

File No.

T. 13N R. 20W

DUPLICATE

County. Missoula

LOG

STATE OF MONTANA
MONTANA WATER RESOURCES BOARD
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level) 3203

Approx.

JUL 28 1968

RECEIVED
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 - 1 1/2 Dirt.
- 1 1/2 - 27 Sand & gravel.
- 27 - 32 Gravel mixed in tan clay.
- 32 - 34 Silty sand & gravel.
- 34 - 37 Gravel imbedded in tan clay.
- 37 - 43 Silty sand & gravel.
- 43 - 51 Gravel mixed in tan clay.
- 51 - 59 Fine sand & gravel. Water.
- 59 - 66 Coarse gravel & fine sand. Water.
- 66 - 71 Tan to brown clay.
- 71 - 80 Clean coarse sand and gravel. Water.

Owner Marvin Twogood Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 5/17/68 Date completed 5/18/68

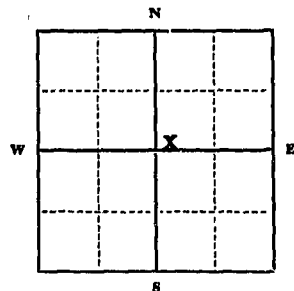
Type of well Driven Equipment used Well Driving Rig
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/4"	+1	80' 9"	Torch cut 1/4" x 3" slots	75	80

Water rises in the well six feet from surface.



Static Water Level for non-flowing well Six feet.

Shut-in Pressure for Flowing Well Non-F

Pumping Water Level 30 feet
at +100 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Non-Flowing
Air Lift Pump

Length of Test Four hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through perforations in six inch casing. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 100 percent of the tested capacity of the aquifer.

Sec. 15, T. 13N, R. 20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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

Lot 3, Riggs Addition

Show exact depth of bottom.

Bottom of well 80'

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

William F. Volume
Driller's Signature

45483

1919

283297

I received and filed this instrument for
 record on the 24th day of July, 1919.
 at 10:00 o'clock A. M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Verance R. Crouse, County Recorder
 By M. A. Crouse Deputy
 Fee \$ 2.00 Paid Cash

1919
 MISSOULA COUNTY RECORDERS OFFICE
 MISSOULA, MONTANA

Register in full for nine of 1919-20
 Register in full for 1920-21
 Register in full for 1921-22
 Register in full for 1922-23
 Register in full for 1923-24
 Register in full for 1924-25
 Register in full for 1925-26
 Register in full for 1926-27
 Register in full for 1927-28
 Register in full for 1928-29
 Register in full for 1929-30

File No. _____

T. 13^N R. 20^W 3

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)



Top of Ground
(Elev. above sea level _____)
25' sand, gravel and clay
23' fine sand and some water
2' clay
14' coarse sand, gravel and water

Owner Warren Williams Address Missoula

Driller Kane Water Well Drilling address St. Regis

Date of Notice of Appropriation of Groundwater 10/7/64

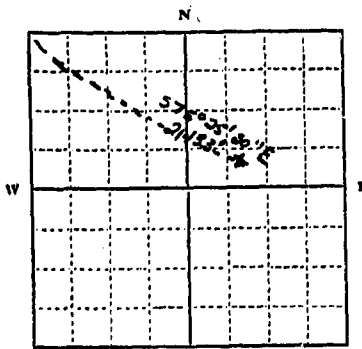
Date well started 10/26/64 Date Completed 10/28/64

Type of well Drilled Equipment Used other
(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" id	6" id 19#	5'	68	does not apply		



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

Static Water Level for non-flowing Well 23 feet.

Shut-in Pressure for Flowing Well does not apply

Pumping Water Level 27 feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well does not apply

How Tested bailed & pumped Length of Test til clear

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) _____

68

Show exact depth of bottom.

23
Driller's License Number

[Signature]
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.

40730

1565

245600

I received and filed this instrument for record on the 5 day of Jan 1966 at 11:25 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:

Verance H. Cross, County Recorder -
 By *Chas. J. Hauer* Deputy
 Fee \$..... Paid *cash*

STATE WATER CONSERVATION BOARD

JAN 11 1966

Bill _____
 Butzer _____
 McNeil _____
 Morton _____
 Sullivan _____
 Darlton _____
 Dickert _____

These are the names of the persons who have been designated as members of the State Water Conservation Board for the term beginning on January 1, 1966, and ending on December 31, 1968.

File No. _____

T. 13 R. 20 S. 13

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED

County Missoula

LOG

NOV 20 1966

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner HAROLD L. WHALEY Address RT 2 HULLAN ROAD

Driller HAROLD L. WHALEY Address RT 2 HULLAN ROAD

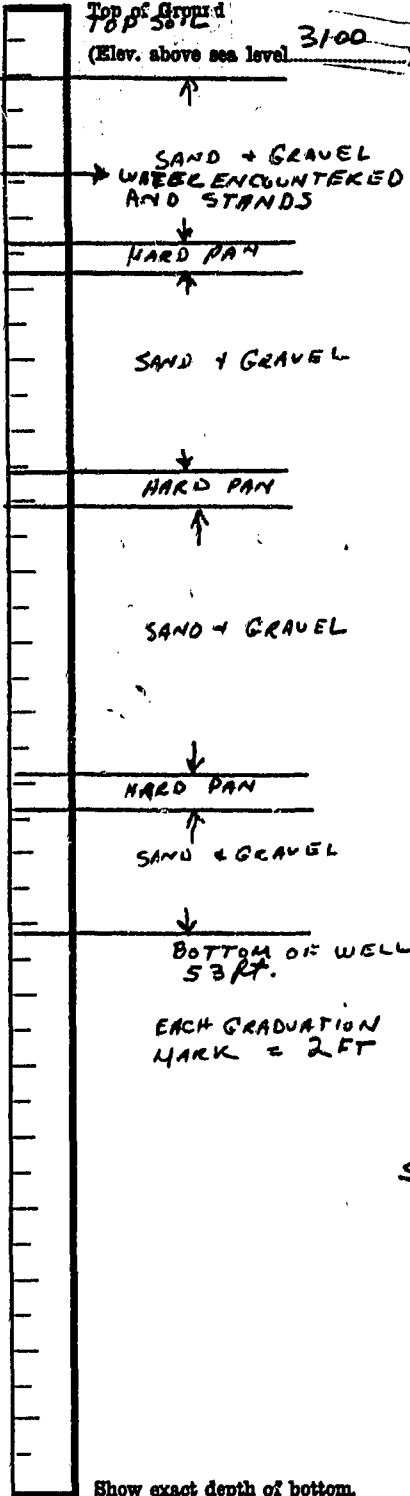
Date of Notice of appropriation of groundwater _____

