

688 215085

I received and filed this instrument for
record on the 20th day of Dec 1967
at 9:15 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
M. S. BEHRENS, County Recorder
By *Walt J. Bell* Deputy
Fee \$ *7.50* Paid

Mr. O. W. Potter, Greenough, Montana

May 15, 1964

12/30/63

215086 & 215085

from Clearwater River and Fish Creek

File No.

T. 13 N. R. 23 W

DUPLICATE

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

RECEIVED

JAN 6 1972

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

Date of Appropriation of Groundwater 10/12/71

Owner Edward R. Gallagher Address D. Box 762 Missoula
Contractor (if any) SHARON E. GALLAGHER None

Address of Contractor

Date Started 10/12/71 Date Completed 10/12/71

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

By utilizing the natural flow of a spring rising on the west half (W 1/2) of the east half (E 1/2) of lot Bluff (1) Section One (1) Township 13 North, Range 23 N. P.M.

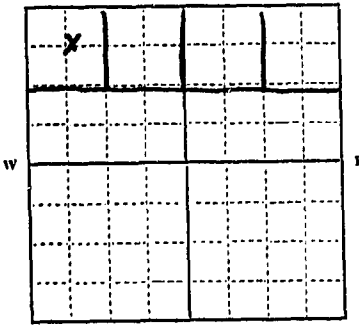
Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. Method

used to estimate amount of water was installation of a pipe six inches in diameter which flowed full giving 24 gal per minute. Period of use is constant.

Signature of Owner Edward R. Gallagher Sharon E. Gallagher

Date Jan 2, 1972



N.W. 1/4 NW 1/4 Sec. 1 T. 13 N. R. 23 W

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

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.

Doc. No. 711303 - #2219
Filed for record
this 3rd day of January
A. D. 1972 at 3:32
o'clock P. M.

2217

311303

I received and filed this instrument
 record on the 2nd day of Jan 1972
 at 2:30 o'clock P.M. in the
 of Missouri County State of Missouri
 Witness my hand
 Clarence A. Crouse, County Recorder
 By *Clarence A. Crouse* Deputy
 Fee \$ 2.00 Cash Paid

C-10

Clarence A. Crouse
 County Recorder
 Missouri County
 State of Missouri

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

Owner Edward R. Gallagher
Address P. O. Box 762, Missoula, MT.
Location T.13N R. 23W Sec.1
Doc. No. 311303, #2217

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

Please indicate, on the attached form, the intended beneficial use on which you base your groundwater appropriation.

Thank you.

RECEIVED

FEB 15 1972

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

File No.

T. 13 N. R. 23 W.

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

RECEIVED

JAN 6 1972

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

Date of Appropriation of Groundwater 10/12/71

Owner Edward R. Gallagher Address P.O. Box 762 Missoula
Sharon E. Gallagher
Contractor (if any) None

Address of Contractor

Date Started 10/12/71 Date Completed 10/12/71

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. By utilizing the natural

flow of a spring rising on the west half (W 1/2) of the east half (E 1/2)

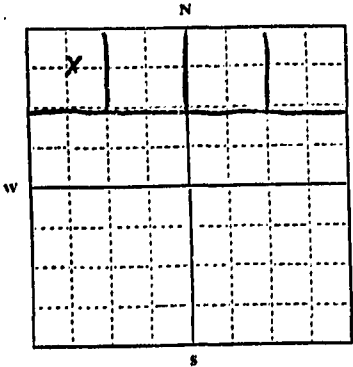
of lot 8 (4), Section One (1), Township 12 North, Range 23 N. P.M.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent 240 gal per minute used for household and
domestic use
estimate approximate lengths of periods of use. method

used to estimate amount of water was installation of a pipe six inches in diameter which flowed full, giving

240 gal per minute. Period of use is constant.

Signature of Owner Edward R. Gallagher
Sharon E. Gallagher
Date Jan 2, 1972



N.W. 1/4, N.W. 1/4 Sec. 1, T. 13 N. R. 23 W.
Indicate point of appropriation and place of use, if possible.

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.

Doc. No. 311303 - #2212
Filed for record
this 3rd day of January
A. D. 19 72 at 3:32
o'clock P.M.

RECEIVED

FEB 15 1972

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

File No. _____

MONTANA WATER RESOURCES BOARD

T13 N. R. 23W. *Algon.*

RECEIVED

DUPLICATE

County MISSOULA

LOG

JAN 22 1968

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level Approx. 3800')

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

- 0-6 Top soil & little gravel
- 6-37 Yellow Clay & gravel
- 37-38 Gravel, Water at 38'

(Under Chapter 237, Montana Session Laws, 1961)

Owner Richard Rada, Jr. Address Petty Creek

Driller Glenn Camp Address Missoula, Montana

Date of Notice of appropriation of groundwater _____

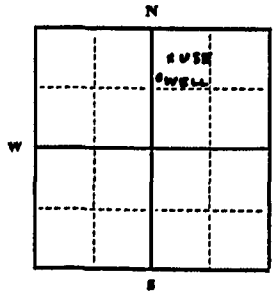
Date well started Jan 2, 1968 Date completed Jan 2, 1968

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-----------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 6" I.D. | 6" I.D. 19 lb per ft | 1'6" above G.L. | 39'6" | | None | |



Static Water Level for non-flowing well 23 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 36 feet

at 18 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Test Pump

Length of Test 1 1/2 hours

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

NW 1/4 Sec. 25 T. 13N R. 23W

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.

Use answer all questions. If not applicable, so state, otherwise the form will be void.

License 27
Driller's License Number

Glenn Camp
Driller's Signature. Glenn Camp

1772 267480

I received and filed this instrument for
record on the 15th day of June 1967
at 2:15 A.M. 5 clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand:
Verance H. Cruse, County Recorder
By W. J. Cruse Deputy
Fee \$2.00

RECORDED
INDEXED

MISSOULA COUNTY RECORDER
MISSOULA, MONTANA

File No.

T. 13N R. 21W

DUPLICATE

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

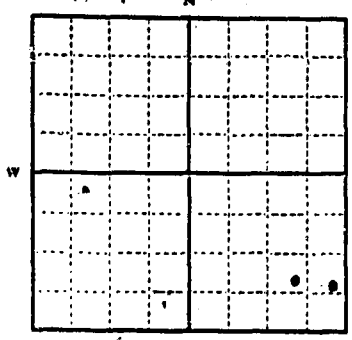
RECEIVED
DEC 20 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. WILLIAM DAVID MURRAY, JR., of Rt 1 GREAT MISSOULA
(Name of Appropriator) (Address) (Town)
County of MISSOULA State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 1 T. 13N R. 21W

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, STOCK WATERING & DOMESTIC USES
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been OCT. 1963 - new well CONTINUOUS Old well since before 1930
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 GALLONS PER MINUTE
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 7 ACRES - HAYFIELD & GARDEN WILLIAM DAVID MURRAY JR.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMPS

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. OCT 1963 5" well drilled before 1930 dug well
- 8. The depth of water table 80' (drilled) 15' (dug well)
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater ONE 5" P WELL 89 FT DEEP AND ONE DUG WELL 25 FT DEEP - OLD ONE DUG BEFORE 1930
- 10. The estimated amount of groundwater withdrawn each year 25,000,000 GAL
- 11. The log of formations encountered in the drilling of each well if available GRAVEL & SAND SOME LOOSE 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

On this 17 day of December 1963, before me William D. Murray personally appeared William D. Murray known to me to be the person whose name is subscribed to the within instrument and acknowledged to me Signature of Owner William D. Murray that he executed the same.

William D. Murray Date Dec. 16, 1963
Notary Public for State of Montana - RESIDING AT Helena, Mont

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

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

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

11963

439

214481

Copy

I received and filed this instrument for
 record on the 18 day of Dec 1963
 at 2:20 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By Ethel James Deputy
 Fee \$ 2.85 Paid

RECORDED
 1963 DEC 18

File No.
STATE WATER CONSERVATION BOARD
DUPLICATE

T. 13N R. 21W
County Missoula

JAN 1 1965
STATE OF MONTANA
Bille _____
Butzerin _____
Coyle _____
Darlington _____
Pickens _____
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

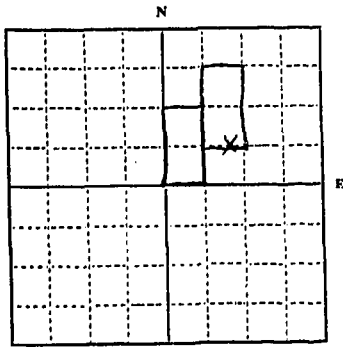
Date of Appropriation of Groundwater Dec. 31, 1965
Owner Alice E. Campbell Address 1618 Sherwood, Missoula

Contractor (if any)

Address of Contractor

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This water comes from a natural spring.



