 ft. of top foot
at 45 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested compressor

Length of Test 4 1/2 hrs.

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

S. E. 1/4 Sec. 7, T. 23 N. R. 11 W.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

.....(Continue on reverse side)

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

Show exact depth of bottom.

71 ft from top of ground

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

Harold K. Pickens
Driller's Signature

45421

1911

282775

I received and filed this instrument for record on the 7th day of July, 1911, at 11:00 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
 Veramo R. Crouse, County Recorder
 By M. M. M. M., Deputy
 Fee \$2.00 Paid at

RECEIVED
 MISSOULA WATER RECORDS BOARD

JUL 10 1911

JUL 10 1911

JUL 10 1911

Deposited to pay for one of the books of the
 of _____ \$2.00 per minute
 printed with license of the
 State of Montana for the year 1911
 \$2.00 of fee
 State of Montana

Sec 7 T. 13 R. 19W
County MISSOULA

RECEIVED
AUG 19 1963

DUPLICATE

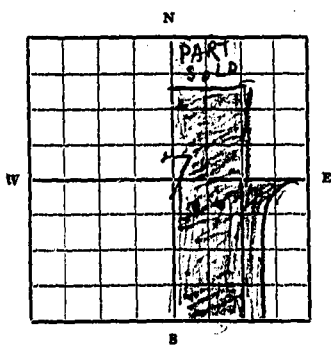
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

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

1. Albert J. or Rosemary D'Orangi, of MISSOULA MONTANA
(Name of Appropriator) (Address) (Town)

County of MISSOULA State of _____
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.

- The beneficial use on which the claim is based Household Domestic use IRRIGATION MANUFACTURING IN-ON UPON AND ABOUT THE FARM
- Date or approximate date of earliest beneficial use; and how continuous the use has been Since January 15 1872 James H. Hart C.P. Higgins Jan 15 1872
- The amount of groundwater claimed (in miner's inches or gallons per minute) 3000 gallons per hour or 72,000 gallons per 24 hours day continuous running
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 4 acres irrigated farm land by Albert J. D'Orangi
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Near my home two large electric pumps.
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater one well was completed since 1872 from 2nd well was completed about 7 years ago
- The depth of water table is 20' from the surface or approx 50' of static or standing water.
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater one well is 6' casing approx 70' deep original well was hand dug & lined with brick
- The estimated amount of groundwater withdrawn each year approx 72 thousand gallons per operating day.
- The log of formations encountered in the drilling of each well if available Layers of clay & gravel all way down to about 60' then coarse gravel
- 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 See Book 1 of Deeds Page 364 Containing 49.4 acres less 7 acres sold to Clement M. D'Orangi

Signature of Owner Albert J. D'Orangi
Date Aug 15 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.

#246

Copy 209666

I received and filed this instrument for
 record on the 1st day of Aug 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 Dean Deputy
 Fee \$ 0.00 Paid

Official Notice for the registration of trademarks.
 Notice is hereby given that the following trademarks
 have been registered in the office of the
 Commissioner of Patents and Trademarks, U.S. Department of
 Commerce, Washington, D.C. on the 1st day of August, 1963.
 The trademarks are: 1. A trademark consisting of the
 words "MARTIN BEHNER" in a stylized font.
2. A trademark consisting of the words "MARTIN BEHNER"
 in a stylized font.
 The registration number for each trademark is 1,234,567
 and 1,234,568 respectively.

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—50551

File No. _____

T. 13 R. 19

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

AUG 4 1969

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 Jack Patrick Dougherty Address Route 2 #

Driller Same Address Same

Date of Notice of appropriation of groundwater July 31, 1969

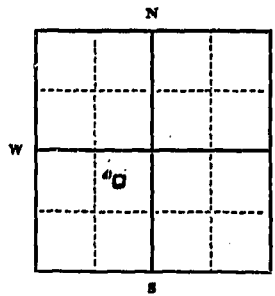
Date well started June 26, 1969 Date completed July 4, 1969

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6"	1"	62'	Topsoil 1'	7'	7'
				SAND 9'	14'	14'
				GRAVEL 15'	62'	62'



Static Water Level for non-flowing well _____feet.