Date well started APRIL 14, 1966 Date completed APRIL 18, 1966

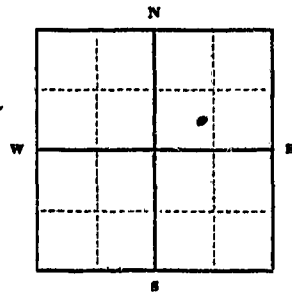
Type of well DRIVEN Equipment used OTHER
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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 silt, 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	From (Feet)	To (Feet)
6"	6" SCHEDULE 40	SURFACE	53	3/16" x 3"	47	52



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level _____ feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested _____

Length of Test _____

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

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

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).
IRRIGATION 5 ACRES, LOT 5, RIGGS ADDITION NO. 2

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

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

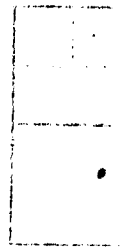
Driller's License Number _____

Harold L. Whaley
Driller's Signature

44,781

1841 276409

I received and filed this instrument for
record on the 18th day of June 1914
at 11:00 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
Veranus B. Crouse, County Recorder
By M. J. Crouse, Deputy
Fee \$ 2.00 Paid



RECORDED
INDEXED
MISSOULA COUNTY, MONTANA
JUN 22 1914

CORRECTED LEGAL COPY
of well Filed 11-18-68
File No 1841

County MISSOULA

13

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 HAROLD L. WHALEY

Address RT 2 MULLAN

ROAD

Date well started 4-14-66

completed 4-18-66

For Administrator's Use	
File	<u>184, 331703</u>
Date	<u>May 8, 1973</u>
GW 1	<u>9:32 A.M.</u>

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

Equipment used OTHER
(Cable drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

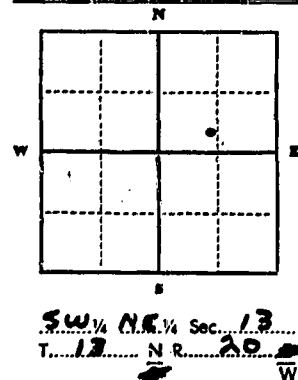
Industrial Drainage Other Garden/lawn

*Describe LOT 5 RIGGS ADDITION #2

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)
<u>6"</u>	<u>6" SCHEDULE 40</u>	<u>SURFACE</u>	<u>53</u>	<u>BURIED</u>	<u>47</u>	<u>52</u>
				<u>15x3"</u>		



Static water level 9 ft.*
Pumping water level 9 ft.*
at 30 gallons per minute,
measured 30 minutes after pumping
began.

*Measured from ground level.
Well developed by COMP. AIR
for 4 hours.

Power..... Pump..... 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 Harold L. Whaley

Driller's Address Rt. 2 Mullan Rd

Missoula LICENSE NO.....

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

Top of Ground (Elev. above sea level)

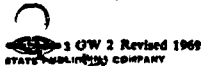
From (Foot)	To (Foot)	
<u>0</u>	<u>5</u>	<u>top soil</u>
<u>5</u>	<u>10</u>	<u>shale & gravel</u>
<u>10</u>	<u>14</u>	<u>sand & gravel - water</u>
<u>14</u>	<u>15</u>	<u>hard pan</u>
<u>15</u>	<u>27</u>	<u>sand & gravel</u>
<u>27</u>	<u>28</u>	<u>hard pan</u>
<u>28</u>	<u>46</u>	<u>sand & gravel</u>
<u>46</u>	<u>46</u>	<u>hard pan</u>
<u>46</u>	<u>53</u>	<u>sand & gravel</u>
		<u>bottom of well</u>
		<u>water</u>

53 ft show exact depth of bottom

Original file number 33170.3

Correction Copy

I received and filed this instrument for record on the 8 day of May 1972 at 9:30 o'clock A.M., permanent files of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By Mary J. Kelly, Deputy
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 HAROLD L. WHALEY

Address RT 2 MULLAN

R.D.

Date well started 5-12-72

completed 5-14-72

Type of well DRIVEN

Equipment used OTHER

Water Use: Domestic Municipal Stock Irrigation

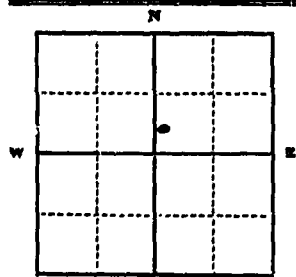
Industrial Drainage Other * Garden/Lawn

*Describe 5 ACRES

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). LOT 5 RIGGS ADDITION # 2

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind	From (Foot)	To (Foot)
6"	SCHEDULE 40	SURFACE	55	BURNED	50	55
				48" x 5"		



Static water level 10 ft.*
Pumping water level 10 ft.*
at 30 gallons per minute,
measured 30 minutes after pumping
began.

*Measured from ground level.
Well developed by COMP. AIR
for 3 hours.

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

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

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

Driller's Signature Harold L. Whaley

Driller's Address Rt 2 Mullan Rd

Missoula LICENSE NO.

RECEIVED

County MISSOULA ¹³

DRILLER'S LOG

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

Top of Ground: (Elev. above sea level)

From (Feet)	To (Feet)	Strata
0	5	TOP SOIL
5	14	SAND FINE GRAVEL
14	15.5	SAND GRAVEL
15.5	26	HARD PAN
26	28	SAND GRAVEL
28	44	HARD PAN
44	46	SAND GRAVEL
46	55	SAND GRAVEL

55 ft Show exact depth of bottom

53,115

2017

33170 2

I received and filed this instrument for
 record on the 8 day of May, 1973
 at 9:30 o'clock A. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Dorothy L. Hoard, County Recorder
 By Mary Skelley, Deputy
 Fee \$ 3.00 each Paid

NO
 RECORDS
 SECTION
 MAY 22
 1973
 20
 20

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—0472

14

File No. _____

T. 13^N R. 20^W

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF SEGWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground (Elev. above sea level) _____

Top of Ground

(Elev. above sea level) _____

Owner Raymond L. Rain Address St. 172, Anaconda

Drilled by W. J. Bunker Address 115 E. Broadway

Date of Notice of Appropriation of Groundwater _____

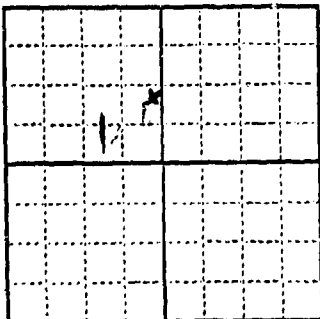
Date well started Sept. 1957 Date Completed Sept. 1957

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 in.	not known					



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

Show exact depth of bottom.