S W 1/4 of N.E. 1/4 Sec. 8, T. 13, R. 21.

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. This spring is as yet undeveloped but could be used for domestic purposes at all times of the year

Signature of Owner Alice E. Campbell

Date Dec. 31, 1965

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.

1559

245508

I received and filed this instrument for
record on the 31st day of Dec. 1966
at 2:20 o'clock P.M. permanent files
of Missouri County, State of Montana
Witness my hand:
James R. Crow County Recorder
By James R. Crow Deputy
Fee \$ 2.00 Paid cash

File No.....

T. 15^N R. 3^W

DUPLICATE WATER CONSERVATION BOARD

County Missoula

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
Sullivan

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

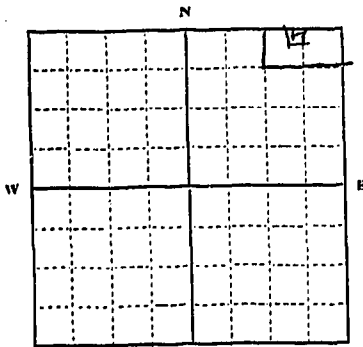
Date of Appropriation of Groundwater Dec 31, 1965

Owner Mary Anne Gifford Address Rte 4 Rattlesnake

Contractor (if any)

Address of Contractor

Date Started..... Date Completed.....



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This water comes from a natural spring. It could be used for domestic services at all times of the year.

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. This water could be used for domestic purpose at all time of the year.

ONE 1/4
S.W. 1/4 Sec. 8 T. 13 R. 21
Indicate point of appropriation and place of use, if possible.

Signature of Owner Mary Anne Gifford

Date Dec 31, 1965

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.

1562

245517

I received and filed this instrument for
record on the 31 day of Dec 1965
at 4:15 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
Verna R. Crouse, County Recorder
By *[Signature]*, Deputy
Fee \$ 2.00 Paid

JW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42262

9

File No.

T. 13N R. 21W

DUPLICATE

County MISSOULA

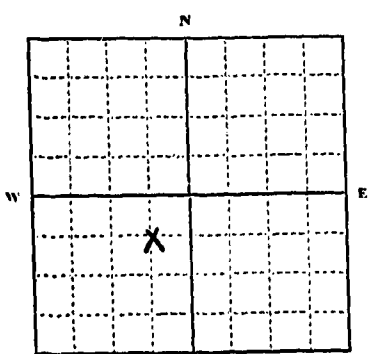
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE WATER CONSERVATION BOARD
RECEIVE
JUL 22 1965

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater JULY 20, 1965
Owner NORTHERN PACIFIC RAILWAY CO. Address 176 E. 5E ST. PAUL, MINNESOTA
Contractor (if any) NONE
Address of Contractor
Date Started..... Date Completed.....



NE 1/4 Sec. 9 T. 13N R. 21W

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. NATURAL FREE-FLOWING SPRING DUG OUT SLIGHTLY TO FACILITATE USE BY LIVESTOCK.

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. SPRING FLOW APPROXIMATELY 1 TO 2 GALLONS PER MINUTE BY ESTIMATE ONLY. USE IS BY LIVESTOCK REGULARLY THROUGHOUT GRAZING SEASON

Signature of Owner James W. Barnett
Superintendent, Grazing & Cattle
Date 7/20/65

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.

39317

1519

239275

I received and filed this Instrument for
record on the 20 day of July 1965.
at 8:45 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand:
Vernice E. Crouse, County Recorder
By *Doretha A. Ramsey*, Deputy
Fee \$ 2.00 Paid

GW:

File No. _____

DUPLICATE

T. 12 N R 21 W

County Minnehaha

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 12-30-63

Owner Ray a wood Address 3208 S 3rd

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed _____

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. appropriation

for future use for ponds + wells

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 _____

100 minutes ends for

irrigation + permanent use

Signature of Owner Ray a wood

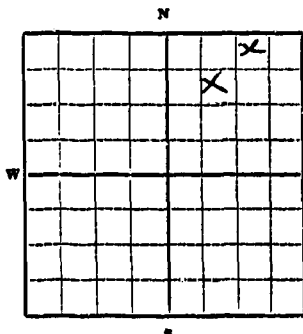
Tracy R. Wood
Date 12-30-63

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.



N 5 1/2 Sec. 11 T. 12 N. R. 21 W.

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

770 215178

I received and filed this instrument for
record on the 30th day of Dec 19 63
at 2:00 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand
MARTIN S. LEWIS, County Recorder
By Martin S. Lewis Deputy
Fee \$ 7.00 Paid

12

File No.

T. 13 N. R. 31 W.

DUPLICATE

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

Notice of Completion of Groundwater Appropriation Without Well ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater. MARCH 1, 1962

Owner. DUANE R. LANGE Address. RT. #2, MISSOULA, MONT.

Contractor (if any) NONE

Address of Contractor NOT APPLICABLE

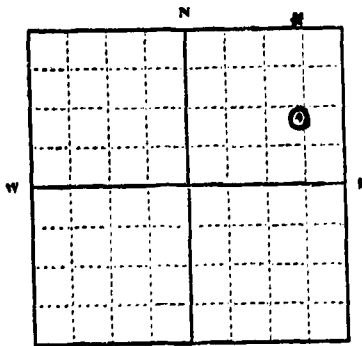
Date Started 3-1-62 Date Completed 8-1-63

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. CONCRETE WALL

AROUND SPRING; PIPE TO RESIDENCE; 800 GAL. STORAGE TANK EN ROUTE.

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 50-100 gal./hour BASED ON FILLING 52 GAL. WATER TANK.



NE 1/4 of Sec. 7, T. 13 N. R. 31 W.
Indicate point of appropriation and place of use, if possible.

* PLACE OF USE
⊙ APPROX. LOCATION OF SPRING

Signature of Owner. Duane R. Lange

Date. Dec. 26, 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.

I received and filed this instrument for
record on the 26 day of Dec. 1916
at 11:50 o'clock A.M., permanent files
of Missoula County, State of Montana
Witness my hand.
MARTIN E. BEHNER, County Recorder
By Martin E. Behner Deputy
Fee \$ 0.50 Paid

GW 2

File No. _____

DUPLICATE

MONTANA WATER RESOURCES BOARD

RECEIVED

JUL 31 1967

T. 13N. R. 21W. 12

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 3200')

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Herman Mohland Address RT. 1, Big Flat

Driller self Address Missoula, Mont.

Date of Notice of appropriation of groundwater July 24th, 1967

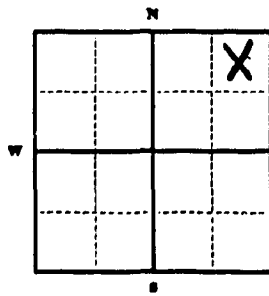
Date well started Sept. 15, 1964 Date completed Oct. 1, 1964

Type of well Driven Equipment used driver
(Dug, Driven, bored or drilled) (Chern drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|---------------|-----------|------------------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 4" | 4" I.D. | 2' above G.L. | 105' | 510's 3/16" X 1" | 101' | 105' |



Static Water Level for non-flowing well
low point is 15' from surface

Shut-in Pressure for Flowing Well

Purging Water Level at least 100 feet (all returns)

at _____ gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested _____

Length of Test _____

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

NE 1/4, NE 12 T. 13 N. R. 21 W.
Indicate location of well and place of use, if possible. Each small square represents 40 acres. NOT for maximum production; we have pumped in excess of 1200 gal. per hr using a single suction line with a foot valve.