Shut-in Pressure for Flowing Well _____feet.

Pumping Water Level 55 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well 8 gal.

How Tested _____

Length of Test _____

Remarks: (Gravel packing, cementing, packers, type of shutoff) The water is crystal clear and plenty of it.

SW 1/4 of Sec. 7, T. 13 R. 19 W. Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

None

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

Jack Patrick Dougherty
Driller's Signature.
45496

1923 283493

received and filed this instrument for record on the 31st day of July, 1923, at 11:00 o'clock P.M., in the files of Missoula County, State of Montana
Witness my hand:
Veranus R. Crouse, County Recorder
By *M. A. [Signature]*, Deputy
Fee \$2.00 *[Signature]*

	5

This is to certify that the above is a true and correct copy of the original as the same appears in the files of the County Recorder of Missoula County, Montana.
 Attest:
 Veranus R. Crouse, County Recorder
 M. A. [Signature], Deputy

RECEIVED

File No. _____

MAR 13 1977

T. 13 R. 19 7

DUPLICATE

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Missoula

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 3100)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0-10 Topsoil, silty sand, and clay

Owner El-Mar Trailer Village address Route 2, Missoula

10-30 Gravel and clay

Driller C.A.K.C. Drilling address Box 670, Missoula

27 Static water level

Date of Notice of appropriation of groundwater

30-38 Sand, gravel, and water

Date well started May 11, 1969 Date completed June 16, 1969

Type of well Cased Equipment used Churn drill

38-54 Sandy clay

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

54-58 Sand, gravel and water

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

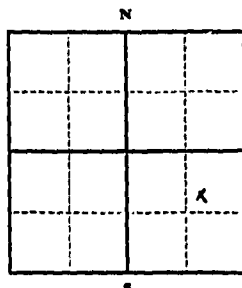
58-61 Sand and water

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

61-69 Sand, gravel and water

69 Bottom of well

Doc. No. #224/313653 Filed for record this 8th day of March A. D. 19 77 at 9:16 o'clock P.M.



Static Water Level for non-flowing well 27 feet. Shut-in Pressure for Flowing Well Pumping Water Level 35 feet at 75 gal. per minute. Discharge in gal. per min. of flowing well

How Tested Compressor Length of Test 3 1/2 hours

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

1/4 Sec. 7 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.

185 Driller's License Number

Charles F. Hollenstien Driller's Signature

50,025

42241

313653

I received and filed this record on the 9th day of March 1914 at 9:14 A.M. in the
 of the Municipal Court, State of Wisconsin
 Verdone B. Orange County, Wisconsin
 by Marie Quisenberry Deputy
 Fee \$ 2.00 Cash Paid

FILED
 HIGH COURT
 DISTRICT

Notarized in my presence on the 9th day of March 1914
 at 9:14 A.M. in the
 of the Municipal Court, State of Wisconsin
 by Marie Quisenberry Deputy
 Fee \$ 2.00 Cash Paid

GW 2

RECEIVED

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

File No.

MAR 13 1972

T. 13 R. 12

DUPLICATE

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County MISSOULA

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Top of Ground (Elev. above sea level 3100.7)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Blair Trailer Village

Owner Blair Frame Address Missoula, Mont

Driller Glenn Camp 705 Alder Address Missoula, Mont

Date of Notice of Appropriation of Groundwater

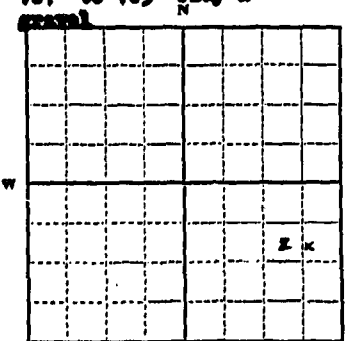
Date well started 7/13/62 Date Completed 7/21/62

