

File No.

T. 16 R. 14

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

STATE ENGINEER

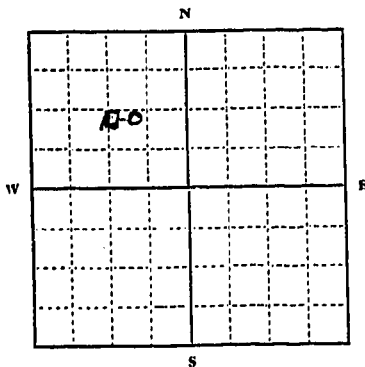
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... Summer 1946
Owner... S.S. Drew Address... Greencough, Montana
Contractor (if any) ... Not applicable
Address of Contractor ... Not applicable
Date Started... N.A. Date Completed... N.A.

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

By sub-irrigation and other natural processes - spring percolating from hillside. Depth unknown.



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.....

200 gallons; experience; continual use

NW 1/4 Sec 33 T16NR 14W

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

Symbols:

○ == point of appropriation

□ == point of use

Signature of Owner... S.S. Drew

Date... December 27, 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.

640

215001

Copy
 I received and filed this instrument for
 record on the *17* day of *Dec* 19*52*
 at *1:17* clock *PM*, permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By *Walter J. O'Neil* Deputy
 Fee \$ *4.00* Paid

□ ○

MISSOULA COUNTY RECORDERS OFFICE
 100 N. 1ST ST. MISSOULA, MONTANA
 PHONE 542-1100

32

File No.

T. 14 R. 14

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

STATE ENGINEER
**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... Summer 1962

Owner... S.S. Drew Address... Greenough, Montana

Contractor (if any) Not applicable

Address of Contractor Not applicable

Date Started..... N.A. Date Completed..... N.A.

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

..... By sub-irrigation and other natural

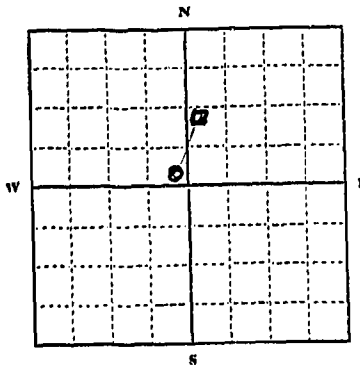
..... processes - spring percolating from

..... hillside Depth unknown

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

estimate approximate lengths of periods of use.....

..... 20 gallons; experience; continual use



NW 1/4 Sec. 33. T16N R. 14W

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

Symbols:

○ = point of appropriation

□ = point of use

Signature of Owner... S.S. Drew

Date... December 27, 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.

641

215602

Copy
I received and filed this instrument for record on the 27 day of Dec 1957 at 11:30 o'clock P.M., permanent files of Missoula County, State of Montana
Witness my hand:
MARTIN E. BRINER, County Recorder
By [Signature] Deputy
Fee \$ 0.00 Paid

RECEIVED

County Missoula

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

APR 27 1972

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 Francis H. Cooney and

Dorothy G. Cooney

Address Star Route

Huson, Montana

Date well started 9/24/71

completed 9/27/71

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Cable Tools

(Churn drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

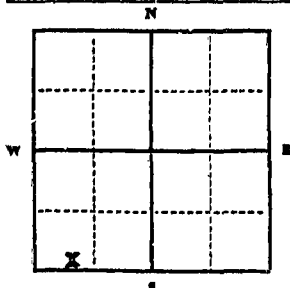
Industrial Drainage Other Garden/Lawn

*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). Approx. 10 acres

ESTIMATED ANNUAL WITHDRAWAL 3,228,800

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"	2'	31'	NONE		



SW 1/4 SE 1/4 Sec. 1
T. 15 N. R. 23
X E W

Static water level 10 ft.
Pumping water level 24 ft.
at 6 gallons per minute,
measured 60 minutes after pumping
began.

*Measured from ground level.
Well developed by Air Lift Pump
for 4 hours.

Power Electric Pump 3/4 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through open bottom of six inch casing.

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

LIBERTY DRILLING COMPANY

Driller's Signature William J. Deane

Driller's Address 2500 Reserve

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.

Top of Ground Approx. (Elev. above sea level) 3129'

From (Feet)	To (Feet)	
0	8	Gray clay
8	23	Tan clay
23	28	Tan clay with blue shale mixed in
28	31	Fractured rock with stringers of green clay
31	32 1/2	Fractured brown rock with charcoal mixed in

32 1/2' Show exact depth of bottom
Water rises in well 10' from surface.

50,269

2265

315601

I received and filed this Instrument for
record on the 21 day of April, 1914
at 10:45 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand
Veranda R. Croase, County Recorder
By J. H. H. H. Deputy
For \$ 2.50 Paid and.

File No.

T 15^N 23^R
County Missoula

DUPLICATE

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)

Owner Raymond Selton Address Hebron, Mont.
Driller Archie Renison Address Missoula, Mont.

Date of Notice of Appropriation of Groundwater.....
Date well started Sept. 1953 Date Completed Sept. 1953

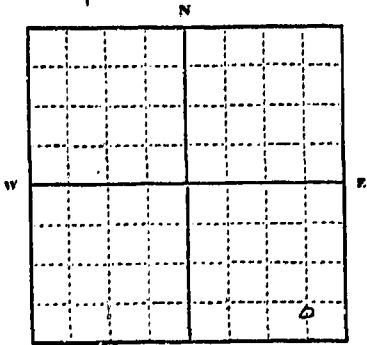
Type of well Drilled Equipment Used Drill
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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 (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
	4 in	All the way		none		

Section 15-23



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

Show exact depth of bottom.

44 ft.