Static Water Level for non-flowing Well 40 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 25 feet at not known gal. per minute.

Discharge in gal. per min. of flowing well none

How Tested not known Length of Test _____

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) 1/2 acre

not known
Driller's License Number

Driller's Signature

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

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

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

2019⁶

File No.

T.13N R.22W

DUPLICATE

County Missoula

STATE OF MONTANA **DECEIVED**
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER DEC 11 1963

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

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

0
6 pit
1
17 sand
17
42 fine sand water
42
54 clay
54
93 clay gravel
94 gravel
106 gravel water

Owner Harl Bruner Address Arlee Mont

Driller John Farrell Address Arlee Mont

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

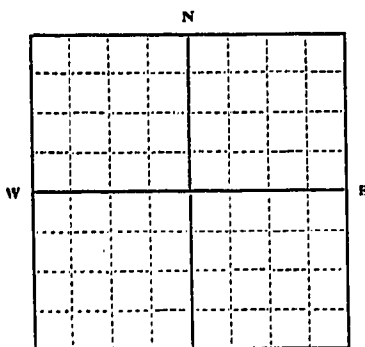
Date well started Oct 11-1963 Date Completed Oct 13-1963

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	5" 14 1/2 LB	0	94' 5"			



E 1/2 SE 1/4 NW Sec. 14 T.13. R.22.W
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

94' 5" casing total 95' 5"
Show exact depth of bottom.

Static Water Level for non-flowing Well..... 22 feet.

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

Pumping Water Level..... 22 feet at..... 24 gal. per minute.

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

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

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

Driller's License Number 14

John Farrell
Driller's Signature

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

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

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

File No.

T. 13^N R. 20^W

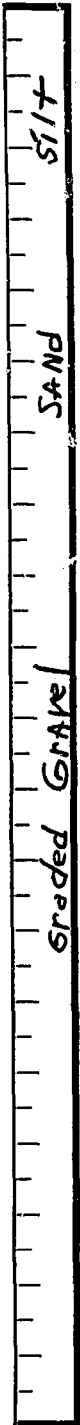
DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
NOV 18 1963

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)



Top of Ground
(Elev. above sea level 3190.....)

Owner Gaspard W. Deschamps Address Rt. 2 Missoula

Driller Not known Address Not known

Date of Notice of Appropriation of Groundwater Not known

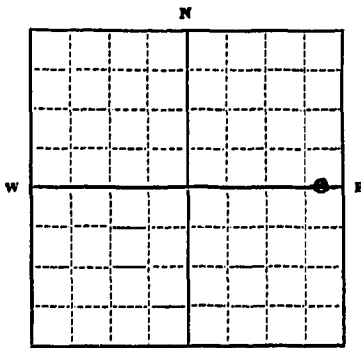
Date well started 1951 Date Completed 1951

Type of well Driven Equipment Used Drivers
(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, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4"	4"	surface	30'	sound point	26'	30'



..... 1/4 Sec. 14 T. 13 R. 20
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Not Known

Static Water Level for non-flowing Well 10' feet.

Shut-in Pressure for Flowing Well Not known

Pumping Water Level 10' feet at 60 gal. per minute.

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

How Tested pumped Length of Test 5 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)

Gaspard W. Deschamps

Not Known
Driller's License Number

Not Known
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.

319 212837

121233 612013

I received and filed this instrument for record on the 12 day of Feb 1963 at 8:30 o'clock A.M., permanent files of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By *John E. Galt*, Deputy
Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDER
MISSOULA, MONTANA

GW 2

File No.

T. 13^N R. 20^W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 18 1963
STATE ENGINEER

GRADED GRAVEL
SAND

Top of Ground
(Elev. above sea level #1(
3190)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Gaspard W. Deschamps Address Rt. 2, Missoula

Driller Not known Address Not known

Date of Notice of Appropriation of Groundwater not known

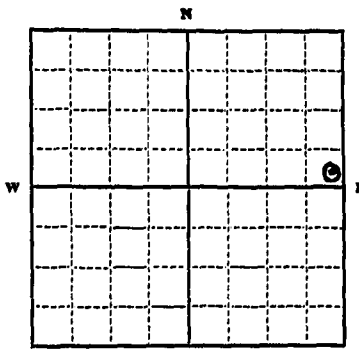
Date well started Not known Date Completed Not known

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4' dia.	Brick walled	Surface	24'			



1/4 Sec 14 T13 R 20
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 10' from land surface

Shut-in Pressure for Flowing Well

Pumping Water Level 10' feet at 80 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested pumped Length of Test 4 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)

Gaspard Deschamps

Show exact depth of bottom.

Log of dug well taken from ground water study made in 1955 with borings near well.

Not known
Driller's License Number

Not known
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.

317

copy

812836

I received and filed this instrument for
 record on the 12 day of Feb 1915
 at 8:22 o'clock A.M. per person file
 of Missoula County, State of Montana
 Witness my hand:
MARTIN S. BEHNER, County Recorder
 By Edothy Head Deputy
 Fee \$ 2.00 Paid

C

File No. _____

T. 13 R. 20

DUPLICATE

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

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

0	Top of Ground (Elev. above sea level _____)
25'	Clay
25'	
28'	Sand Gravel little water
28'	
50'	Clay
50'	
118'	Heaving Sand & Water
118'	
119'	Pea Gravel & Water

Owner G W Deschamps Address R. 11 Missoula

Driller John Farrell Address Arlee Mont

Date of Notice of appropriation of groundwater _____

Date well started April 7 1970 Date completed April 15 1970

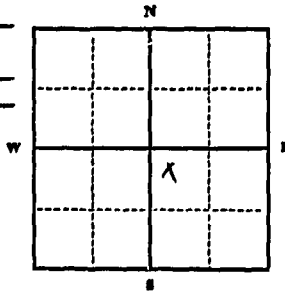
Type of well Drilled Equipment used Churn Drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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 Coupling	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 17 1/2 #	0	119			

Doc. No. 29047
Filed for record
this 20 day of April
A. D. 19 70, at 10:30
o'clock AM.



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

Shut-in Pressure for Flowing Well _____

Pumping Water Level _____
31 feet

at _____
15 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Pump

Length of Test 3 hrs

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

1/4 Sec. 14 T. 13 R. 20
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

119' 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.

14
Driller's License Number

John Farrell
Driller's Signature
46375

D E, 1977

290417

I received and filed this instrument for
record on the 20 day of April 1970
at 11:30 o'clock A.M. Permanent files
of Missoula County, State of Montana
Witness my hand
Vernice A. Cross, County Recorder
By Anita A. [Signature] Deputy
Fee \$2.00 Cash Paid

14

File No.