(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, three 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

Herman Mohland
Driller's Signature

42, 179

727

262821

I received and filed this Instrument for record on the 27 day of July, 1967, at 4:50 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
 Verance R. Claus, County Recorder
 By *Dorothy O'Rourke*, Deputy
 Fee \$ *2.00* paid

RECEIVED
 MONTANA WATER RESOURCES BOARD

JUL 31 1967

[Faint, mostly illegible text, possibly a title block or description of the instrument]

SEARCHED INDEXED
 SERIALIZED FILED
 JUL 31 1967
 MISSOULA COUNTY CLERK

GROUNDWATER INDEX

Page 1 of 9

County MISSOULA Twp. 13 N Rge. 20 W

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|------|------------------------------|----------------|-----------------|---------|
| 3 | DESCHAMPS, G.W. | GW3 | 212832 | |
| 4 | DUSSAULT, ARTHUR | GW4 | | |
| 4 | DUSSAULT, EDWARD | GW4 | | |
| 5 | PRUYN, Dr. and SWARTZ, Dr. | GW2 | 256961 | |
| 5 | PRUYN, Dr. and SWARTZ, Dr. | GW2 | 256960 | |
| 5 | PRUYN, Dr. and SWARTZ, Dr. | GW2 | | |
| 6 | LAVOIE, GEORGE J. | GW4 | 215536 | |
| 6 | ROSE, LILLIAN J and WAYNE C. | GW3 | 257617 | |
| 6 | ROSE, LILLIAN and WAYNE | WATER WELL LOG | 177544 | |
| 6 | ROSE, LILLIAN and WAYNE | WATER WELL LOG | 177543 | |
| 6 | ROSE, LILLIAN and WAYNE | WATER WELL LOG | 177542 | |
| 6 | WETTERS, JOHN WILLIAM | GW4 | 214627 | |
| 7 | BARNES, GEORGE and DOLORES | GW2 | 334385 | |
| 7 | BARNES, GEORGE | GW2 | 334384 | |
| 7 | BARNES, GEORGE | GW2 | 334383 | |
| 7 | BARNES, GEORGE and DOLORES | GW2 | 334382 | |
| 7 | DOUGHERTY, JOHN and MARY | GW4 | 215501 | |
| 7 | HUNTER, LAVELL | GW2 | 252856 | |
| 7 | JOHNSON, JAMES R. | GW2 | 334448 | |
| 7 | KNUDSON, EDWARD C. | GW2 | 334244 | |
| 7 | MAST, ROBERT N. | GW4 | 214209 | |
| 7 | MAST, ROBERT N. | GW4 | 215132 | |
| 7 | MORRIS, DANIEL J. | GW2 | 334084 | |
| 7 | PROBST, J.H. | GW2 | 265518 | |
| 7 | PROBST, J.H. | GW2 | 265517 | |
| 7 | PROBST, J.H. | GW2 | 265516 | |
| 6-7 | RAMER, HARRY | WATER WELL LOG | 1164139 | |
| 7 | STEELE, R.W. | GW3 | 223425 | |
| 7 | STEELE, ROBERT W. | WATER WELL LOG | 1165359 | |
| 7 | STEELE, ROBERT WILBUR | GW4 | 215431 | |
| 7 | STEMPLE, GEORGE | GW2 | 333873 | |
| 7 | STEMPLE, GEORGE | GW2 | 333874 | |
| 7 | STEMPLE, GEORGE | GW2 | 333878 | |
| 7 | STEMPLE, GEORGE | GW2 | 333879 | |
| 7 | STEMPLE, GEORGE | GW2 | 333877 | |
| 7 | STEMPLE, GEORGE | GW2 | 333880 | |
| 7 | STEMPLE, GEORGE | GW2 | 333876 | |
| 7 | STEMPLE, GEORGE | GW2 | 333875 | |
| 7 | HAYES, KENNETH | WATER WELL LOG | 155375 | |
| 8 | DUSSAULT, GEORGE | GW4 | | |
| 8 | GOHL, ARNOLD | GW2 | 261578 | |

GROUNDWATER INDEX

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County MISSOULA Twp. 13 N Rge. 20 W

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|------|-------------------------------|----------------|-----------------|---------|
| 8 | LOWE, ED | GW2 | 283200 | |
| 8 | MILLER, MARGUERITE L. | GW4 | 215050 | |
| 8 | MILLER, MARGUERITE, L. | GW4 | 215053 | |
| 8 | MILLER, MARGUERITE L | GW4 | 215055 | |
| 8 | PAPRODNY, KARL + FA | GW2 | 281103 | |
| 8 | STACY, DEAN + JNEZ | GW2 | 291290 | |
| 9 | DUSSAULT, GEORGE | GW4 | | |
| 9 | MILLER, MARGUERITE L | GW4 | 215052 | |
| 9 | STIEGLER, HARRY | GW4 | 215190 | |
| 9 | STIEGLER, HARRY + MERCEDES | GW4 | 215439 | |
| 9 | STIEGLER, HARRY | GW3 | | |
| 9 | STIEGLER, HARRY + MERCEDES | GW4 | 215440 | |
| 10 | DESCHAMPS, ARTHUR | GW4 | 203615 | |
| 12 | FLYNN, G. ELMER | GW4 | | |
| 12 | VIOLETTE, ELDER | WATER WELL LOG | 188314 | |
| 12 | VIOLETTE, ELDER | WATER WELL LOG | 188313 | |
| 12 | VIOLETTE, ELDER | WATER WELL LOG | 188311 | |
| 12 | VIOLETTE, ELDER | GW3 | | |
| 13 | ENGBRITSON, CARL | GW2 | 276211 | |
| 13 | FLYNN, EMMETT | GW4 | 215309 | |
| 13 | HAMES, ANTOINE P | WATER WELL LOG | 187482 | |
| 13 | HOUSEMAN, ELLIS R. | GW2 | 245500 | |
| 13 | HUGHES, WILLIAM M. | GW4 | 216220 | |
| 13 | JOHNSON, ARMAND H. | GW2 | 283440 | |
| 13 | LOVINGER, HOWARD | WATER WELL LOG | 187483 | |
| 13 | MANGAN, PAT | GW2 | 309697 | |
| 13 | PEARSON, DON | GW2 | 334820 | |
| 13 | SCHOOL DIST #4, MISSOULA CNTY | GW1 | 334292 | |
| 13 | SPURLOCK, CHARLES + MARIET | GW4 | | |
| 13 | SPURLOCK, CHARLES | WATER WELL LOG | 179197 | |
| 13 | SPURLOCK, RALPH E. | WATER WELL LOG | 145821 | |
| 13 | SPURLOCK, RALPH E. | WATER WELL LOG | 180233 | |
| 13 | STAHL, CHARLES | GW4 | | |
| 13 | STAHL, W. EDWIN | GW2 | 255816 | |
| 13 | SUSOTT, PAUL R | GW2 | 252568 | |
| 13 | TWOGOOD, MARVIN | GW2 | 283297 | |
| 13 | WILLIAMS, WARREN | GW2 | 245606 | |
| 13 | WHALEY, HAROLD | GW2 | 276409 | |
| 13 | WHALEY, HAROLD | GW2 | 331703 | |
| 13 | WHALEY, HAROLD | GW2 | 331702 | |
| 14 | BAIR, RAYMOND E. | GW2 | 215551 | |

GROUNDWATER INDEX

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County MISSOULA Twp. 13 N Rge. 20 W