Type of well Drilled Equipment Used Churn Drill (Churn, drill, rotary or other)

Water Use: Domestic [] Municipal [] Other [] Irrigation [] Industrial [] Drainage [] Stock [] Trailer Court

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

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Foot), To (Foot), PERFORATIONS (Kind Size, From (Foot), To (Foot)). Rows include 144' to 149' Clay, 149' to 151' gravel & water, 151' to 159' Clay & gravel, 159' to 161' Sand, gravel & water, 161' to 163' Clay & gravel.



Static Water Level for non-flowing Well 36 From G.L. feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 41 feet at 40 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailor & Comp. Length of Test 3 hours

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

acres irrigated, if used for irrigation)

Pulled pipe back to 149'-10" compressed

test was approx 150 G.P.M.

Show exact depth of bottom. Doc. No. #2242, 313654 Filed for record this 8th day of March A. D. 1972, at 9:18 o'clock A.M.

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.

50,024

#2242

313654

I received and filed this instrument for
record on the 8 day March 1912
at 9:11 o'clock a.m. in the
of Missouri County State of Missouri
Witness my hand
Vernon R. ... County Recorder
By Marie ... Deputy
Fee 1.25 Paid

T. 13 R. 14 S. 7
County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

		X

Owner E. L. Mc Trailer Co. Address Missoula

Driller John Farrell Address Ashe

Date Started 8-6-1959 Date Completed 8-11-1959

Location: Sec. 7 T. 13 R. 14 1/4 sec. 5E

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

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

Casing: 0 ft. to 57 ft. Type Steel Size 6"

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

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

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

Type of screen or perforations _____

Static Water level, for non-flowing well: 35 feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: 8-11-1959 (date)

Pumping water level: 35 feet at 50 gal. per min.

How tested: Boiler

Length of test: 1 hr.

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

(over)

File No. _____

MAY 10 1967

T. 13 R. 19

DUPLICATE

B.M. _____ McDermott
 Butcher _____ McNulty
 Coyle _____ Marson
 Dahlstrom _____ Sullivan
 Dicker _____

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



Top of Ground
 (Elev. above sea level _____)

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

El-Ner Traylor Court

0 to 1' Top soil

1' to 10' Pea gravel & Sand

10' to 18' Sandy clay

18' to 28' Clay & gravel

28' to 44' Silty sand & a little water

44' to 56' Clay & gravel

56' to 59' Silty sand & water

59' to 72' Clay & gravel

72' to 76'-2" Clay, gravel & water

Owner Elmer Frame Address Missoula, Mont

Driller Glenn Camp 705 Alder Address Missoula, Mont

Date of Notice of Appropriation of Groundwater _____

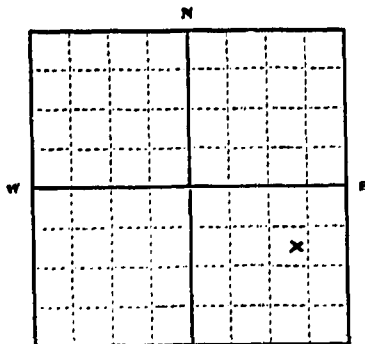
Date well started 7/18/65 Date Completed 7/21/65

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

Water Use: Domestic Municipal Other Irrigation
 Industrial Drainage Stock **Trailer Court**

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)
6"	6" I.D. 18,97# to feet	1'-6" ABOVE	U.L. to 76'-2"	None		



S6. 1/4 Sec. 7 T. 13. R. 19.
 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 25' feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 65 feet at 125 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Compressor Length of Test 6 hours

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

License # 7

Driller's License Number

Glenn Camp
 Driller's Signature

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.