T. 13th R. 20th

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

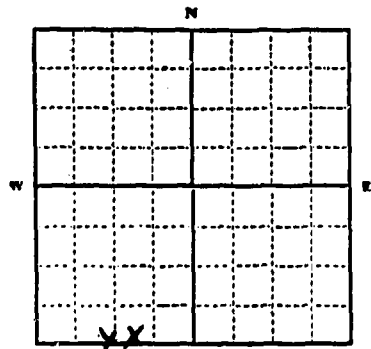
RECEIVED
DEC 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Section Laws, 1961)

STATE ENGINEER

1. Joseph Field (Name of Appropriator), of RT 2 Missoula (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N. 1/2 SW 1/4 Sec. 14 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 household and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1942 and continuously after

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 120 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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump & pressure tank

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Summer of 1941

8. The depth of water table 12 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 17 ft deep by 4 ft wide and seepage opening for livestock

10. The estimated amount of groundwater withdrawn each year 2000 Barrels

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

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

Signature of Owner Joseph Field
Date Dec 23 - 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.

12314

499

214787

I received and filed this instrument by
record on the 22nd day of December
at 1:24 o'clock P.M. pursuant to law
of Illinois County, State of Illinois
Witness my hand
and the seal of said County Clerk
at Springfield, Illinois
Dec 22 1900

GW 3

File No. _____

T. 13 N. R. 20 W.

14
23

DUPLICATE

County Missoula

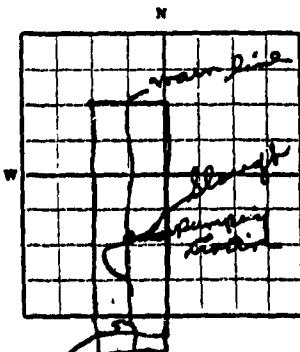
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1968

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 3/8/48
Owner Clifford Gray Address R#2 Missoula Montana
Contractor (if any) None
Address of Contractor _____
Date Started 3/8/48 Date Completed 3/8/48



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This water right was filed on before as water obtained from a blough. Under ground springs help supply a half of the 300 acres water filed on. The other water is water from Hallgate ditch Co. & Brent create

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 _____
Sprinkler system is employed for purpose of irrigation of 160 acres crop 70 sprinkler heads, 2.5 hp electric motor pump used from May 1st to Oct 1st each year

1/4 Sec. T. R.

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

W 1/2 SE 1/4, NW 1/4, W 1/2 E 1/4 SW 1/4 of Sec 14
W 1/2 NW 1/4 Sec 23 all in Twp 13 N
Range 20 W
also on
E 1/2 SE 1/4, NW 1/4, E 1/2 E 1/4 SW 1/4 of Sec 14
E 1/2 NW 1/4 of Sec 23 Twp 13 N
Range 20 W

Signature of Owner Clifford Gray
Date 12/26/63

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.

This record is a supplement to
Appropriation Dated March 8, 1948 Filed March 9, 1948
Records BK J of Water Rights, page 462
J. 15:4 pm

1710

I received and filed this instrument for
recording on the 21st day of Dec 63
at the office of the
of Missoula County
Witness my hand
By *[Signature]* Clerk Recorder
Fes \$ *[Amount]* Paid

File No. _____

T. 13. R. 20.4

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

Declaration of Vested Groundwater Rights

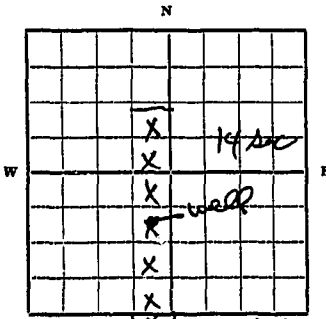
(Under Chapter 237, Montana Session Laws, 1963)

STATE ENGINEER

Clifford Gray & Opal Mae Gray, of 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:



E 1/2, NE 1/4, NW 1/4
E 1/2, E 1/2, SW 1/4
27 ac
58 ac

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1900 & since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1.0 miner 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 1.2 acres sugar beets grain & alfalfa ground Clifford Gray

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1/2 hp electric motor & pump located just south of homestead 30 ft

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1900

8. The depth of water table 1st water 23 ft 2nd water 80 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 1 drilled well, 4 inch casing 5.6 ft deep

10. The estimated amount of groundwater withdrawn each year 2,640,000 gal

11. The log of formations encountered in the drilling of each well if available 1.4 ft of clay top soil & 7.8 ft of sand, gravel & 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 unknown

Signature of Owner Clifford Gray

Date 12/19/63

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.

19935

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

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 Tom G. and Gertrude M. Greenfield
Address Route 2
Missoula, Montana
Date well started 7/2/70
completed 7/6/70

For Administrator's Use
File <u>293076</u>
<u>July 17, 1970</u>
GW 1

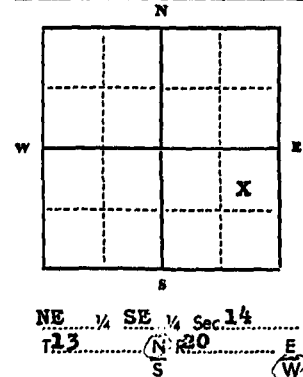
Type of well Drilled
(Dug, driven, bored or drilled)
Equipment used Cable tools
(Churn drill, rotary or other)
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other Garden/Lawn

*Describe _____
USE: If used for Irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). Approximately 8.2 acres

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 3/8" OD x 1/4"	+2'	86'2"	5 9/16 inch OD shop made screen	86	94

Blank tailpipe extends to bottom.



Static water level 15 ft.*
Pumping water level 47 ft.*
at 100 gallons per minute,
measured 2 1/2 hours after pumping began.
*Measured from ground level.
Well developed by Air Lift for 2 1/2 hours. Pump
Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through slot openings in screen.

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

Driller's Signature William F. Osborne
Driller's Address 2500 Reserve Street

Missoula, Montana LICENSE NO. 52

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.

Approx. 3227'

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	1	Black dirt and gravel.
1	18	Gravel and cobblestones.
18	31	Sandy gravel.
31	41	Gravel imbedded in tan silt.
41	57	Tan silty clay and a few scattered gravels.
57	61	Coarse sand and fine gravel. Some water.
61	67	Fine silty sand and seams of tan clay.
67	73	Tan clay.
73	86	Fine brown silty sand and coarse gravel. Silty water.
86	99	Clean coarse gravel. Water.

99 ft. Show exact depth of bottom
Water rises in well 15 feet
to surface.