Static Water Level for non-flowing Well..... 12 feet.
Shut-in Pressure for Flowing Well from top of casing
Pumping Water Level..... 12 feet at 60 gal. per minute.
Discharge in gal. per min. of flowing well.....
How Tested..... Length of Test.....

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

Archie Renison
Driller's License Number
Archie is out of business
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.

20031

831 215239

I received & filed this instrument for
record of the _____ of _____ 19 63
at _____ o'clock _____ M. permanent files
of Missoula County, State of Montana
Witness my hand:
M. S. LEHNER, County Recorder
By _____ Deputy
_____ I aid

File No.

T. 15 N. R. 23 W.

DUPLICATE

County Missoula

STATE OF MONTANA RECEIVED
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERS 1963

Top of Ground
(Elev. above sea level 3000)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Raymond Felton Address: Huson, Mont

Driller: Same Address: Same

Date of Notice of Appropriation of Groundwater:

Date well started: Apr. 4, 1963 Date Completed: Nov. 10, 1963

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

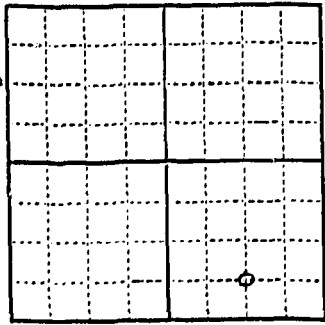
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind and Size	From (Feet)	To (Feet)
4 in	4 in.	1 ft.	37 ft.	1 in. diameter	bottom to	6 feet up.

water bearing gravel
soil & gravel
Clay
gravel

Water level

Section 1-15-23



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

Static Water Level for non-flowing Well: 20 feet from top of casing

Shut-in Pressure for Flowing Well:

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

Discharge in gal. per min. of flowing well: not a flowing well

How Tested: Length of Test:

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

Show exact depth of bottom.

37 ft.

Driller's License Number

Raymond Felton

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.

20032

832 215240

I received & filed this instrument
record on the 21st day of Dec. 1963
at 10:00 o'clock A.M., permanent files
of Kansas County, State of Missouri
Witness my hand
M. S. REYNOLDS, County Recorder
By Mark A. [Signature] Deputy
[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: John Green
Address: Nine mile Road
Missoula, Montana
Date well started: April 17, 1973
completed: April 22, 1973

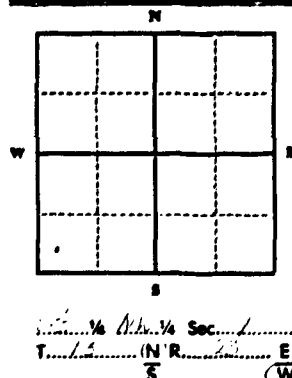
For Administrator's Use	
File	<u>2465, 330946</u>
Date	<u>April 30, 1973</u>
Time	<u>4:25 p.m.</u>

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

*Describe new domestic
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" ID</u>	<u>6" ID 17' OAS</u>	<u>1st down</u>	<u>55' 9"</u>			



Static water level 40' 6" ft.
Pumping water level 40' 10" ft.
at 30 gallons per minute,
measured 60 minutes after pumping
began.
*Measured from ground level.
Well developed by Bailing
for 1 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: Kenneth Magallon
Driller's Address: 1420 Clement Rd
Missoula, Montana LICENSE NO. 227

RECEIVED

County: Missoula

APR 24 1973

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 (Foot)	To (Foot)	
<u>0</u>	<u>1</u>	<u>Top Soil</u>
<u>1</u>	<u>20</u>	<u>Gravel - Rocks</u>
<u>20</u>	<u>25</u>	<u>Sand</u>
<u>25</u>	<u>26</u>	<u>Clay</u>
<u>26</u>	<u>55</u>	<u>Light tan Sand & gravel</u>
<u>55</u>	<u>55.9</u>	<u>Water found</u>

55' 9" Show exact depth of bottom

RECEIVED

JAN 16 1973

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GROUNDWATER
INDIAN RESERVATION
HEIGHT

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.

Top of Gro

From (Feet)	To (Feet)
0	1
18	2
23	3
35	4
43	5
47	5

Owner **Ronald K. Des Jardins**

Address **Nine Mile Road**

Huson, Montana

Date well started **Dec. 20, 1972**

completed **Jan. 12, 1973**

For Administrator's Use
2400; 326985
Jan 16 1973
GW 1:00 P.M.

Type of well **Drilled**

(Dug, driven, bored or drilled)

Equipment used **Churn drill**

(Churn drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

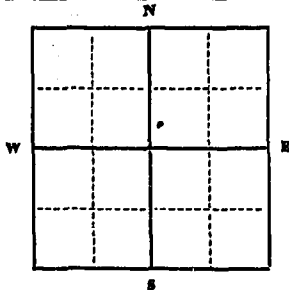
Industrial Drainage Other * Garden/Lawn

*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 **1,500,000 gallons**

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 17#	1 up	42 1/2	---	---	---
6"	5" plus	41 1/2	54 1/2	1/8x3 slots	43	53



S.W. 1/4 N.E. 1/4 Sec. 1
T. 15 N. R. 23 E

Static water level **38** ft.*
Pumping water level **43** ft.*
at **6** gallons per minute,
measured **120** minutes after pumping began.