41,977 #577

1701

260398

I received and filed this Instrument for
 record on the 5 day of May, 1967,
 at 1:16 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Verance R. Crouse, County Recorder
 By M. M. Conroy, Deputy
 Fee \$2.00 Paid cash

Department of Public Safety
 Building 700 West
 Helena, Montana 59601
 Phone 444-3333
 Fax 444-3333

File No. _____

T. 13N R. 19W

DUPLICATE

County MSA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

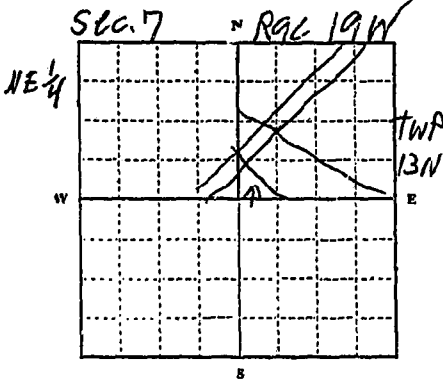
RECEIVED
JAN 3 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Tom Gerrity, of KINGS INN RT 2 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... BUSINESS - RESIDENTIAL - IRRIGATION

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1938 - STEADY

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 10 MINER'S INCHES (APPROX)

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... 8 ACRES NE 1/4 OF SEC 7 TWP 13N R. 19W

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

1/4 Sec. T. R.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... 1938

8. The depth of water table... 45'

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" x 60'

10. The estimated amount of groundwater withdrawn each year... 4 ACRE FEET

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

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

Signature of Owner... Tom Gerrity
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.

1316

I received and filed this Copy 1963
 record on the 31 day of Dec, permanent files
 at Missoula County, State of Montana
 Witness my hand:
 By [Signature] Deputy
Field

1963

1963

1963

1963

1963

1963

1963

1963

1963

1963

1963

File No.

STATE WATER CONSERVATION BOARD

T 13 R 19 7

DUPLICATE

DEC 7 1966

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



Top of Ground
(Elev. above sea level: _____)
Top Soil
Gravel & Clay
Heaving Sand & Water
Gravel & Water

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Thomas Gerrity Address RT 2 West Beet Road Sugar

Driller John Farrell Address Arlee Mont

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

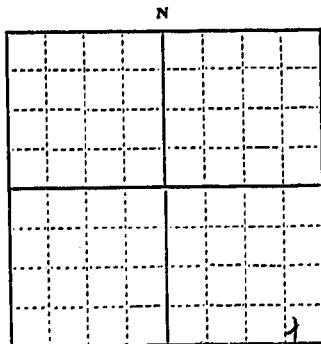
Date well started May 20 1966 Date Completed May 25 1966

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	(5") 1 1/2"	0	101'			



Static Water Level for non-flowing Well..... 26 feet.

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

Pumping Water Level..... 60 feet at 20 gal. per minute.

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

How Tested..... Bailey 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).....

SE 1/4 Sec. 5 T. 13 R. 19
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

101' Show exact depth of bottom.

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.

41,406

1667

256086

I received and filed this Instrument for
 record on the 5 day of Dec 1966
 at 4 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Verance R. Crouse, County Recorder
 By M. M. Conroy Deputy
 Fee \$2.00

RECORDED
 INDEXED
 MISSOULA COUNTY, MONTANA
 DEPT. OF CLERK & REC'D
 1966 DEC 5 10 40 AM

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

Declaration of Vested Groundwater Rights

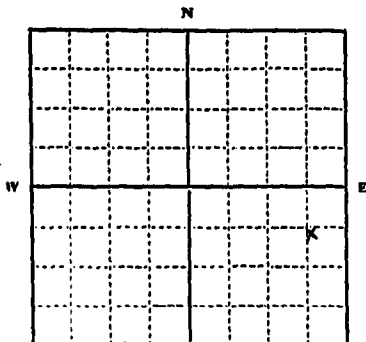
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. MATTIE M. KINNEY, of R. R. 2 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:



FFE
SE 1/4 Sec. 7 T. 13 N. 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 IRRIGATION
LIVESTOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1946 - CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 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
27 ACRES, F. E. SEYK, SECTION 7,
T. 13 N, R. 19 W - PLAT 541
MATTIE M. KINNEY

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1946

8. The depth of water table 24 FEET

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 30" CASING

10. The estimated amount of groundwater withdrawn each year NOT KNOWN

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record PLAT 541

Signature of Owner Mattie M Kinney

Date 12-27-63

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.