46707

Q.16

295076

I received and filed this instrument for
 record on the 17 day of July, 1970
 at 2:00 o'clock P.M., pursuant to the
 of Missoula County, State of Montana
 Witness my hand.
 Varance R. Crouse, County Recorder
 By [Signature], Deputy
 Fee \$ 2.00 Paid cash

to pay for
 filing fee
 charge
 made
 upon
 1970
 REC'D
 1970
 REC'D
 1970

File No. **RECEIVED**

T. 13N R 20W 14

DUPLICATE

JAN 22 1970

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Well on Mallen Road

Owner: Bernard Gress Address: _____

Driller: Glenn Camp 705 Alder Address: Missoula, Mont

Date of Notice of Appropriation of Groundwater: _____

Date well started: 9/30/64 Date Completed: 10/3/64

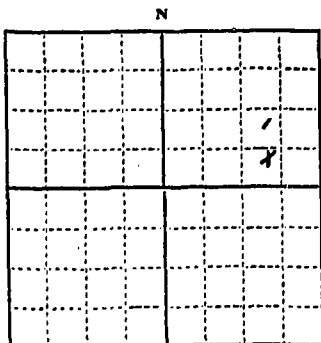
Type of well: Drilled Equipment Used: Churn drill
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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.

- Top of Ground _____
- (Elev. above sea level _____)
- 0 to 6' Pit
- 6' to 15' Fine sand & clay
- 15' to 24' Sand, clay & gravel
- 24' to 42' Sand & water
- 42' to 63' Sandy Clay
- 63' to 67' Clay & gravel
- 67' to 78' Sandy clay
- 78' to 101' Sand & water
- 101' to 106' Clay
- 106' to 109' Gravel, sand and water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)		To (Feet)		CORPORATION		
		Kind	From (Feet)	To (Feet)	Kind	From (Feet)	To (Feet)	
5"	5" I.D.	7' from bottom						
	seamless	of pit to						
	Approx 15'	109'-8"						None



5
S.E. 1/4 NE 1/4 Sec. 14, T. 13, R. 20
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 21'-6" from G.L. feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 25 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Compressor Length of Test 1/2 hr

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.

Doc. No. 288066
Filed for record
this 20 day of January
A. D. 19 70 at 11:00
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.

46089

1955

288066

I received and filed this instrument for record on the 20th day of Jan 1970
 at 11:00 o'clock P. M. for record this
 of Missoula County, State of Montana
 Witness my hand
 Veranda R. Crouse, County Recorder
 By W. M. C. Crouse, Deputy
 Fee \$ 2.00 Paid

Discharge in resp. for sign of Bowlers will
 Discharge in resp. for sign of Bowlers will
 Discharge in resp. for sign of Bowlers will
 Discharge in resp. for sign of Bowlers will

1955-11-10
 1955-11-10
 1955-11-10
 1955-11-10

3

GW

14

File No. _____

T. 13^N R. 20^W

DUPLICATE

County. MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Ralph T. or Regina G. Hillstrom, of R.T. Mullam rd Missoula
(Name of Appropriator) (Address) (Town)

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

		V	

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1959 EVERY day

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Not Known

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 Known

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

1/4 Sec. 14 T. 19. R. 20.
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 1959

8. The depth of water table 70 Feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Depth 97 Feet

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

1959 Book 214 Page 343 1963 Book 228 Page 216

Signature of Owner Ralph T. Hillstrom and as Regina G. Hillstrom
Date Dec 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.

15287

30

215184

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

WISCONSIN

MISSOURI

MISSOURI

MISSOURI

MISSOURI

MISSOURI

Response Electric branch

1922

20 First

Robert J. East

File No. _____

MAY 13 1966

T. 13N R. 20W

14

DUPLICATE

Billie _____ McDermott _____
 Butorn _____ McNulty _____ County Missoula
 Coyie _____ Morton _____ STATE OF MONTANA
 Darlinton _____ Sullivan _____ ADMINISTRATOR OF GROUNDWATER CODE
 Pickert _____ OFFICE OF STATE ENGINEER

LOG

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

Formations Log:

- 0 - 15 Sandy soil.
- 15 - 28 Tan silty sand.
- 28 - 34 Silty, sandy gravel.
- 34 - 66 Tan sandy clay with some gravel mixed in.
- 66 - 79 Tan silty clay.
- 79 - 87 Fine sand and gravel.
- 87 - 92 Clean coarse sand & gravel. Water.

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Jawett Construction Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None - filed

Date well started 4/29/66 Date completed 4/29/66

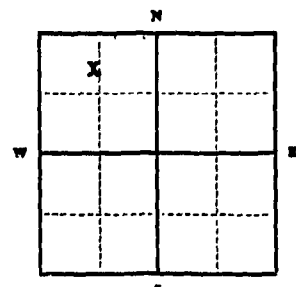
Type of well Driven Equipment used Well Driving Rig
 (Dig, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
 Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind and Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/4"	+6"	92	Torch Cut	88	92

Water rises in well to 22 feet from surface.



Static Water Level for non-flowing well 22 feet.
 Shut-in Pressure for Flowing Well Non-f.
 Pumping Water Level 48 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) The bottom four feet of casing is perforated and all water entering the well is coming through these perforations. Wells in this area can be depended upon to produce clear sand free water year after year as long as logs continue on reverse side)

N 1/4 Sec 14 T13N R.20W
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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

Lawn

Show exact depth of bottom.
 Bottom of hole 92'

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

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

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

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 Mrs. Albert Jovin

Address Rt. 2, Kullan Rd.

Missoula, Montana

Date well started Apr. 29, 1972 SW 1

completed May 2, 1972

For Administrator's Use	
File #	<u>2292-37993</u>
Date	<u>June 13, 1972 9:00 a.m.</u>

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

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

Water Use: Domestic Municipal Stock Irrigation

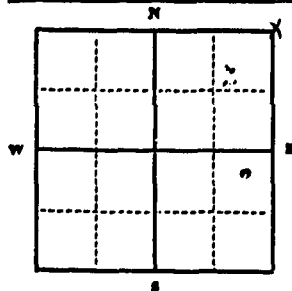
Industrial Drainage Other Garden/Lawn

*Describe _____

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

ESTIMATED ANNUAL WITHDRAWAL 25,000,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6"	6" 17.7	1 up	87	---	---	---



$\frac{1}{4}$ Sec. 14
T. 13 N. R. 26 E.
S. 26 W.

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

Driller's Signature [Signature]

Driller's Address C.K.C. Drilling, P.O. Box 670,

Missoula, Montana LICENSE NO. 185

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	8	Topsoil
8	19	Sand and gravel
16 1/2	16 1/2	Static water level
19	40	Sand, gravel and water
40	78	Clay
78	84	Silty sand and water
84	87	Sand gravel and water

87 Show exact depth of bottom

50,631

GWS

File No.