*Measured from ground level.
Well developed by **Bailer**
for **3** 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 *Charles H. Hester*

Driller's Address **C.K.C. Drilling, P.O. Box 679,**

Missoula, Montana LICENSE NO. **185**

#2400

326985

I received and filed this instrument for
 record on the 16 day of Jan 1973
 at 1:00 o'clock P. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Dorothy L. Head, County Recorder
 By D. L. Head Deputy
 Fee \$ 2.00 Paid

RECORDED

MISSOULA COUNTY

RECORDED

RECORDED
 MISSOULA COUNTY
 JAN 16 1973

MISSOULA COUNTY

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED

DRILLER'S LOG

**NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL**

MAR 29 1973

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

Developed after January 1, 1962

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

(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 Arthur J. Kammerer
Address Nine Mile Road
Huson, Montana
Date well started Feb. 5, 1973
completed Mar. 7, 1973

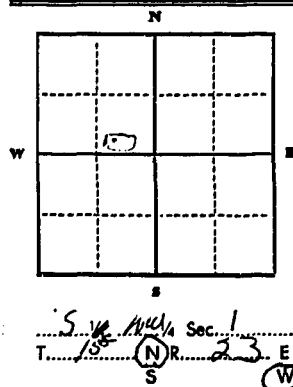
For Administrator's Use	
File	<u>2444, 329732</u>
	<u>MARCH 27, 1973</u>
GW 1	<u>2:00 p.m.</u>

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

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

ESTIMATED ANNUAL WITHDRAWAL 2,500,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 17#	1 up	63 1/2	---	---	---



Static water level 44 ft.*
Pumping water level 48 ft.*
at 30 gallons per minute,
measured 60 minutes after pumping
began.
*Measured from ground level.
Well developed by Bailer
for 2 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 Charles J. Hillenstene
Driller's Address G.K.G. Drilling, P.O. box 670,
Missoula, Montana LICENSE NO. 185

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	3	Topsoil
3	17	Sand, gravel, and clay
17	27	Clay
27	44	Sand, gravel and clay
44	44	Static water level
44	63 1/2	Sand, gravel, water and traces of clay

63 1/2 Show exact depth of bottom

329732

I received and filed this Instrument for
record on the 27 day of May 1973
at 2:00 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By [Signature] Deputy
Fee \$ 2.00 Paid

2117

301906

Received and filed this instrument for
record on the 26 day of April 1971
at 10:00 o'clock P.M. in the office of
of Missouri County State of Missouri.
Witness my hand
Veronica E. Cross, County Recorder
271-275 Deputy
10-2-00

RECEIVED

County Missoula

OCT 26 1972

DRILLER'S LOG

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

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 Lavin Muro

Address _____

For Administrator's Use	
File	<u>2387-333764</u>
Date	<u>Oct. 24, 1972 - 3:00 p.m.</u>
GW	<u>1</u>

Date well started Sept 7, 1972

completed Sept 11, 1972

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

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

Water Use: Domestic Municipal Stock Irrigation

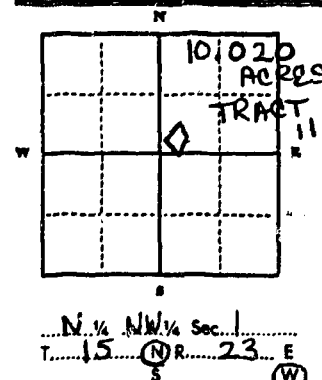
Industrial Drainage Other Garden/Lawn

*Describe new home site

USE: If used for irrigation, industrial, drainage or other. Explain, state a 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 Coupling	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>5" ID</u>	<u>5" ID 0.258</u>	<u>14' Down</u>	<u>39' Bedrock</u>	<u>none</u>		



Static water level 40' ft.
Pumping water level 2' ft.
at 3 gallons per minute,
measured 120 minutes after pumping
began.
*Measured from ground level.
Well developed by pumping
for 4 hours.
Power 3/4 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)
Gravel - Bedrock

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>0</u>	<u>Gravel and rocks</u>
<u>9</u>	<u>23</u>	<u>Clay (Green)</u>
<u>22</u>	<u>37</u>	<u>Gravel (Some clay) High</u>
<u>40</u>		<u>Water level</u>
<u>52</u>	<u>59</u>	<u>Clay (Green)</u>
<u>58</u>	<u>61</u>	<u>Gravel - Water</u>
<u>61</u>		<u>Bedrock</u>

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

Driller's Signature [Signature]
Driller's Address 1420 Clements Rd
Missoula, Mont LICENSE NO. 227

61'-2" Show exact depth of bottom

357

323764

I received the first this instrument for record as of 24th Oct 1912
 in \$100.00 & more permanent title
 in Wisconsin State of Lincoln
 Whom at 1022
 Village & Green County Records
Caroline Douglas DeZure
 a \$2.00 notary fee

Caroline Douglas DeZure

Caroline Douglas DeZure
 1022
 Village & Green County Records
 Lincoln Wisconsin

How purchase

210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220

Caroline Douglas DeZure	O	P	62	101
Caroline Douglas DeZure	P	62	101	101
Caroline Douglas DeZure				
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Caroline Douglas DeZure				
Caroline Douglas DeZure				
Caroline Douglas DeZure				

1/1/1911

406

RECEIVED County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

FEB 22 1973

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, thick-
ness 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 Dave Lerha

Address 9 mile road
Deer Mountain

Date well started 2/10/73

completed 2/11/73

For Administrator's Use
File <u>2417:328095</u>
<u>February 16, 1973</u>
GW 1 <u>11:35 a.m.</u>

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

Equipment used Driller
(Churn drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

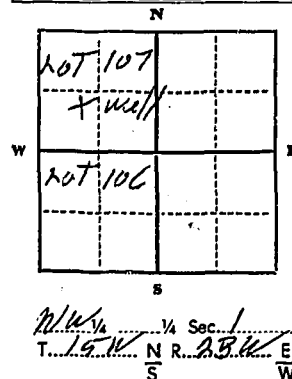
Industrial Drainage Other * Garden/Lawn

*Describe N/A

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>4"</u>	<u>4" sch 40</u>	<u>2'</u>	<u>63'</u>	<u>56TS</u> <u>3/16 x 6'</u>	<u>57'</u>	<u>63'</u>



Static water level 45' ft.*
Pumping water level 42' ft.*
at 30 gallons per minute,
measured 2 minutes after pumping
began.