616

214969

Copy
I received and filed this instrument for
record on the *27* day of *Dec*, 19*62*
at *9:25* 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 *5.25* Paid

File No.

T. 13N R. 19W

DUPLICATE

County Missoula

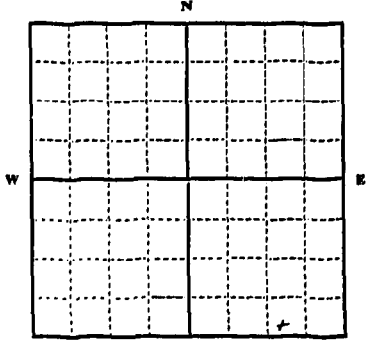
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

MAR 11 1971

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

- I, Frank Koble of 3001 Tina 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.
- The beneficial use to which water is to be applied is Domestic
(describe lands to be benefited, if for irrigation)
- The rate of use in gallons per minute or miner's inches of groundwater claimed.....
- The annual period (inclusive dates) of intended use 12 months
- The probable or intended date of first beneficial use 1972
- The probable or intended date of commencement and completion of the well* or wells* 1972
- The location, type, size and depth of well or wells contemplated 70' to 90'
6" casing
- The probable or estimated depth of the water table or artesian aquifer 30'
- Name, address and license number of the driller engaged.....

- Give such other similar information as may be useful in carrying out the policy of this act.....
Charlie's Addition No. 1
Block 2 Lot 1
420' W 8' N From S.E. corner
Lot 1 Block 2



Doc. No. 300154
Filed for record
this 9 day of March
A. D. 19 71, at 8:00
o'clock A.M.

SE $\frac{1}{4}$ Sec. 7 T 13N R. 19W
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator.....
Date.....

* 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.

2095

300154

I received and filed this instrument for
record on the 9th day of March 1971
at 5.00 o'clock P.M. instrument # 154
of Missouri County, State of Missouri
Witness my hand
Vernon R. Groves County Recorder
By *Wm. M. [Signature]* Deputy
Fee \$2.00 paid *[Signature]*

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

- Top of Ground
 (Elev. above sea level)
- 0-8 Pit
 - 8-20 Sand and gravel
 - 20-25 Sand
 - 25-35 Clay
 - 35-40 Clay and gravel
 - 40-50 Sand and clay
 - 50-55 Water, sand and gravel
 - 55-65 Clay and gravel
 - 65-71 Water, sand and gravel

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Audrey and Frank Koble Address 5411 1/2 St. Mar
 Driller Glenn Camp Address 1522 S. 14th

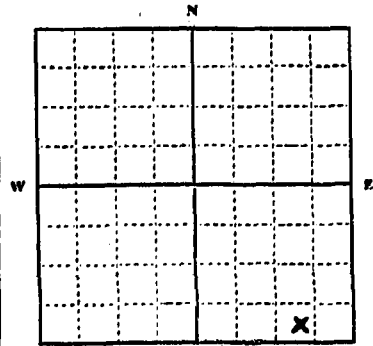
Date of Notice of Appropriation of Groundwater
 Date well started August 20, 1966 Date Completed Aug. 22, 1966

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

Water Use: Domestic Municipal Other Irrigation
 Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" I.D. 17 lb	5' below G. L.	71'			None



SE 1/4 SE Sec. 7, T. 13 N. R. 19
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 28' from top of pipe
 Shut-in Pressure for Flowing Well
 Pumping Water Level 28 feet at 20 gal. per minute.
 Discharge in gal. per min. of flowing well
 How Tested compressor Length of Test 4 hours
 (30 GPM)
 Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