DUPLICATE

Section No. 3

T. *13W* R. *20W* *146*
County *Missoula*
RECEIVED
DEC 20 1963

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

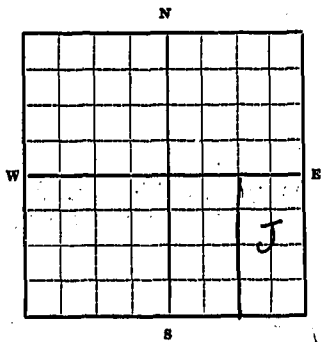
Owner *ALBERT H. STOLIN*, Address *RT. MISSOULA*

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. *SPRING AT ground level*



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

..... 1/4 Sec. *12* T. *13W* R. *20W*
Indicate point of appropriation and place of use, if possible.

IRRIGATION - April thru Oct.

20 MINERS INCHES

STACK WATER - YEAR ROUND

150 GPM PER DAY

Signature of Owner *Albert H. Stolin*

Date *11/9/63*

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 School of Mines and Quadruplicate for the Appropriator.

451

214526

Copy
I received and filed this instrument for
record on the 19 day of Dec 1963
at 11:30 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By Walter J. O'Fallon Deputy
Fee \$ 2.00 Paid

File No. _____

DUPLICATE

T. 13^N R. 20^W

County Missoula

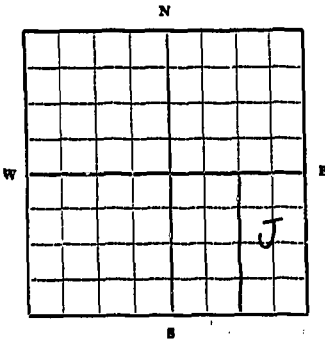
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 20 1963

STATE ENGINEER

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

1. Albert A. Stovick, Sr. 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:



$\frac{1}{4}$ Sec. 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 Household AND IRRIGATION
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Approx. 1900 - continuous
Use of water started Nov. 1959
on purchase of property - continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 g.p.m.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Approx. 9 Acres E. 1/4 of SE 1/4
S. 1/4 T. 13N
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Prior to 1900

8. The depth of water table 15 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well, driven 10 ft.
Dug about 20 ft. to rock bottom. Has 4 in casing. Total depth 30 ft.

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record This well has a spring
which flows to ground level about 15 ft.
south of well.

Signature of Owner Albert A. Stovick, Sr.
Mr. Albert G. Stovick
Date 11/29/63

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.

452

2145-26

I received and filed this instrument for
 record on the 18 day of Dec 1950
 at 11:30 o'clock A.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By Martin S. Behner Deputy
 Fee \$ 1.00 Paid

307-0-10

DUPLICATE Bill _____ McDermott _____
 Butzerin _____ McNulty _____
 Coyle _____ Morton _____
 Darlington _____ Sullivan _____
 Dickert _____
 Missoula
 Ravalli County

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Top of Ground
 Approx
 (Elev. above sea level 3200...)
 0 - 14 Tan sandy silty clay.
 14 - 24 Tan silty sand with some gravel imbedded.
 24 - 31 Silty sandy gravel mixed with tan clay.
 31 - 65 Tan sandy clay with some gravel imbedded.
 65 - 70 Tan clay and silt.
 70 - 73 Tan silty clay
 73 - 83 Tan silty sand
 83 - 85 Fine sand and gravel. Some sandy stratas.
 85 - 87 Clean coarse sand and gravel.
 Water.

Notice of Completion of Groundwater Appropriation by Means of Well

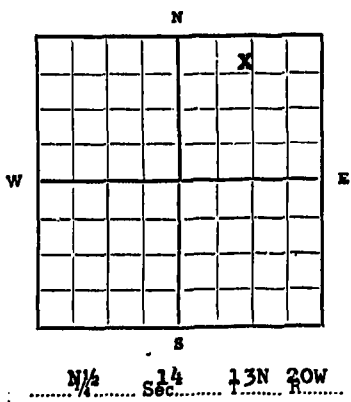
(Under Chapter 237, Montana Session Laws, 1961)
 Florence C. Richard F. Kulawinski Missoula, Montana
 Owner Address
 Liberty Drilling Co. Missoula, Montana
 Driller Address

Date of Notice of Appropriation of Groundwater Non-filed
 Date well started August 3, 1964 Date Completed August 5, 1964
 Type of well Drilled Equipment Used Cable Tool
 (dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic (X) Municipal () Stock () Irrigation (X)
 Industrial () Drainage () Other ()

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

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 by 1/4"	+1	87'	NONE		



Static Water Level for non-flowing Well Twenty one feet.
 Shut-in Pressure for Flowing Well Non-flowing
 Pumping Water Level 45 feet at 40 gal. per minute.
 Discharge in gal., per min. of flowing well Non-flowing
 How Tested Air lift pump Length of Test Six 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) All water is entering the well through the open bottom of the six-inch casing.

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

Show exact depth of bottom
 Bottom of hole 87'2"

52
 Driller's License Number
 William F. Culhane
 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 School of Mines and Quadruplicate for the Appropriator.

40807

14
024

INDEXED

246537

I received and filed this instrument for record on the 2nd day of Feb, 1966, at 4:50 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
 Verance B. Crouse, County Recorder
 By Marilyn A. Head, Deputy
 Fee \$ 27.00 Paid cash

STATE WATER COMPLETION BOARD

CLD 4 30

2
 This instrument is a duplicate of the original instrument filed for record in the office of the County Recorder, Missoula County, Montana, on the 2nd day of February, 1966, at 4:50 o'clock P.M. The original instrument is on file in the office of the County Recorder, Missoula County, Montana.

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

Owner Danny Rude
Address #8 Emerald Addition Missoula
Location T. R. Sec.
Doc. No. 311339 #2219

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

Special Instructions:

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

Thank you.