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|------|---|--------------|-----------------|---------|
| 14 | BRUNER, HARL | GW2 | 214055 | |
| 14 | DESCHAMPS, GASPARD W | GW2 | 212837 | |
| 14 | DESCHAMPS, GASPARD W | GW2 | 212836 | |
| 14 | DESCHAMPS, G.W. | GW2 | 290417 | |
| 14 | FIELD, JOSEPH | GW2 | 214741 | |
| 14 | FREY, FRITZ & CLIFFORD | GW3 | . | |
| 14 | FREY, CLIFFORD AND OPALMAE | GW4 | 215129 | |
| 14 | GREENFIELD, TOM & GERTRUDE | GW2 | 293076 | |
| 14 | GROSS, BERNARD | GW2 | 288066 | |
| 14 | HILLSTROM, RALPH | GW4 | 215134 | |
| 14 | JEWETT CONSTRUCTION | GW2 | 250209 | |
| 14 | TOVIN, ALBERT | GW2 | 317993 | |
| 14 | TOVIN, ALBERT A., JR | GW3 | 214525 | |
| 14 | TOVIN, ALBERT A., JR. | GW4 | 214526 | |
| 14 | KULAWINSKI, FLORENCE ^{Richard} | GW2 | 246537 | |
| 14 | RUDE, DONNY D. & BETTIE | GW2 | 311339 | |
| 14 | STAHL, W. EDWIN | GW4 | | |
| 15 | HELLAND, RICHARD | GW2 | 321874 | |
| 15 | FREY, CLIFFORD & OPALMAE | GW1 | 215128 | |
| 17 | STEMPLE, GEORGE | GW3 | 271515 | |
| 19 | KRECTZBERG, GEORGE | GW4 | 215471 | |
| 19 | LEWIS, GALE & HELEN | GW4 | 215078 | |
| 19 | ADUM, A.M. and PEARL | GW4 | 214997 | |
| 19 | SCOTT, DONALD | GW4 | 215427 | |
| 20 | PRICE, M.A. and MINNIE | GW4 | 215456 | |
| 20 | BALZHISER, H.E. | GW4 | 210132 | |
| 20 | JAHNER, MIKE | GW2 | 304338 | |
| 20 | REINFEHL, FRANK & MADELYNE | GW4 | | |
| 20 | REINAEHL, FRANK & MADELYNE | GW4 | | |
| 20 | SHARROLD, LEONARD | GW4 | 215340 | |
| 21 | BOONE, W.T. | GW4 | 214843 | |
| 22 | CARRS, GEORGE D. | GW4 | 215526 | |
| 23 | FELDMANN, HARRY | GW2 | 276401 | |
| 23 | FRASER, JOHN | GW2 | 262521 | |
| 23 | FREY, FRITZ & BERTINA | GW4 | 215130 | |
| 23 | LIND, VERON | GW2 | 290721 | |
| 23 | MCDONALD, GORDON and GRACE | GW4 | 213600 | |
| 23 | MONTANA CONTRACTORS CORP | GW2 | 272309 | |
| 23 | NICHOLS, JIM | GW2 | 271976 | |
| 23 | NEGRA, JAMES | GW2 | 279968 | |
| 23 | PALMER, HAROLD & GAIL | GW2 | | |

County MISSOULA Twp. 13 N Rge. 20 W

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|------|------------------------------|----------------|-----------------|---------|
| 23 | PRITZEL, JOHN | GW2 | 294625 | |
| 23 | SAMMONS, MYRON | GW2 | 286104 | |
| 23 | SAMMONS, MYRON | GW2 | 297022 | |
| 23 | SERNIS, MATT | GW2 | 328883 | |
| 23 | VOSS, BURDETTA | GW2 | 278537 | |
| 23 | WHEELER, CHARLEY | GW2 | 275418 | |
| 23 | WOOD, JOHN T. | GW2 | 326274 | |
| 24 | BEBEE, BETHUEL | GW4 | 214136 | |
| 24 | COBUS, GEORGE and OPAL | GW3 | 215000 | |
| 24 | CONNOR, BRUCE | GW2 | 326680 | |
| 24 | DAVIS, S.J. | GW4 | 214769 | |
| 24 | DAVIS, S.J. | GW1 | 214770 | |
| 24 | DAVIS, S.J. | GW2 | 312513 | |
| 24 | DUNWELL, JAMES + FUELYN | GW2 | 322052 | |
| 24 | GREGORY, LAWRENCE | GW2 | | |
| 24 | HOWARD, CHARLES | GW4 | 215322 | |
| 24 | JACOBSON, AUSTEN + FLOSSE | WATER WELL LOG | 185868 | |
| 24 | JONNS, WILLARD + LUELLA | GW4 | 215600 | |
| 24 | JONNS, WILLARD + LUELLA | GW3 | | |
| 24 | KUHL, EMMA | GW4 | 215371 | |
| 24 | KUHL, HARDER + EMMA | GW3 | 215372 | |
| 24 | KUHL, HARDER + EMMA | GW3 | 215373 | |
| 24 | LIVSEY, MINNEVA | GW4 | | |
| 24 | MCKENZIE, ROBERT + GERALDINE | GW4 | 215106 | |
| 24 | MITCHELL, ROBERT | GW4 | 318260 | |
| 24 | PARKER, LAURENCE | GW4 | 215077 | |
| 24 | PETERSON, LENNIE | GW4 | 214135 | |
| 24 | PLUMMER, J.L. and ALICE | GW2 | 208796 | |
| 24 | RANSTROM, ERICK G. | GW4 | 215358 | |
| 24 | REGAN, JAMES and ERMA | GW2 | 233445 | |
| 24 | SMITH, ERNEST and GRACE | GW4 | 214962 | |
| 24 | STICHT, RUTH KLASS | GW4 | | |
| 24 | TIETZ, OTTO | GW2 | 2149166 | |
| 24 | TIETZ, OTTO | GW2 | 214965 | |
| 24 | TIETZ, OTTO | GW2 | 196542 | |
| 24 | WOLFF, LENA and ERNEST | GW2 | 256736 | |
| 24 | WOOD, RAY + DOROTHY | GW4 | 215177 | |
| 25 | BAUMGARDNER, JACK | GW2 | 317451 | |
| 25 | BENNETT, THOMAS + RUTH | GW1 | 214743 | |
| 25 | BENNETT, THOMAS + RUTH | GW1 | 214744 | |
| 25 | BURKHARDT, ALBERT | GW2 | 296516 | |

County MISSOULA Twp. 13 N Rge. 20 W

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|------|------------------------------|--------------|-----------------|---------|
| 25 | BOXTON, G.H. and LOTS | GW4 | 245510 | |
| 25 | CHELCOFE, BYRON | GW4 | 215183 | |
| 25 | CLEMENS, JOHN R. | GW2 | 215504 | |
| 25 | CRIST, BILLY E. and WANDA F. | GW4 | 214836 | |
| 25 | DANIEL, JAMES | GW2 | 237328 | |
| 25 | DENISON, REX and ALICE | GW2 | 265353 | |
| 25 | DENISON, REX and ALICE | GW2 | 265352 | |
| 25 | FARNUM, FRED + VINCENT | GW2 | 250770 | |
| 25 | FIFIELD, DONALD + LILIAN | GW4 | | |
| 25 | FLINK, EDGAR + RITA | GW4 | | |
| 25 | FOX, IRVINE | GW4 | 215539 | |
| 25 | FRANCE, LINCOLN | GW4 | 215204 | |
| 25 | GETZ, HERMAN | GW4 | 215375 | |
| 25 | GOULD, ROBERT | GW2 | 333962 | |
| 25 | GREGORY, PERCY and ROSENE | GW4 | 245468 | |
| 25 | GUELFF, ALPHONSE + MARVILLE | GW4 | | |
| 25 | GUERRERA, MELVIN + MARGOT | GW2 | 321421 | |
| 25 | HAUSAUER, REUBEN + MARIA | GW2 | 283007 | |
| 25 | HEDAY, BOYD | GW2 | 322593 | |
| 25 | HENDRICKSON, RONALD | GW2 | 333822 | |
| 25 | HENDRICKSON, RONALD + BETTY | GW2 | 270326 | |
| 25 | HIGHTOWER, LESTER | GW2 | 232935 | |
| 25 | HIGHTOWER, WAYNE | GW2 | 212929 | |
| 25 | HELL, ROGER | GW2 | 323448 | |
| 25 | HODGE, WILLIAM | GW4 | 214874 | |
| 25 | HOLT, LAWRENCE | GW2 | 221574 | |
| 25 | HURT, RAY V. | GW2 | 295541 | |
| 25 | JAIKOLA, VERN | GW2 | 251969 | |
| 25 | JEPSON, HOWARD | GW2 | | |
| 25 | KICKER, HERBERT + GOLDIE | GW4 | | |
| 25 | KITNE, JESS | GW1 | 194905 | |
| 25 | LALONDE, GARL + GILIA | GW2 | 276464 | |
| 25 | LARSON, MELVIN | GW4 | | |
| 25 | LARSON, ELIANDER + MELVIN | GW2 | 281100 | |
| 25 | LAHMAN, JACK | GW2 | 297267 | |
| 25 | LLOYD, GEORGE + JEAN | GW4 | 214999 | |
| 25 | MAGSTADT, KENNETH + GLADYS | GW2 | 2160242 | |
| 25 | MALIK, MAX J. | GW2 | 246476 | |
| 25 | MANCHESTER, ROBERT W. | GW4 | | |
| 25 | MILLER, D.W. | GW2 | 326076 | |
| 25 | MONBER, W.P. | GW2 | 251322 | |