Show exact depth of bottom.
 Legal description of land:
Lot 1, Block 2, Charlie's Addition #1

License # 7
 Driller's License Number
Glenn Camp
 Driller's Signature Glenn Camp

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.
 Please answer all questions. If not applicable, so state, otherwise the form will be returned.
 Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

1648

253710

I received and filed this instrument for
record on the 11 day of Sept 1966
at 11:10 o'clock AM, permanent files
of Missoula County, State of Montana
Witness my hand:
Vernice R. Crause, County Recorder
By Glenn D. Dain, Deputy
Fee \$ 2.00 Paid cash

File No.

T 13N R 19W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

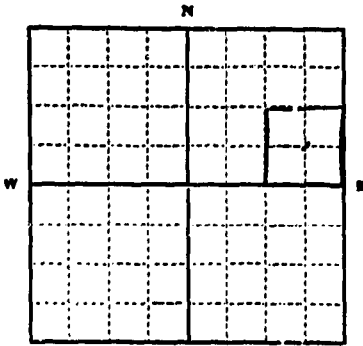
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Harold and Mary Lahn, of Box 1121 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 Section 19 T. 13N R. 19W

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 Used for business property

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Approximate date - 1950 and has had continued use since.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump, 2 1/2 h.p. motor.

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

8. The depth of water table 60 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 7 1/2" casing

10. The estimated amount of groundwater withdrawn each year Domestic use only

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

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

Signature of Owner Harold Lahn
Date 12-24-63

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.

15194

892

214896

Copy

I received and filed this instrument for
 record on the 11 day of Dec., 1963
 at 11:38 o'clock A.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEYER, County Recorder
 By Martin S. Beyer Deputy
 Fee \$ 2.00 Paid

MISSOURI
 DEPARTMENT OF REVENUE
 RECEIVED
 JAN 10 1964
 ST. LOUIS, MO.

MISSOURI
 DEPARTMENT OF REVENUE
 RECEIVED
 JAN 10 1964
 ST. LOUIS, MO.

File No. _____

T. 35 N. R. 19

TRIPPLICATE

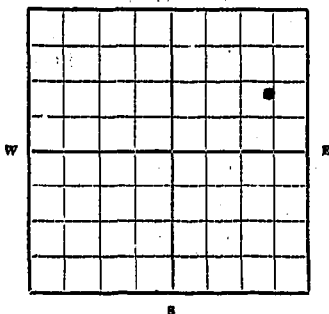
County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 19 1963
STATE ENGINEER

1. PATTERSON SHEEP CO. of ROUTE TWO(2) MISSOULA
(Name of Appropriator) (Address) (Town)

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



SE 1/4 NE 7 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(5 families), LAWN IRRIGATION, LIVESTOCK
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been APRIL 1947
Water used continually for domestic, lawn irrigation and livestock water since drilling was completed.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 60 gals/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 Lawn irrigation
R.S. Patterson O.2 acres Tract 1 NE 1/4 Section 7 T13N R19W
H.F. Patterson O.15 " Tract 2 NE 1/4 Section 7 T13N R19W
G.N. Patterson O.15 " Tract 3 " " " " " "
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal

ELECTRIC TURBINE PUMP

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Commenced App. April 1, 1947
Completed App. April 10, 1947
- 8. The depth of water table APP. 40 FEET
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 8 inch casing drilled well, app. 90 feet.
- 10. The estimated amount of groundwater withdrawn each year 5,000,000 gallons
- 11. The log of formations encountered in the drilling of each well if available
soft top soil, no logs available, but 5 ft. layer boulders, sand
and 16 ft. gravel clay in 8, but 3 ft. gravel, coarse sand
trace of clay water table in 1st 10 ft.
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

PATTERSON SHEEP CO. by

Signature of Owner [Signature]

Date April 11, 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.