RECEIVED

13N 20W
MISSOULA
H.W.D.
14

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

JAN 6 1972

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Donny D. Rude & Betty J. Rude
 Address U. B. Emerald Addition, Missoula, Montana 59801
 Date well started Sept. 22, 1971
 completed Sept. 23, 1971

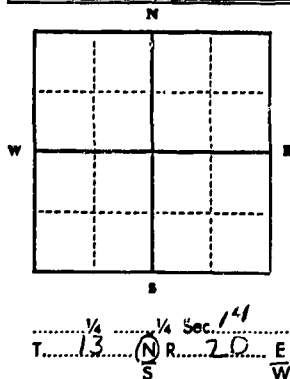
For Administrator's Use
File <u>311337 - # 2212</u>
<u>Jan 4, 1972 4:35 P.M.</u>
GW 1

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
6" I.D.	6" I.D. 17 lb above per ft. g.l.	1'	23'			



Static water level 18 ft.*
 Pumping water level 38 ft.*
 at 100 gallons per minute,
 measured 9 minutes after pumping began.
 *Measured from ground level.
 Well developed by compressor
 for 77 hours.
 Power: Does not pump apply HP
 Remarks: (Gravel packing, cementing, packers, type of shutoff)

Top of Ground (Elev. above sea level)		
From (Foot)	To (Foot)	
0	6	Sand
6	16	Sandy Clay
16	28	Sand, small gravel & water
28	67	Clay & Gravel
67	73	Sand & water
73	80	Clay
80	88	Sand & water
88	93	Sand Gravel & water

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

Driller's Signature Philip G. Bakke
 Driller's Address 1522 S. 14th St., Missoula, Montana 59801
 LICENSE NO. 7

93' Show exact depth of bottom

49673

1249
~~1249~~

311339

I received and filed the following
return on the 1st day of Jan 1928
at 4:30 o'clock P.M.
of Missile County, State of
Witness my hand
Vermon H. Crooks County Register
by Chas. H. Tucker Deputy
Fee \$2.00 cash Paid

File No.

T. 13N R. 20W

DUPLICATE

County Missoula

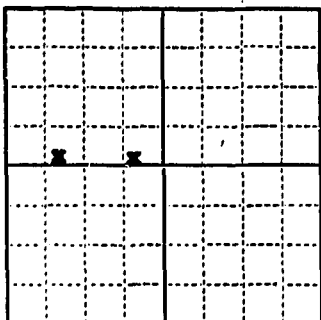
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, W. EDWIN STAHL, 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:



Sec. 14T. 13N. 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.....
Well No. 1 - 1948
Well No. 2 - 1955
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
Well No. 1 - 75 gallons minute
Well No. 2 - 100 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 at dwelling and garden as well as domestic use
Well No. 2 - will be used for land irrigation - 20 acres
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
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..... Well No. 1 - 1948 Well No. 2 - 1955

8. The depth of water table..... 10 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..... Well No. 1 - 4 inch casing, 38 ft. deep
Well No. 2 - 4 inch casing 35 ft. deep. Electric motor and pump

10. The estimated amount of groundwater withdrawn each year..... 300,000 gallons

11. The log of formations encountered in the drilling of each well if available.....
Gravel, 8 ft. hardpan at 10 ft. level, then gravel for 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 W. Edwin Stahl

Date December 26, 1963

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

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

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

20391

1272

Copy
I hereby certify that a true and correct copy of the original of the above described instrument is on file in the permanent files of the County Clerk of the County of Montana.
Witness my hand and the seal of the County Recorder
By Marjorie B. Baker Deputy
Fes 8.22 Paid

RECEIVED

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

SEP 14 1972

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

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

Owner Richard Helland

Address 1011 Alice Ave.

Missoula, Mont.

Date well started 25 July 1972

completed 1 Aug. 1972

Type of well Drilled

Equipment used Churndrill

Water Use: Domestic Municipal Stock Irrigation

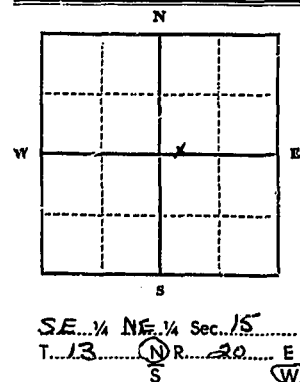
Industrial Drainage Other * Garden/Lawn

*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). 10 Acres

ESTIMATED ANNUAL WITHDRAWAL 11,000,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8 17#	24" up	190'	XXXXX	XXXXX	XXXXX



Static water level 63 ft.*
Pumping water level: 310 ft.*
at 60 gallons per minute,
measured 60 minutes after pumping
began.
*Measured from ground level.
Well developed by Mr.
for 3 hours.
Power air Pump 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 A. Beebe

Driller's Address Box 17

Box 114, Mont. LICENSE NO. 201

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	30	Finch Tan Clay
30	39	Sandy pink clay
39	96	Grey Clay
96	123	Sandy brown clay
123	169	Silty brown subd.
169	177	Silty brown subd., gravel
177	186	sand & silty clay gravel
186	190	Clean gravel / water

190 Ft. Show exact depth of bottom

2330

321874

I received and filed this instrument for record on the 11 day of Aug 1922 at 11:50 o'clock A.M. permanent files of Missoula County, State of Montana
Witness my hand,
Vernice R. Crouse, County Recorder
By Wm. S. Crouse, Deputy
Fee \$ 2.50 Paid

SIGNATURE

DATE

RECORDS SECTION

NO.	DATE	DESCRIPTION	AMOUNT	PAYEE	STATUS
1	8/11/22	...	...	...	...
2	8/11/22	...	...	...	...
3	8/11/22	...	...	...	...
4	8/11/22	...	...	...	...
5	8/11/22	...	...	...	...
6	8/11/22	...	...	...	...
7	8/11/22	...	...	...	...
8	8/11/22	...	...	...	...
9	8/11/22
10	8/11/22
11	8/11/22
12	8/11/22
13	8/11/22
14	8/11/22
15	8/11/22
16	8/11/22
17	8/11/22
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19	8/11/22
20	8/11/22
21	8/11/22
22	8/11/22
23	8/11/22
24	8/11/22
25	8/11/22
26	8/11/22
27	8/11/22
28	8/11/22	...	...	...	...
29	8/11/22	...	...	...	...
30	8/11/22	...	...	...	...

NO.	DATE	DESCRIPTION	AMOUNT	PAYEE	STATUS
1	8/11/22
2	8/11/22
3	8/11/22
4	8/11/22
5	8/11/22
6	8/11/22
7	8/11/22
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29	8/11/22
30	8/11/22

MISSOULA COUNTY, MONTANA DEEDS

File No.

T. 13 R. 20

DUPLICATE

County: Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, Calvin H. & Opal H. Gray of R#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 Domestic, livestock and irrigation
(describe lands to be benefited, if for irrigation)
Original Sub 1 & 2 ad 100

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

4. The annual period (inclusive dates) of intended use 365 days

5. The probable or intended date of first beneficial use 5-10-1963

6. The probable or intended date of commencement and completion of the well* or wells*
5-10-1963

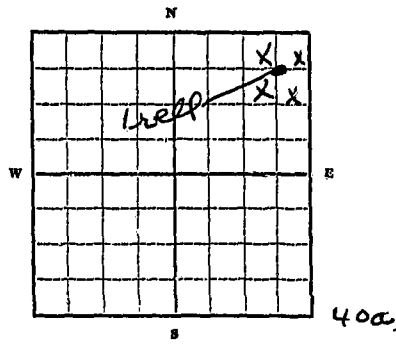
7. The location, type, size and depth of well or wells contemplated
Located approx center of land, Drilled, 12 inch casing, 200-300 ft

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

9. Name, address and license number of the driller engaged
none yet

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

unknown



NE 1/4, NE 1/4 Sec. 15, T. 13, R. 20

Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator: Calvin H. Gray

Date: 12/19/63

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

Three copies of this notice are to be filed with County Clerk and Recorder of the county in which the well is located.