*Measured from ground level.
Well developed by Compliance
for 5 hours.
Power gasoline Pump 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 Stangle

Driller's Address Western Drilling and Operating
Route 1 Big Flat Missoula
Mont LICENSE NO. 238

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>8'</u>	<u>CLAY & GRAVEL</u>
<u>8</u>	<u>12</u>	<u>CLAY</u>
<u>12</u>	<u>20</u>	<u>CLAY & ROCK</u>
<u>20</u>	<u>28</u>	<u>SAND</u>
<u>28</u>	<u>35</u>	<u>CLAY</u>
<u>35</u>	<u>49</u>	<u>CLAY & GRAVEL</u>
<u>45</u>		<u>STATIC WATER</u>
<u>49</u>		<u>AIR BLOWING FROM WELL</u>
<u>49</u>	<u>56</u>	<u>CLAY</u>
<u>56</u>	<u>63</u>	<u>GRAVEL</u>

63' Show exact depth of bottom

County Missoula

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
 Developed after January 1, 1962
 (Under Chapter 237 Montana Session Laws, 1961, as amended)

RECEIVED
 APR 17 1973

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 depth to which water rises in well.

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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 T.H. Soldowski
 Address 417 Woodford
Crissall
 Date well started April 20, 1973
 completed April 2, 1973

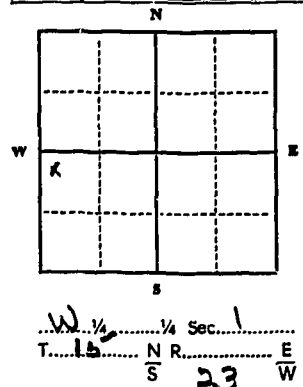
For Administrator's Use	
File	<u>330.330; 21149</u>
Date	<u>April 9, 1973</u>
GW	<u>10:15 A.M.</u>

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

*Describe Home Domestic
 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)
<u>5" I.D.</u>	<u>5" I.D. 2AS</u>	<u>16' above ground</u>	<u>51' above ground</u>	<u>None</u>		



Static water level 31' ft.*
 Pumping water level 31' ft.*
 at 30 gallons per minute,
 measured 10 minutes after pumping
 began.
 *Measured from ground level.
 Well developed by Billy
 for 1 1/2 hours.
 Power Pump HP
 Remarks: (Gravel packing, cementing,
 packers, type of shutoff)

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>16</u>	<u>Rock - gravel</u>
<u>16</u>	<u>18</u>	<u>Clay</u>
<u>18</u>	<u>26</u>	<u>Clay - gravel</u>
<u>26</u>	<u>49</u>	<u>Gravel</u>
<u>31</u>	<u> </u>	<u>Static level</u>
<u>49</u>	<u>53</u>	<u>Gravel - water</u>

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.
 Driller's Signature Kenneth Graystock
 Driller's Address 1420 Clement
Missoula, Montana LICENSE NO. 227

53' 4" Show exact depth of bottom

2953

330593

I received and filed this instrument for
record on the 13 day of Apr 1973
at 12:25 o'clock P. M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By Mary Bealley, Deputy
Fee \$ 2.00 Paid ✓

GW 1

Approved Stock Form—State Publishing Co., Helena, Montana—4563

File No. _____

T. 15 R. 23 W. County Missoula 12

DUPLICATE

MONTANA WATER RESOURCES BOARD RECEIVED

LOG DEC 29 1968

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level _____)

GL top soil
2' tan clay, boulders & gravel
11' gray clay, sand, & gravel
40' bedrock
140'

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner PAUL CAMPANELLO Address _____

Driller KEN WILLIAMS WELL DR. Address 1558 So. 5th W. MISSOULA, MONT.

Date of Notice of appropriation of groundwater _____

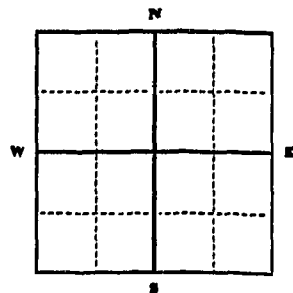
Date well started OCT. 11, 68 Date completed OCT. 29, 68

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I.D.	6-5/8" O.D. 4" side-wall 17 lbs.	ground level	140'			



Static Water Level for non-flowing well _____ 25 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level _____ 135 feet at _____ 1 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested ball test

Length of Test 8 hours

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

1/4 Sec 17 T. 15 R. 23 W. Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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.

161 Driller's License Number

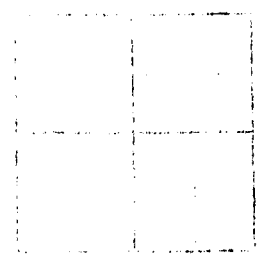
Ken Williams Driller's Signature

44, 878

1847

277286

I received and filed this instrument for
 record on the 18 day of Dec. 1962
 at 1:53 o'clock P.M. permanent files
 of Missoula County, State of Montana
 Witness my hand.
 Vermae R. Crouse, County Recorder
 By *William C. Orange* Deputy
 Fee \$2.00 Pd *cash*



MISSOULA COUNTY CLERK
 MISSOULA, MONTANA

GW3

File No. _____

DUPLICATE

Handwritten: S.W.