#415

214389

copy

I received and filed this instrument for
record on the 17 day of Dec, 1963
at 10:23 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER County Recorder
By *Edell Lane* Deputy
Fee \$ 2.00 Paid

File No. _____

T. 13⁴ 19⁶²

DUPLICATE

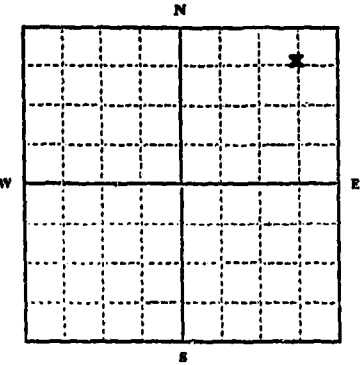
County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

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

1. John W. Schramm, of Grant Creek, Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 7 T. 13N R. 19W

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 packing & meat processing plant

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1890

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 380

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 2 wells - 6 inch casing each

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1890 for 1 and 1930 for 2nd well

8. The depth of water table 96 feet each

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 wells are in constant use

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

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

Signature of Owner John W. Schramm
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.

0181

215680

I received and filed this instrument for
recording on the 31 day of Dec 1965
at 6:24 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEYER, County Recorder
By Martin S. Beyer Deputy
Fee \$ 2.00 Paid

Broadway & Reserve Street Interchange

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

Owner State of Montana
Department of Highways
Address Helena, Montana

Date well started Nov. 30, 1971
completed Dec. 13, 1971

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). 2 acres

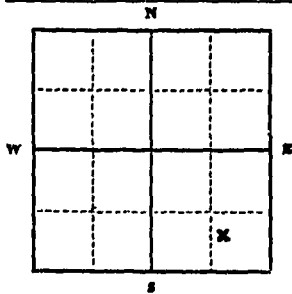
For Administrator's Use

File # 2231, 312429
Feb. 4, 1972 8:04 a.m.

GW 1

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	19.00# per ft.	0.0'	69.0'	NONE		



Static water level 48.8 ft.
Pumping water level 48.8 ft.*
at 25 gallons per minute,
measured 60 minutes after pumping
began.
*Measured from ground level.
Well developed by pumping
for 12 hours.
Power Bohris Pump _____ HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) _____

NE 1/4 Sec. 7
T. 19 N. R. 19 W.

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

Driller's Signature Kenneth R. Healy
Driller's Address Cone Drill Section, Shop Rd., Helena, Mont.

LICENSE NO. 208

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) 3177.18'

From (Feet)	To (Feet)	Description
0.0	6.0	Medium dense brown silty loam.
6.0	9.0	Dense brown sandy gravel.
9.0	18.0	Medium dense brown silty clayey gravel.
18.0	52.0	Vary dense brown sandy silty gravel.
52.0	59.0	Dense multi color sandy river gravel with water.
59.0	67.0	Vary dense brown sandy silty gravel.
67.0	69.0	Dense brown sand with water.

pH = 7.1
CO₂ = 11.1 p.p.m.
Methyl Orange
Alkalinity = 80 P.P.M. CaCO₃
Conductivity = 18 M. mhos
Total Hardness = 52 P.P.M. CaCO₃
Total Solids = 108 p.p.m.
Water is not incrusting on equipment to metal.

69.0' Show exact depth of bottom

49,842

2231

312429

I received and filed this instrument for
 record on the 4 day of Jan, 1929
 at 8:04 o'clock A.M. permanent files
 of Missoula County State of Montana
 Without my name
 Vermon A. Crege, County Recorder
 By Marie Mitchell, Deputy
 For 3.00 Paid

RECORDED TO INSTRUMENT

3 1929

DEC 29 1929 10:01 AM

MISSOULA COUNTY RECORDS

RECEIVED
NOV 7 1957

T. _____ R. _____ 7
County _____ Missoula _____

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Union Construction Co. Address: Missoula, Mont.
Driller: William Osborne
Liberty Drilling & Pump Co. Address: Missoula, Mont.
Date Started: Sept. 4, 1957 Date Completed: Sept. 9, 1957
Location: Sec. 7 T. 13 N. R. 19 W. 1/4 sec. 1 NE 1/4

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

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

Casing: 6" top ft. to bottom ft. Type: 19.18" Size: 6" (Six Inch)

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

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

Perforated or Screened: Ft. 91' to ft. 99' Ft. _____ to ft. _____

Type of screen or perforations: Wells Knife

Static Water level, for non-flowing well: 45' 6" feet.