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

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

749

215128

copy
I received and filed this instrument for
record on the 30 day of Dec 1963
at 11:12 o'clock A.M., permanent file
of Missoula County, State of Montana
Witness my hand:
NARLEY S. BENNER, County Recorder
By Walter S. Benner
Fee \$ 2.00 Paid

File No. MONTANA WATER RESOURCES BOARD

T. 13 R. 20 - 19

DUPLICATE RECEIVED

County Male

MAY 25 1968

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)

Irrigation system was developed when Property Date of Appropriation of Groundwater unknown

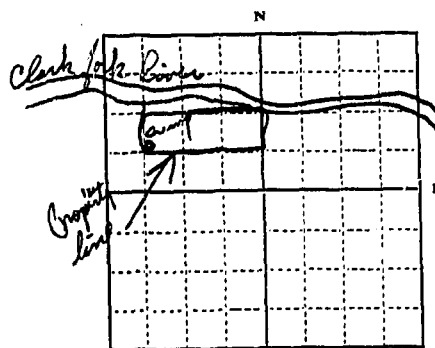
Owner, George H. Haffler Address, Rt. 1 Big Fl. Malen

Contractor (if any) unknown

Address of Contractor

Date Started, unknown Date Completed, unknown

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



Irrigation Bump with a raise of approx 3 feet

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 from

1/4 Sec. 13, 20

Indicate point of appropriation and place of use, if possible. Tract in NW 1/4 Plot B approx 10 acres

May 1st through Sept. Annually. Pump is 30 feet dia with a water level of 5 feet when not irrigating and 13 feet when irrigating

Signature of Owner D. Haffler

Date 5-22-68

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.

1793

271515

I received and filed this instrument for
record on the 22 day of May 1968
at 11:30 o'clock A.M., permanent files
of Missoula County, State of Montana
Witness my hand:
Yvonne B. Crowe, County Recorder
By *Donna A. [Signature]*, Deputy
Fee \$ 2.00 Paid 0

19

File No. _____

T. 13^N R. 20^W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

Declaration of Vested Groundwater Rights

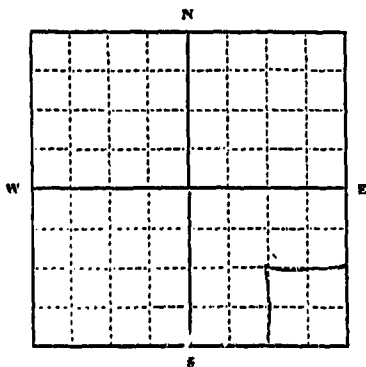
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. George Wm. Dreyfus, of 2518 Colopende 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:



Sec. 4 Sec. 19 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. Household purpose

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. app. 1952 continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 600 gal per min.

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

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

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

8. The depth of water table. unknown

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Depth 50 ft. 1 1/2" pipe pressure
1/2 horsepower motor

10. The estimated amount of groundwater withdrawn each year. Not applicable

11. The log of formations encountered in the drilling of each well if available. Blk Sand - Clay Sand

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

Signature of Owner George Wm. Dreyfus
Date 12/31/63

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.

20117

997 25471

I received and filed this instrument
recorded on the 7th day of Dec 1967
at 9:18 o'clock P. M., pursuant to laws
of Missoula County, State of Montana
Witness my hand
M. J. N. S. BISHOP, County Recorder
By Walter E. Helm Deputy
Fee \$ 2.00 Paid

ADDENDUM

Form: Declaration of Vested Groundwater Rights

Notice of Completion of Groundwater
Appropriation by Means of Well

Name of
owner:

Gale + Helen Lewis

Corrected
land description:

SE NW SW
Sec. 19 T13N R 19W

Initials: CS

File No. _____

T. 13W R 20W or
13N 19W 19
County _____

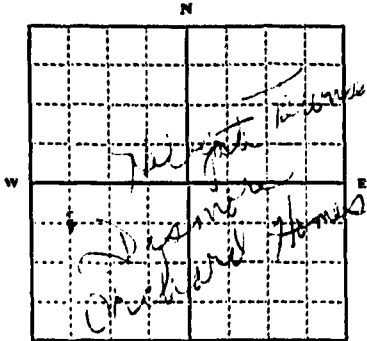
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

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

1. Gale E. & Helen S. Lewis of Route One, Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T. R.
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based As a well - private household

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 600 gal per day

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 6.00 acre per well addition of all fruit, potatoes, corn, etc. have 2 owners.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Hand dug well for irrigation - 3500 gal per hr

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

8. The depth of water table 55 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 5.8" casing

10. The estimated amount of groundwater withdrawn each year 600 gal per day

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

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 This is the only record.

Signature of Owner Gale E. Lewis Helen S. Lewis
Date Dec 30, 1963

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

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

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

681 215078

I received and filed this instrument for
record on the 20th day of Dec 1928
at 9:07 o'clock A.M., permanent files
of Mustafa County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By Martin S. Behner Deputy
Fee \$ 2.00 Paid

681
File No. 215678

T. 12N R. 7W S. 01
15N 19W
County

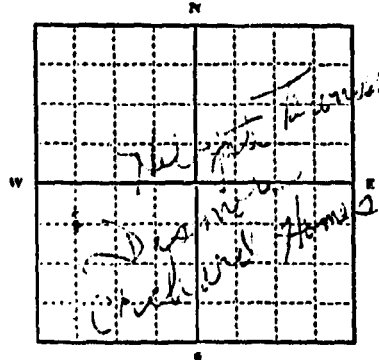
DUPLICATE

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. Gale E. & Helen S. Lewis of Route One, Missoula
Name of Appropriator (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T. R.
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based. well - private household
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. since Aug 1957 constantly
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 600 gal per day
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. 6 stone acre and 1/2 section of all about 1/2 mile from Orchard - 1/2 acre -
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pumps at 20 ft. depth. Irrigation - 3500 gal per hr
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Aug 1957
- 8. The depth of water table. 55 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. 5.5" casing
- 10. The estimated amount of groundwater withdrawn each year. 600 gal per day
- 11. The log of formations encountered in the drilling of each well if available. gravel & clay
- 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. This is the only record.

Signature of Owner Gale E. Lewis Helen S. Lewis
Date Dec. 30, 1963

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