County MISSOULA Twp. 13 N Rge. 20 W

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|------|---|--------------------|-------------------------|---------|
| 25 | MT CONFERENCE ASSOC OF 7 th DAY NOV | GW2 | 272764 | |
| 25 | MOOD, SELMA | GW4 | 215428 | |
| 25 | NEWMAN, ZARRY | GW2 | 264013 | |
| 25 | NIMMEYER, C.B. | GW2 | 301431 | |
| 25 | ORCHARD HOMES COMM. PARK | GW2 | 299113 | |
| 25 | OSCARSON, OSCAR | GW4 | 214847 | |
| 25 | FELTZER, LARRY + MYRA | GW2 | 305563 | |
| 25 | PHILLIPS, GEORGE | WELL LOG | 163061 | |
| 25 | POULSON, WILLIAM | GW2 | 2164758 | |
| 25 | POWERS, V. R. | GW2 | 214077 | |
| 25 | PRICE, RUSSELL K | GW4 | 215213 | |
| 25 | PUYEAR, DANIEL L. | GW2 | 215034 | |
| 25 | RASMUSSEN, MELVIN | GW2 | 305971 | |
| 25 | REINHARD, JOHN | GW4 | 245462 | |
| 25 | RICHARDSON, K.W. | GW2 | 220608 | |
| 25 | RICHARDSON, ROBERT H. | GW2 | 2165757 | |
| 25 | RICHARDSON, R. H. | GW2 | 2165756 | |
| 25 | RILEY, J. ROBERT | GW4 | 334446 | |
| 25 | RILEY, J. ROBERT | GW4 | 215549 | |
| 25 | ROCHELLEAU, MAURICE | GW4 | | |
| 25 | RUANA, DENNIS | GW2 | 217771 | |
| 25 | SENTMAN, MARY A. | GW4 | 245509 | |
| 25 | SESTAK, JOEL | GW4 | 215214 | |
| 25 | SKOESTED, A.G. | GW2 | | |
| 25 | SMITH, H. JAMES | GW2 | 2171169 | |
| 25 | THOMPSON, VIRGINIA + SAM | GW2 | 235148 | |
| 25 | THRALL, DONALD A. | GW2 | 2162464 | |
| 25 | TIEZ, OTTO | GW2 | 302058 | |
| 25 | WIEGE, ARTHUR | GW2 | 242170 | |
| 25 | WILSON, RALPH | GW2 | 331754 | |
| 25 | WILSON, RALPH | GW2 | 331753 | |
| 25 | WOOD, M. DINNIE and DONNA J. | GW2 | 250330 | |
| 25 | BARRETT, JAMES F | GW4 | 215376 | |
| 26 | BIRK, CLIFFORD G. | GW4 | | |
| 26 | BOTLEAU, GEORGE | GW2 | 241705 | |
| 26 | ²⁰³ ^{Lambert} BONEFEOL, RALPH | ^{GW3} GW2 | ³⁰⁶⁰⁰ 332940 | |
| 26 | BREAZEL, JOHNNY + FLOUISE | GW4 | 215075 | |
| 26 | BREUER, E. H. | GW2 | 254057 | |
| 26 | BROGGER, JAMES + SHERLEY | GW2 | 290722 | |
| 26 | BROTZMAN, HENRY + CAROLINE | GW2 | 283201 | |
| 26 | BROWN, CLARENCE | GW4 | 215511 | |

County MTSSOULATwp. 13NRge. 20W

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|------|--------------------------------|----------------|-----------------|---------|
| 216 | CALLAGHAN, JAMES + NANCY | GW4 | 215548 | |
| 216 | CHAMBERLIN, JOHN A. | GW4 | 215356 | |
| 216 | CHAMBERLIN, JOHN A. | GW4 | 215357 | |
| 216 | CRUE, DELMAR C. | GW2 | 215082 | |
| 216 | DAVIS, WARREN B. | GW2 | 317355 | |
| 216 | DECHAMPS, ED | WATER WILL LOG | 185855 | |
| 216 | DECLERCO, MILDRED | GW2 | 305421 | |
| 216 | DIETZ, RUFEN H. (MRS) | GW2 | 215435 | |
| 216 | DOPP, GILBERT C. | GW2 | 217170 | |
| 216 | DUNN, C.W. | GW4 | 215564 | |
| 216 | FARNES, LARRY | GW2 | 327157 | |
| 216 | FELLER, ARTHUR + DOLORES | GW2 | 261533 | |
| 216 | GENN, CLARENCE | GW2 | 244476 | |
| 216 | GRIFFING, CHARLES + FRANK | GW4 | 214845 | |
| 216 | HAUSER, JOHN + KATHRYN | GW2 | 215540 | |
| 216 | HENDRICKSON, RONALD | GW4 | 214738 | |
| 216 | HINTZMAN, JAVIS E. | GW4 | 215398 | |
| 216 | HOSLER, HAROLD + VALE | GW4 | 215336 | |
| 216 | HUTTON, GORDON + ILO | GW2 | 247806 | |
| 216 | JEPSON, GEORGE | GW2 | 248295 | |
| 216 | JOHNSON, ERNEST | GW4 | 215324 | |
| 216 | KIRKPATRICK, THOMAS + JOAN | GW2 | 279249 | |
| 216 | KLAPWYK, ELMER | GW2 | 329314 | |
| 216 | MCKINSTRY, WINT, DR. | GW2 | 265288 | |
| 216 | MONACO, FRANCIS + ANN | GW2 | 215517 | |
| 216 | MUTCH, M.A. and M.A. | GW4 | 241136 | |
| 216 | NICHOLSON, ELDON | GW2 | 334293 | |
| 216 | PETREN, MATHEW + MARY | GW4 | 215140 | |
| 216 | PETROFF, TED | GW2 | 215111 | |
| 216 | PEAV, EDWARD R. | GW4 | | |
| 216 | PEAV, EDWARD R. | GW3 | | |
| 216 | PHILLIPS, DON | GW2 | 236679 | |
| 216 | POMATEVICH, JOHNS, JR. | GW4 | | |
| 216 | POMATEVICH, JOHN, SR. + GEORGE | GW2 | 255131 | |
| 216 | POMATEVICH, MATHEW | GW4 | | |
| 216 | PRITZL, ARTHUR + LORNA | GW4 | 215207 | |
| 216 | RICHARDSON, K.W. | GW2 | 329460 | |
| 216 | RICHARDSON, K.W. | GW2 | 297878 | |
| 216 | RICHARDSON, K.W. | GW2 | 297877 | |
| 216 | RICHARDSON, K.W. | GW2 | 304476 | |
| 216 | RICHARDSON, K.W. | GW2 | 304478 | |