T 15 N R 25 W

Handwritten: 12

County Missoula

RECEIVED

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)

October 1, 1962

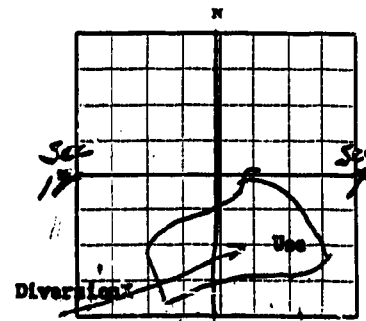
Date of Appropriation of Groundwater: October 1, 1962
L. M. Stewart & Fred L. Cavill, 4607 North Ave., W/
Owner: Partners Address: Missoula, Montana

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed Oct. 1, 1962

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



Dam and diversion ditches, all on land owned by
appropriators, in Section 7, T 15 N, R 22 W and
Section 12, T 15 N, R 25 W.

Quantity of water developed and used with explanation of method used to measure for estimate such amount. If use is intermittent estimate approximate lengths of periods of use _____

Diversion in
Co SE 1/4 Sec 12 T 15 N R 25 W
Indicate point of appropriation and place of use, if possible.

Summer use, approximately May 1 to October 31 each
year, of all the flow of Crossall Creek amounting
to approximately 50 inches or the amount passing
a gate opening 8 inches deep and 10 inches wide.

L. M. Stewart
Fred L. Cavill
Signature of Owner L. M. Stewart
Fred L. Cavill

Date October 1, 1962

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.

#159

198880

I received and filed this instrument for
record on the 27th day of Feb 1962
at 1:45 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN E. BEHNER, County Recorder
By Dorothy Head Deputy
Fee \$ 2.00 Paid

County Missoula *D.J.B.*

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 ALAN BROTH

Address RIDGE WOOD RANCH #2353, 323025

9 Mile (Husan Mont) Oct. 17, 1972 12:17 pm

Date well started AUG 31, 1972 GW 1

completed SEPT 3, 1972

For Administrator's Use	
#	DATE
2353; 323025	Oct. 17, 1972 12:17 pm

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

Equipment used DRILL
(Cable drill, rotary or other)

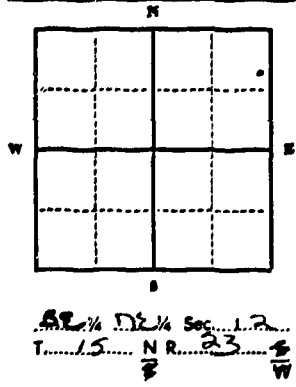
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other Garden/Lawn

*Describe Bedroom House & Livestock Use

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 # 8 RIDGE WOOD RANCH #2353

ESTIMATED ANNUAL WITHDRAWAL APPROX 45 GAL PER MIN

Size of Existing Well	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
3" 1/2	5" SCH 40	0'	65'	SCOFFS 1/2" x 5"	59'	64'



Static water level 34 ft.*
Pumping water level 36 ft.*
at 30 gallons per minute,
measured 30 minutes after pumping
began.

*Measured from ground level.
Well developed by R.R. Corp.
for 6 hours.

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

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

Driller's Signature George Stumpf

Driller's Address Western Drilling & Excavating
Route 1 Big Flat Mtn. Mont. LICENSE NO 238

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'	2'
2'	7'
7'	10'
10'	30'
30'	41'
41'	47'
47'	52'
52'	65'

65' Show exact depth of bottom

2353

323075

I received and filed this instrument for record on the 10 day of Oct. 1928 at 12:17 o'clock P. M. permanent files of Missoula County, State of Montana. Witness my hand. Veranda R. Grimes, County Recorder. By J. Beezy Deputy. Fee \$ 2.00 Paid

10/10/28
 10/11/28
 10/12/28
 10/13/28
 10/14/28
 10/15/28
 10/16/28
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 10/30/28
 10/31/28

7

MISSOULA

RECORDS

MISSOULA COUNTY RECORDS
 100 N. W. 1st St.
 MISSOULA, MONTANA
 PHONE 1234

File No. _____

T. S. N. R. 23-W 12

DUPLICATE

County Missoula

LOG

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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

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

0 - 21 top soil

Owner: D. H. LeDoux Address: Nine mile

21 - 25 sand & gravel

Driller: Harold K. Pickens Address: 3624 So. Ave. Miss.

25 - 45 clay & some gravel

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

Date well started: 12/19/67 Date completed: 12/22/67

45 - 82 red clay

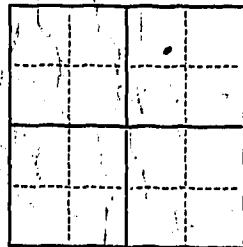
Type of well: Drilled Equipment used: cable tool
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

52 - 61 gravel & water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 inch	5 in. I.D. 14.62 # per ft.	0	61	None		



Static Water Level for non-flowing well
22 ft. of top feet.

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

Pumping Water Level 22 ft. of top feet
at 25 gal. per minute.

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

How Tested: compressor

Length of Test: 2 1/2 hrs.

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

12
N.M.N.C. Sec. 12 T.S.N.R. 23-W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Doc. No. #23791325206
Filed for record
this 29th day of November
A. D. 19 78, at 12:00
o'clock P.M.

(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.
61 ft.

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.