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

Pumping water level: 55' 0" feet at _____ gal. per min. 30 Gpm.

How tested: Baller & tarp pumping.

Length of test: 4 hours.

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

None.

(over)

File No. _____

T. 13 R. 19

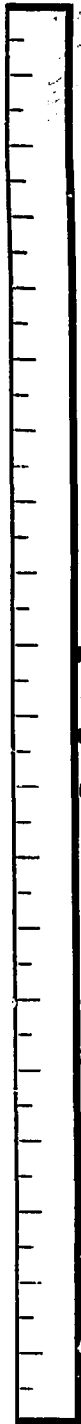
DUPLICATE

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
Jan 21 1963
STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)



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

0-8 PIT

8-36 SAND, GRAVEL AND COBBLESTONES - SOME DIET MIXED IN
Owner AMERICAN CRYSTAL SUGAR CO. Address MISSOULA, MONTANA

36-39 GRAVEL MIXED IN TAN CLAY
Driller LIBERTY DRILLING Co. Address MISSOULA, MONTANA

39-64 SAND + GRAVEL
Date of Notice of Appropriation of Groundwater April 5, 1962

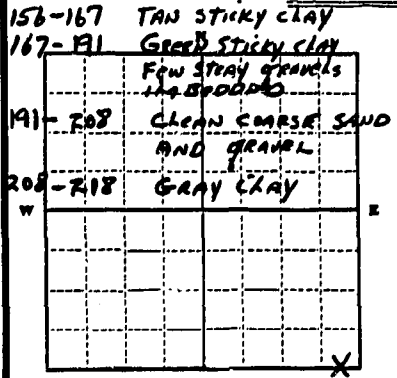
64-76 FINE & COARSE SAND - FEW SCATTERED GRAVELS IN TAN SILT
Date well started JULY 20, 1962 Date Completed SEPT. 26, 1962

76-79 GRAVEL IMBEDDED IN TAN SILT.
Type of well DRILLED (dug, driven, bored or drilled)
Equipment Used CABLE TOOLS (Churn, drill, rotary or other)

79-83 COARSE GRAVEL AND COBBLESTONES MIXED IN FINE SAND
Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

83-88 FINE & COARSE SAND
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.

Depth (Feet)	Description	Size and Weight of Coding	From (Feet)	To (Feet)	PERFORATIONS		
					Kind Size	From (Feet)	To (Feet)
88-107	SAND + GRAVEL IMBEDDED IN TAN SILT						
107-115	CLEAN COARSE SAND & GRAVEL						
115-121	SAND + GRAVEL MIXED IN TAN SILT	16" OR 3/8" WALL	8'	213'	3/8" x 3"	107	115
121-147	CLEAN COARSE SAND AND GRAVEL	62.58 # PER FT				121	147
147-156	SAND & GRAVEL IMBEDDED IN TAN SILT					192	208



Static Water Level for non-flowing Well 29 1/2 Feet SURFACE feet.

Shut-in Pressure for Flowing Well NOT APPLICABLE

Pumping Water Level 36 feet at 412.0 gal. per minute.

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

How Tested TURBINE PUMP Length of Test 6 DAYS

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) IN CASE OF EMERGENCY, FIRE PROTECTION, IN CASE OF FREEZE UP, FOR THE MANUFACTURING OF BEET SUGAR. FOR IRRIGATION.

SE 1/4 Sec. 8, T. 13, R. 19.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.
HOLE DRILLED TO 218'
HOLE CASED TO 213'

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

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

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

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