County MISSOULA Twp. 13N Rge. 20W

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|------|-----------------------------|--------------|-----------------|---------|
| 26 | RICHARDSON, K.W. | GW2 | 304477 | |
| 26 | RICHARDSON, K.W. | GW2 | 293661 | |
| 26 | RICHARDSON, K.W. | GW2 | 293663 | |
| 26 | ROBISON, EDWARD + CAROL | GW2 | 282820 | |
| 26 | ROOT, Sue | GW2 | 301460 | |
| 26 | RUANA, DENNIS | GW2 | 293662 | |
| 26 | SAMSEL, WILLIAM K, JR. | GW2 | 214207 | |
| 26 | SIMMONS, ROBERT | GW2 | 247979 | |
| 26 | SIPES, SHARON JOYCE | GW2 | 303280 | |
| 26 | SORENSEN, KARL F. | GW4 | 215408 | |
| 26 | STEWART, BERNEICE P. | GW4 | 215453 | |
| 26 | STRAUD, DOUGLAS M. | GW2 | 329461 | |
| 26 | TESKEY, MABLE | GW2 | 325748 | |
| 26 | THOMPSON, ARLIN | WATER WELLS | | |
| 26 | THOMPSON, ARLIN CALVIN | GW4 | 216147 | |
| 26 | VANUGH, ROBERT + ELSIE | GW4 | 215514 | |
| 26 | WEDDLIMBE + MILLER | GW2 | 312355 | |
| 26 | WIGHT, FRANCIS W. | GW4 | 213963 | |
| 26 | WHITE, M.MO | GW2 | 257796 | |
| 26 | ZIER, ROBERT + MARYANN | GW2 | 280371 | |
| 26 | ZIMMERMAN, LLOYD L. | GW2 | 328129 | |
| 27 | FORD, JAMES A. | GW3 | 214893 | |
| 27 | FORD, JAMES A. | GW4 | 214892 | |
| 27 | HOEM, ALFRED + HELEN | GW4 | | |
| 27 | HOEM, ALFRED + HELEN | GW3 | | |
| 28 | TENSEN, HANS E. | GW4 | | |
| 28 | MATTE, BRUD + MARGARET | GW4 | 214553 | |
| 29 | TENSEN, HANS | GW4 | | |
| 29 | TENSEN, HANS | GW3 | 215385 | |
| 29 | ZACHARTASEN, ARNOLD + GAYLE | GW2 | 332986 | |
| 30 | DUFFNER, RAY | GW4 | | |
| 30 | FRISTO, ROBERT M. | GW4 | 214873 | |
| 30 | JOHNSON, DOUGLAS + VERLE | GW4 | 215125 | |
| 30 | HAUCK, WALTER | GW2 | 281660 | |
| 30 | SUMMERS, GORDON P | GW4 | 214610 | |
| 31 | MISSOULA COUNTRY | GW4 | 2153141 | |
| 35 | ABOUNADER, BERNICE | GW4 | 215459 | |
| 35 | COSTER, RAYMOND + MARGARET | GW4 | | |
| 35 | DELANEY, DONALD + SHIRLEY | GW4 | | |
| 35 | GIES, RICHARD | GW4 | 215163 | |
| 35 | GOGAS, GEORGE | GW2 | 253387 | |

File No.

T. 13 R. 20

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 18 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater no known

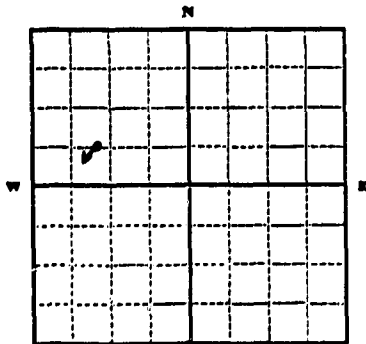
Owner G. W. Deschamps Address Rt. 2, Missoula

Contractor (if any) none

Address of Contractor none

Date Started not known Date Completed not known

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. artesian well



NW ¼ Sec. 3 T. 13 R. 20

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 constant use

quantity not known

Signature of Owner G. W. Deschamps

Date 12/16/63

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.

File No. _____

T 13N R 20W

DUPLICATE

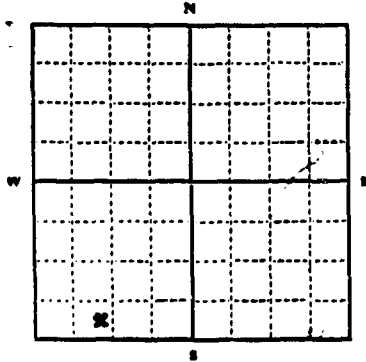
County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

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

1. Arthur Dussault of Rte. 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:



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

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

2. The beneficial use on which the claim is based
Domestic, lawn and garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been March, 1938. Previous well was surface and constructed in 1870
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Lawn and garden - 1/4 acre around dwelling.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
1 H.P. electric motor and pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March 1938 commenced and completed
8. The depth of water table 12 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 6 in. casing - 95 feet deep.
10. The estimated amount of groundwater withdrawn each year 350,000 gallons annually
11. The log of formations encountered in the drilling of each well if available gravel for 15 feet; 10 feet hardpan, then gravel remainder.
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 _____

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.

20413

File No.

T. 13N R. 20W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963
STATE ENGINEER

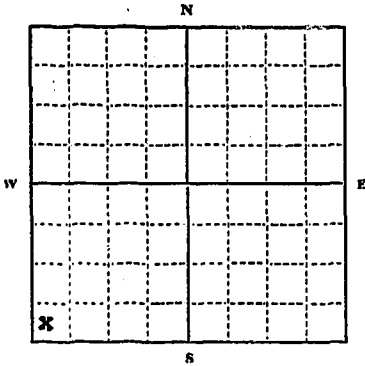
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Edward T. Dussault, of Rte. 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:



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

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

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

Domestic and irrigation

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

March, 1958 continuous

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

25 gallons 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.....

Lawn and garden of 1/4 acre around dwelling

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

2 h.p. electric motor and pump

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

March, 1958 commenced and completed

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

12 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.....

6 inch casing, 97 feet deep

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

500,000 gallons

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

good soil for 10 feet; gravel for 20 feet; 10 feet hard rock, then gravel remainder

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 [Signature]

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.

20389

STATE WATER CONSERVATION BOARD

File No. _____

T. 13N R. 20W

JAN 10 1967

DUPLICATE

County Missoula

Billie _____ McDonnell _____
Buncein _____ McNulty _____ STATE OF MONTANA
Coyle _____ ADMINISTRATOR OF GROUNDWATER CODE
Darlington _____ Sullivan _____ OFFICE OF STATE ENGINEER

LOG

Top of Ground _____
(Elev. above sea level 3327 ^{Dickart} Approx.)

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 - 8 Gravel and sand.
- 8 - 21 Sand.
- 21 - 23'8" Sand, gravel and water.

Owner Dr. Pruyn & Sweetz Address Missoula, Montana

Driller Liberty Drilling Co Address Missoula, Montana

Date of Notice of appropriation of groundwater. None-filed

Date well started 10/8/66 Date completed 10/8/66

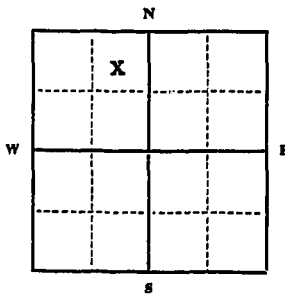
Type of well Driven Equipment used Cable Tools
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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) |
| 5" | 5 9/16" OD x .188 | +1 | 23'8" | Shop Perforated | 22'8" | 23'8" |

Water rises in the well 13 feet from surface.



Static Water Level for non-flowing well _____ 13 feet.

Shut-in Pressure for Flowing Well Non-f.

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

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

How Tested Air Lift Pump

Length of Test 1 1/2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) The bottom foot of the casing is perforated and all water entering well is coming through these perforations.

NE 1/4 NW Sec. 5 T. 13N R. 20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.
Bottom of hole 23'8"

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

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

52
Driller's License Number

William F. Cabane
Driller's Signature.

File No. _____

T. 13N R. 20W

JAN 10 1967

DUPLICATE

Billed to: _____ County Missoula
By: _____
Company: _____ STATE OF MONTANA
Department: _____ ADMINISTRATOR OF GROUNDWATER CODE
District: _____ OFFICE OF STATE ENGINEER

LOG

Top of Ground _____
Approx (Elev. above sea level) 3327.1

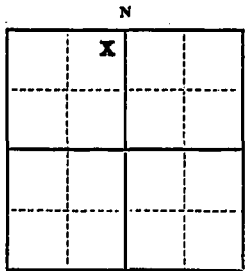
Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Formations Log:

- 0 - 6 Gravel & cobbles. First water six feet. Owner Dr. Pruyn + P.A. Swartz Address Missoula, Montana
- 6 - 14 Gravel & cobbles mixed in fine gray sand. Driller Liberty Drilling Co. Address Missoula, Montana
- 14 - 22 Fine gray sand. Date of Notice of appropriation of groundwater None filed
- 22 - 24 Fine gray sand & gravel. Date well started 10/1/66 Date completed 10/10/66
- 24 - 26 Fine gray sand. Type of well Drilled Equipment used Cable Tools
- 26 - 47 Fine tan sand. (Dug, Driven, bored or drilled) (Churn drill, rotary or other)
- 47 - 56 Tan clay with few scattered gravels imbedded. Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other
- 56 - 68 Fine tan 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 the water rises in the well.
- 68 - 73 Fine gray & tan sand with few scattered gravels mixed in.
- 73 - 81 Fine tan sand.
- 81 - 104 Coarse gray sand with few scattered gravels mixed in.
- 104 - 107 Clean coarse sand and gravel. Good water.