71
Driller's License Number
Harold K. Pickens
Driller's Signature.

51943

2379

325-206

I received and filed this instrument for
 record on the 29 day of Nov 1972
 at 12:02 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand
 Verranus R. Gregg, County Recorder
 By Alan Skelton Deputy
 Sec'y 2:00 cash paid

RECORDED
 MISSOULA COUNTY
 MONTANA
 NOV 29 1972

APPROVED FOR THE DEPT. OF REVENUE
 BY _____

GW

Approved Stock Form—State Publishing Co., Helena, Montana—4

121

File No. _____

MONTANA WATER BOARD

T. 15 N. R. 23 W

DUPLICATE

County Missoula

LOG

JUN 17 1970

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



Top of Ground
(Elev. above sea level.....)
13' clay and gravel
9' brown clay
28' brown clay with pea gravel
3' red silt, sand and water
25' brown clay, gravel and trace of water
12' blue clay and water

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

(Under Chapter 237, Montana Session Laws, 1961)

Nine Mile Area

Owner Wilma Lewis Address Missoula

Driller Kane Water Well Drilling Address St. Regis

Date of Notice of appropriation of groundwater 8/10/67

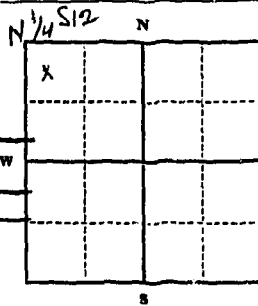
Date well started 8/14/67 Date completed 8/18/67

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" id	6"x.250	0	63 1/2	does not apply		



Doc. No. 292096
Filed for record
this 11 day of June
A. D. 19 70, at 4:25
o'clock 9 M.

Static Water Level for non-flowing well 66 feet.

Shut-in Pressure for Flowing Well x

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

Discharge in gal. per min. of flowing well x

How Tested bailed and pumped

Length of Test 5 hours

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

Gravel packed from 77' to 90'

Sec. 12, T. 15 N. R. 23 W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

90' 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.

25
Driller's License Number

Eugene M. Kane
Driller's Signature

46576

2 292096

I received and filed this instrument for record on the 11 day of June, 1970 at 4:37 o'clock P.M. permanent time of Missoula County, State of Montana
Witness my hand:
Vernon B. Crouse, County Recorder
By M. M. [Signature] Deputy
Fee \$ 2.00 cash add

RECORDED
INDEXED
JUN 11 1970
MISSOULA COUNTY

0

MISSOULA COUNTY

499

333079

I received and filed this instrument for
record on the 6 day of June 1923
at 12:50 o'clock P. M., permanent files
of Missoula County, State of Montana
Witness my hand:
Dorothy L. Head, County Recorder
By Bruce A. Kelly Deputy
Fee \$ 2.00 Paid

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

SEP 24 1971

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

Owner JACK B. MCFARLAND

Address

Date well started SEPT. 13, 1971

completed SEPT. 16, 1971

For Administrator's Use	
File	<u>307720</u>
	<u>September 20, 1971</u>
	<u>3:00 PM</u>

Type of well DRILLED

(Dug, driven, bored or drilled)

Equipment used CHURN

(Churn drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

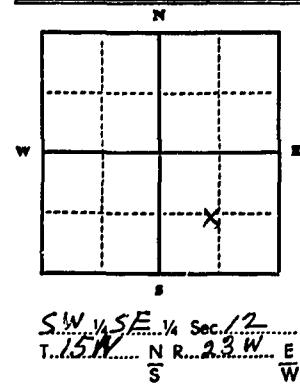
Industrial Drainage Other * Garden/Lawn

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>6" I.D. 6-5/8" OD</u>	<u>17 lbs. 1/4" side-wall</u>	<u>ground level</u>	<u>76' 6"</u>	<u>none</u>	<u>none</u>	<u>none</u>



Static water level 71' 6" ft.*
Pumping water level 74 ft.*
at 7 gallons per minute,
measured 90 minutes after pumping
began.
*Measured from ground level.
Well developed by bail test
for 6 hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
GL	21'	<u>tan clay, gravel and boulders</u>
21'	32'	<u>green clay and gravel</u>
32'	38'	<u>green clay with blue shale imbedded</u>
38'	57'	<u>dark gray clay and shale</u>
57'	76' 6"	<u>blue and green shale with seeps of water</u>

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

Driller's Signature Genneth J. Wilkin

Driller's Address 1558 So. 5th W. MISSOULA, MONTANA

LICENSE NO. 151

76' 6" Show exact depth of bottom

2183

307720

I received and filed this instrument for
record on the 20th day of Sept. 1911
at 11:00 o'clock P. M. permanent file
of Missoula County State of Montana
Witness my hand
Vernon R. Cross, County Recorder
By W. H. [unclear] Deputy
Fee \$ 0.25 Paid

Remove
sheet to
fit shirt
paper.
Series

GROUNDWATER INDEX

County Missoula Twp. 15N Rge. 22W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
7	Heine, Arthur	MW2	266042	
7	Johnson, Maxie	MW2	275480	
7	Montgomery, Paul	MW4	291437	
7	Weber, William & Lucille	MW3	280163	
11	Nagy, Roger	MW2	333427	
11	O'Brien, Harlan	MW2	312369	
11	Peter, Edward C.	MW3	284275	
12	Quinn, Betty	MW4	215072	
14	Chadwell, Earl K.	MW3	290495	
14	Luse, Heldon D.	MW2	291586	
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14	Foudesen, R. E. & son	MW2	314 173	
14	Nether, Dale	MW2	312436	
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14	Scheller, Al	MW3	215159	
14	Scheller, R. J. ^{sumo}	MW34	215157	
14	Scheller, B. J.	MW4	215156	
14	Shiner, Fay	MW3	299941	
15	Seeler, Ben & Barb	MW2	333838	
15	Schiffer, Loretta C.	MW4	215212	
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17	Harrington, Charles U.	MW4	215217	
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17	Harrington, Charles U.	MW3	215218	
17	Harrington, Charles U.	MW2	325727	
17	Harrington, Donald L.	MW4	214747	
17	Reyes, N. B. (Mrs)	MW2	290035	
17	Richardson, Robert E.	MW4	215414	
17	Sorensen, Carl	MW2	326887	
17	Wilson, Glen	MW2	319579	
20	Farrell, John	MW2	303820	
20	Milbert, Ernest	MW3	215187	
20	Milbert, Ernest	MW2	300495	
20	Milbert, Ernest	MW2	300494	
20	McCullum, Ernest	MW2	334240	
20	Tray, Donald C.	MW2	281451	
20	Walker, B. D. (Rev.)	MW2	291642	
21	Anderson, Percy & Hal	MW2	257368	
21	Fisher, Frank A.	MW2	282122	
21	St. John, Leland R.	MW2	324618	
23	Covill, John A.	MW2	282681	
23	Courser, William	MW2	267384	
23	Parker, Dean	MW2	307501	
23	Tantlinger, John	MW2	317129	
23	Walterskirchen, W. M.	MW1	215533	Filed in 6/15/62

GROUNDWATER INDEX

County Missoula Twp. 15N Rge. 22W

continued...

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
23	Williams, Dennis	MW 2	?	
23	Zinger, Joe & Phyllis	MW 2	310069	
24	Rose, David J.	MW 5	215492	
24	Scheller, R.P.	MW 5	214879	
25	Curl, Kenneth & Francis	GW 1	533906	Filed in GW-15 No. 6 N-2
25	Thursett, James L.	MW 2	305767	
25	Selmon, John C.	MW 2	314942	
25	Selmon, John C.	MW 2	295860	
25	Rice, McCoy	MW 2	306612	
25	Rice, Robert	MW 2	306607	
25	Rose, Raymond J.	MW 4	215031	
25	Rose, Raymond J.	MW 2	285249	
25	Scheller, Ralph P.	MW 3	213587	
25	Scheller, Ralph P.	GW 4	213586	
26	Bordurant, F.A.	MW 2	234957	
26	Heare, Allen	MW 2	256651	
26	Johnson, Dale	MW 2	291858	
26	Jones, A.C.	1957 309	174245	
26	Williams, Dennis W.	MW 5	323318	
28	Clomstrom, Alan	MW 2	225550	
28	Heckman, Murray C.	MW 1	215461	Filed in GW-15 No. 6 N-2
28	Aberington, Donald R.	MW 1	214746	
28	Purchner, Leroy H.	MW 2	205020	
28	Millhouser, Harry	MW 2	261444	
28	Dugy, William A.	MW 2	240953	
32	Russell, Martha M.	MW 5	215100	
33	Wicks, Ken	MW 2	1985	
34	Cyr, Phillip	GW 4	201734	
?	Brough, Wayne	GW 2	246723	
?	MacDonald, William	MW 2	252657	
?	Schumann, Paul	GW 4	214871	
7	Stewart, L. M.	GW 2	197430	
7	Swanson, Robert D.	2	270752	
23	Stetler, Daniel L.	2	256585	
7	Hopper, Du...	GW 2	285398	

File No. _____

MONTANA WATER RESOURCES BOARD

T. 15 R. 22 7

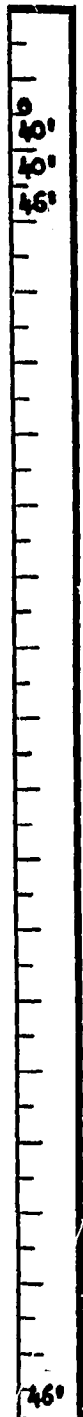
DUPLICATE

RECEIVED

County Missoula

NOV 28 1967

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



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

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Clay & Gravel

Gravel & Water

Owner Arthur Heine Address Nine Mile Creek

Driller John Farrell Address Artes

Date of Notice of Appropriation of Groundwater _____

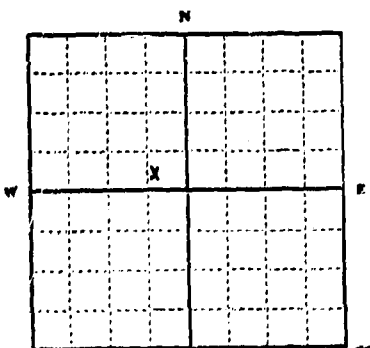
Date well started June 23 1967 Date Completed June 25 1966

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 1897	0	46			



10m. Lot 18, Redwood Ranchette
SE 1/4 NW 1/4 Sec. 7 T. 15. R. 22
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 23 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 42 feet at 39 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Bailer Length of Test 1 Hour

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

14
Driller's License Number

John Farrell
Driller's Signature

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

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

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

42, 568

#1762

266042

I received and filed this instrument for
 record on the 24 day of Nov 1967
 at 2:30 o'clock P.M., in file
 of Missoula County, State of Montana
 Witness my hand:
Thomas E. Grouse, County Recorder
Paul B. Schmitt, Deputy
 Fee: 2.50 Paid

RECEIVED
 NOV 24 1967

RECORDED
 NOV 24 1967

ADDENDUM

Form: Declaration of Vested Groundwater Rights

Notice of Completion of Groundwater
Appropriation by Means of Well

Name of
owner: Dee Hopper

Corrected
land description: 1 SE 1 SW
Sec. 7 T 15N R 22W

Initials: CS

15N 22W 7

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

Recently a copy of a groundwater appropriation form,

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

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

This form is identified by

Owner Dee Hopper

Nine Mile Creek

Address Frenchtown, Montana 59834

Location _____

Document No. 285398

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

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

Please indicate exact location of well site by Township, Range, Section.

Other.

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

Douglas G. Smith

GW 2

5N 22W 7

Approved Stock Form—State Publishing Co., Helena, Montana—42329

File No.