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 6" | 6 5/8" OD x 1/4" | +1 1/2 | 106 | N | O | N |



Static Water Level for non-flowing well 7 feet.
Shut-in Pressure for Flowing Well Non-f.
Pumping Water Level 45 feet
at 60 gal. per minute.
Discharge in gal. per min. of flowing well
Non-flowing
How Tested Air Lift Pump
Length of Test Two hours
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through the open bottom of six inch casing. Wells with open bottom completions in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should continue on reverse side)

Water rises in the well 7 feet from surface.

NE 1/4 NW Sec. 5, T. 13N. 20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.
area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should 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.
Bottom of hole 107'

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 H. Osborne
Driller's Signature

41622

File No. _____

T. 13N R. 20W

JAN 10 1967

DUPLICATE

County Missoula

LOG

Billie _____ M. DeMott _____
Butcher _____ M. _____ STATE OF MONTANA
Coyle _____ M. _____ ADMINISTRATOR OF GROUNDWATER CODE
Darginton _____ Sullivan _____ OFFICE OF STATE ENGINEER

Top of Ground _____

Approx. _____

(Elev. above sea level 3327 Dicket)
Formations Log:

- 0 - 3 Top soil.
- 3 - 6 Gravel & sand.
- 6 - 22 Sand.
- 22 - 24' 3" Gravel & Water.

Water rises in the well 7'6" from surface.

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Dr. Pruyn & Dr. Swartz Address Missoula, Montana

Driller Liberty Drilling Co Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

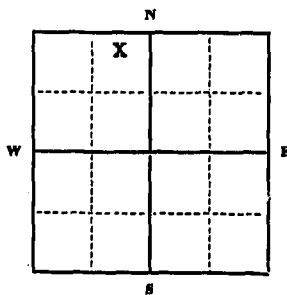
Date well started 10/8/65 Date completed 10/8/65

Type of well Driven 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) |
| 5" | 5 9/16 OD x .188 | +1 | 24' 3" | Shop Perforations | 23' 3" | 24' 3" |



Static Water Level for non-flowing well 7'6" feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 20' feet at 1.5 gal. per minute.

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

How Tested Air Lift Pump

Length of Test 1 1/2 hours

NE/4 NW Sec. 5 T. 13N R. 20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Remarks: (Gravel packing, cementing, packers, type of shutoff) The bottom foot of the casing is perforated & all water entering well is coming through these perforations.

(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.

Bottom of hole 24' 3"

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

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

52
Driller's License Number

William F. Debus
Driller's Signature

41623

1674

256961

I received and filed this instrument for record on the 6 day of Jan 1967 at 12:20 o'clock P.M. permanent files of Missoula County, State of Montana
 Witness my hand:
 Vermae R. Crouse, County Recorder
 By Montana M. Hill Deputy
 Fee \$ 2.00 Paid

STATISTICAL

#1673

256960

I received and filed this instrument for record on the 6 day of Jan 1967 at 12:15 o'clock P.M. permanent files of Missoula County, State of Montana
 Witness my hand:
 Vermae R. Crouse, County Recorder
 By Gene Beckwith Deputy
 Fee \$ 2.00 Paid

1204

Copy
 I received and filed this instrument for record on the 9 day of Dec 1967 at 11 o'clock P.M. permanent files of Missoula County, State of Montana
 Witness my hand:
 Vermae R. Crouse, County Recorder
 By Montana M. Hill Deputy
 Fee \$ 2.00 Paid

0270

1075

Copy
 I received and filed this instrument for record on the 31st day of Dec 1963 at 1:30 o'clock P.M. permanent files of Missoula County, State of Montana
 Witness my hand:
 Vermae R. Crouse, County Recorder
 By Martin J. Bunker Deputy
 Fee \$ 2.00 Paid

I received and filed this instrument for record on the 6 day of Jan 1967 at 12:15 o'clock P.M. permanent files of Missoula County, State of Montana
 Witness my hand:
 Vermae R. Crouse, County Recorder
 By Gene Beckwith Deputy
 Fee \$ 2.00 Paid

OW

File No. _____

T. 13^P R. 20^W

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

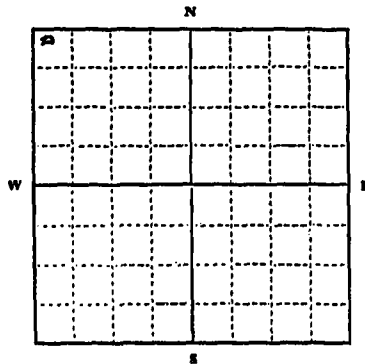
RECEIVED
JAN 3 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. GEORGE J. LAVOIE, of Route #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:



NW 1/4 Sec. 6 T. 13 R. 20

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. April 1, 1960
Continual

4. The amount of groundwater claimed (in miner's inches or gallons per minute). Twenty (20) gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump
NW of Section 6, Township 13, Range 20

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. April 1, 1960 to April 7, 1960

8. The depth of water table. 7 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Driven 3 inch casing, 27 feet

10. The estimated amount of groundwater withdrawn each year. 64,000 gallons

11. The log of formations encountered in the drilling of each well if available. Gravel 12 feet hardpan 12 inches -- creek bottom

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 George J. Lavoie

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.

20181

1061

215536

I received and filed this instrument for
record on the 31st day of Dec, 1923
at 11 o'clock A.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. REMINER, County Recorder
By Edith Lane Deputy
Fee \$ 2.00 Paid

STATE WATER COMPLETION BOARD

File No. _____

T. 13 R. 20

FEB 3 1957

DUPLICATE

County Missoula

Bill _____
By _____
County **STATE OF MONTANA**
Director **ADMINISTRATOR OF GROUNDWATER CODE**
Clerk **OFFICE OF STATE ENGINEER**

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

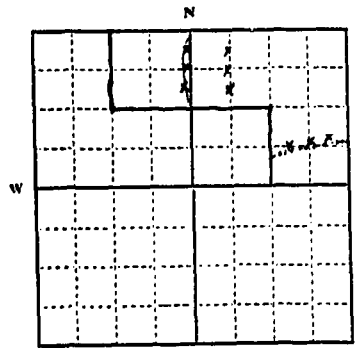
Date of Appropriation of Groundwater Sept. 15th 1941

Owner Lillian J. Rose Address Missoula, Mont. Route 2
Wayne C. Rose

Contractor (if any) none

Address of Contractor _____

Date Started _____ Date Completed _____



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. natural sloughs of a former river channel fed by springs rising on our property. Sub-irrigation, stock water and 100 inches miners measure, to supply water for sprinkler irrigation.

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 One hundred inches (100 inches) miners measure May 1st to October 15th for irrigation. Year around for sub-irrigation and stock water.

1/4 Sec. 6 T. 13 R. 20
Indicate point of appropriation and place of use, if possible.

Signature of Owner Wayne C. Rose
Lillian J. Rose

Date Jan. 31st 1967

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.

480

257617

I received and filed this instrument for
record on the 31st day of Jan. 1967
at 4:05 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand:
Keranos R. Cigut, County Clerk
By *Donna D. Manning*, Deputy
Fee \$ *2.00* Paid *Beck*

T 13 R 20 6

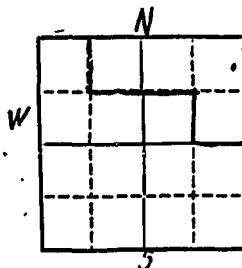
County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 9 1951

WATER WELL LOG

STATE ENGINEER



Owner Wayne C. Rose & Lillian J. Rose Address Missoula, Mont. Route 2

Driller Wayne C. Rose Address Missoula, Mont. Route 2

Date Started..... 1949 Date Completed..... 1949

Location: Sec 6 T. 13 R. 20 1/4 sec. NE 1/4 of NE 1/4

Type of well Dug by hand Equipment used shovel and bar
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other:.....

Casing:..... ft. to..... ft. Type iron Size 6 in.

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: 6 to 12 feet from top of ground feet.

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

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

How tested:.....

Length of test.....

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

.....
.....
.....
.....

(over)

T. 13 R. 20 6

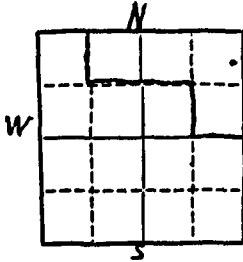
County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
APR 11 1944

STATE ENGINEER

WATER WELL LOG



Owner Wayne C. Rose & Lillian J. Rose Address Missoula, Mont. Route 2

Operator Wayne C. Rose Address Missoula, Mont. Route 2

Date Started 1944 Date Completed 1944

Location: Sec. 6 T. 13 R. 20 1/4 sec. NE 1/4 of NE 1/4

Type of well Dug by hand Equipment used shovel and bar
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: _____ ft. to _____ ft. Type hot water tanks Size 12 or 14 in.

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: 9 to 12 feet from top of ground _____ feet.

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

Pumping water level _____ feet at _____ gal. per min.

How tested: _____

Length of test _____

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

(over)

T. 13 R. 20 6

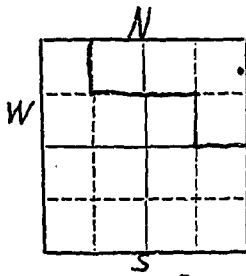
County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JAN 6 1961

WATER WELL LOG

STATE ENGINEER



Owner Wayne L. Rose & William J. Rose Address Missoula, Mont. Route 2.

Dug by U.S. Army Address _____

Date Started _____ 1855 Date Completed _____ 1855

Location: Sec. 6 T. 13 R. 20 1/4 sec. NE 1/4 of NE 1/4

Type of well Dug by hand Equipment used shovel and bar
(Dig, driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: _____ ft. to _____ ft. Type rock Size about 4 ft diameter

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: _____ feet.

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

Pumping water level _____ feet at _____ gal. per min.

How tested: _____

Length of test _____

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

The water runs out the top during spring of year and is now holding at between 4 and 5 feet from top of well. I do not know how many gal. per min. this well would supply as I have never pumped it dry.

(over)

File No.

T. 13 N. R. 20 W. 6

DUPLICATE

County Missoula

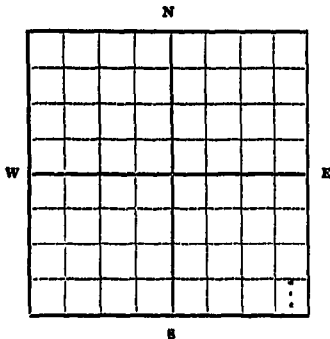
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 26 1963

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

John William Wetters of RT 1 Missoula
(Name of Appropriator) (Address) (Town)

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



SE 1/4 SW 1/4 Sec. 6 T. 13 R. 20

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 home use
- Date or approximate date of earliest beneficial use; and how continuous the use has been 1960, continuous use
- The amount of groundwater claimed (in miner's inches or gallons per minute) 900 miner's inches
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre lawn around house plus sick water
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 2 wells by house by garage by carport
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1936 two wells wedged in 1960
- The depth of water table 16 feet
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 2 shallow wells Fe. S. T. S. 1 deep well, 52 ft. 1 shallow well by hand pump 2" line, deep well by J.C.P.M.P. 4" casing 500 gallons a day
- The estimated amount of groundwater withdrawn each year 182500 gallons
- The log of formations encountered in the drilling of each well if available 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.

Signature of Owner John W. Wetters

Date 12/11/63

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 School of Mines and Quadruplicate for the Appropriator.

482

214627

I received and filed this instrument for
record on the 13 day of Dec 1967
at 8:06 o'clock A.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MAYNARD E. BISHOP, County Recorder
By William D. Bishop Deputy
Fee \$ 2.00 Paid

RECEIVED

JUL 3 1973

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

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 George L. Barnes
Address Road 1 Big Flat
Missoula Mont
Date well started 3/11/72
completed 3/15/72

| | |
|-------------------------|---------------------|
| For Administrator's Use | |
| File | <u>334385, 2518</u> |
| | <u>6-29-73</u> |
| GW 1 | <u>4:40 pm</u> |

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

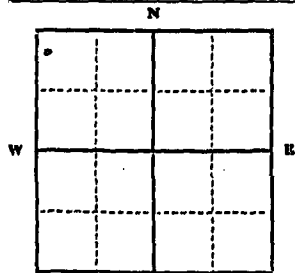
Equipment used Driller
(Chain drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|------------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| <u>6"</u> | <u>6" S&W 40</u> | <u>+2</u> | <u>43</u> | <u>3/4" x 6"</u> | <u>39</u> | <u>43</u> |



Static water level 17 ft.*
Pumping water level 19 ft.*
at 60 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by Chapman
for 2 hours.
Power 1.25 Pump gabil HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) _____

N. W. 1/4 N. W. 1/4 Sec. 7
T. 13 N. R. 20 E
S W

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

Driller's Signature George L. Barnes

Driller's Address _____

_____ LICENSE NO. _____

| Top of Ground (Elev. above sea level) | | |
|---------------------------------------|-----------|--------------------------|
| From (Feet) | To (Feet) | |
| <u>0</u> | <u>8</u> | <u>SAND & SOIL</u> |
| <u>8</u> | <u>12</u> | <u>SAND & GRAVEL</u> |
| <u>12</u> | <u>17</u> | <u>STATE CLAY</u> |
| <u>12</u> | <u>18</u> | <u>GRAVEL</u> |
| <u>18</u> | <u>20</u> | <u>CLAY</u> |
| <u>20</u> | <u>28</u> | <u>SAND & GRAVEL</u> |
| <u>28</u> | <u>31</u> | <u>CLAY</u> |
| <u>31</u> | <u>37</u> | <u>SAND & GRAVEL</u> |
| <u>37</u> | <u>43</u> | <u>GRAVEL</u> |

43 Show exact depth of bottom

2588

334385

I received and filed this instrument for
 record on the 29 day of Jun 1979
 at 4:40 o'clock P. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Dorothy L. Head, County Recorder
 By Sinda M. Blac Deputy
 Fee \$ 3.00 Paid ca

JUN 29 1979
 4 40 PM
 REC'D

C. 10/11

2587

834384

I received and filed this instrument for
 record on the 29 day of June 1973
 at 4:30 o'clock P. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Evelyn L. Haad, County Recorder
 By: Sandra M. Sloan, Deputy
 Fee \$ 2.00 Paid ca

P. M. 024015 - 91 111 - 32 23

C. 111

RECEIVED

JUL 5 1973

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
DRILLER'S LOG
Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962

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

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

Owner: George Barnes
Address: Road 1 Big Flat
Missoula Mont
Date well started: 10 July 71
completed: 17 July 71
Type of well: Driller
Equipment used: Driller
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other Garden/Lawn

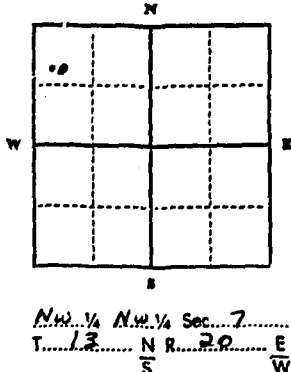
| For Administrator's Use | |
|-------------------------|--------------------|
| File | <u>334553-2586</u> |
| | <u>6-29-78</u> |
| GW | <u>1-56-p.u.</u> |

| Top of Ground (Elev. above sea level) | | |
|---------------------------------------|-----------|---------------|
| From (Foot) | To (Foot) | |
| 0 | 10 | SANDY SOIL |
| 10 | 17 | SAND & GRAVEL |
| 10 | 18 | SAND & GRAVEL |
| 18 | 22 | CLAY |
| 22 | 28 | SAND |
| 28 | 30 | CLAY |
| 30 | 38 | SAND |
| 38 | 45 | SAND & GRAVEL |
| 45 | 49 | SAND & CLAY |
| 49 | 56 | SAND & GRAVEL |
| 56 | 63 | GRAVEL |

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

ESTIMATED ANNUAL WITHDRAWAL

| Size of Drilled Hole | Size and Weight of Casing | From (Foot) | To (Foot) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind | From (Foot) | To (Foot) |
| 6" | 6" sch 40 x 2 | - | 63 | OPEN | BOTTOM | |



Static water level 12 ft.*
Pumping water level 16 ft.*
at 60 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by Compan
for 4 hours.
Power 125 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature George L Barnes

Driller's Address

LICENSE NO.

63 Show exact depth of bottom

2596 334383

I received and filed this instrument for
record on the 29 day of Jan 1973
at 9:36 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By Wanda M. Sloan, Deputy
Fee \$ 2.00 Paid ca

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C