DUPLICATE

T 15N R 23W sec 12
or 15N 22W sec 7
County Missoula

LOG

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 14 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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

(Under Chapter 237, Montana Session Laws, 1961)



15' Gravel
25' Clay & Gravel
32' Clay
38' Gravel Sand & Water

Owner Dee Hopper Address Nine Mile Creek

Driller John Farrell Address Arlee Mont

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

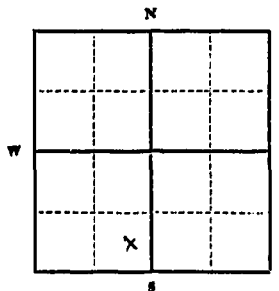
Date well started Sept. 2 1969 Date completed Sept. 3 1969

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)
5"	5" 14#	0	38			



Static Water Level for non-flowing well 25 feet.

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

Pumping Water Level..... 28 feet at..... 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested..... Pump

Length of Test..... 1 1/2 Hrs

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

..... 1/4 Sec. T. 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).

*Part of Lot # 18
Kriegewand
Ranchettes*

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

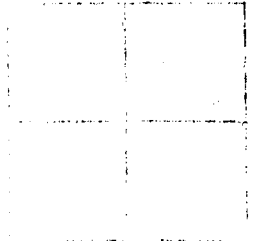
John Farrell
Driller's Signature

45930

1940

285398

I received and filed this Instrument for
 record on the 9 day of Oct, 1940
 at 2:15 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Vergence B. Crouse, County Recorder
 By Martha J. Head, Deputy
 Fee \$ 2.00 Paid cash



RECORDED
 INDEXED
 OCT 10 1940

File No. _____

T. 15 R 22

DUPLICATE

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

MONTANA WATER RESOURCES BOARD

RECEIVED

OCT 21 1968

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)



Top of Ground

(Elev. above sea level) _____

0L tan clay, sand
17' & gravel

17' seep of water

17' brown clay, sand
31' & gravel

31' sand, gravel
32' & water

Owner GEORGE JOHNSON Address 1542 So. 5th W.

Driller KEN WILLIAMS WELL DR. Address 1658 So. 5th W.
(NINEMILE)

Date of Notice of appropriation of groundwater _____

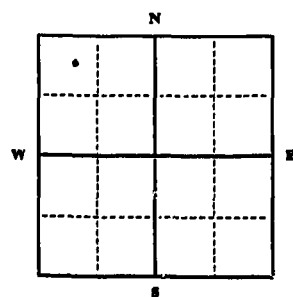
Date well started SEPT. 6, 68 Date completed SEPT. 9, 68

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I.D.	6-5/8" O.D. 17 lbs. 1/2" side-wall	ground level	32 ft.			



Static Water Level for non-flowing well _____ feet. 24

Shut-in Pressure for Flowing Well _____

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

Discharge in gal. per min. of flowing well _____

How Tested sub test pump

Length of Test 4 hours

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

*On Lot 25
Ridgwood Ranchettes*

Sec. 7 T. 15 R. 22
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Driller's License Number 151

Driller's Signature Ken Williams

44,703

1829

275480

I received and filed this instrument for
 record on the 15 day of Oct. 1918
 at 8.00 o'clock P.M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Veranus R. Crouse, County Recorder
 By M. M. Crouse, Deputy
 Fee \$ 2.00 Paid *EL*

MISSOULA COUNTY RECORDER'S OFFICE
 MISSOULA, MONTANA

File No. _____

DUPLICATE

T. 15^N R. 22^W 7
County Missoula

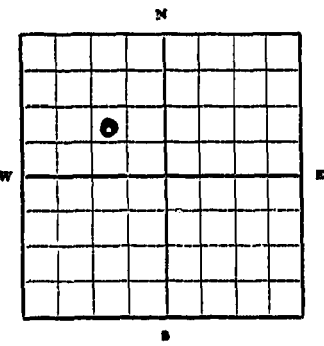
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
DEC 13 1963
STATE ENGINEER

1. Paul & Alden Montgomery of Huson
(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
Domestic Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
July 1 1960 Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
40 gallons 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
1.6 acre
S.E. 1/4 of N.W. 1/4 sec 7 T. 16, R. 22

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
June 26 July 1 1960

8. The depth of water table
Static 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

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available
0-2 Black Sand & loose loam
2-24 Clay
24-37 Orange Colored Sand & gravel
37-40 Coarse Sand & 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
PIAT F-2

Signature of Owner Paul Montgomery
Date Dec 11 1963

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

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

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

391/

314137

I received and filed this instrument for
 record on the 1st day of Dec, 1963
 at 8:59 o'clock A.M., permanent files
 of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNER County Recorder
 By Mark A. Johnson Deputy
 Fee \$ 2.00 Paid

314137
 (314137)
 1

File No. _____

T. 15N R 22W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

MONTANA WATER RESOURCES BOARD
(Under Chapter 237 Montana Session Laws, 1961)

RECEIVED
APR 10 1969

Date of Appropriation of Groundwater March 27, 1969

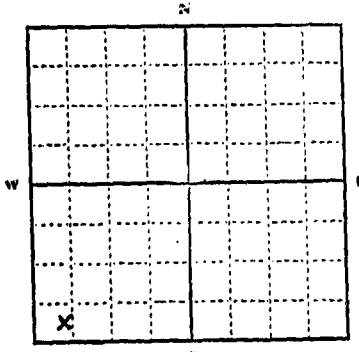
Owner Lucille A. Warner Weber Address 2337 Cloudale Rd.

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. Running Springs
Arising on my property
Storage tank pumped up
To house



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. 7 T15N R22W
Indicates point of appropriation and place of use, if possible.

year around use
domestic purposes +
irrigation

Signature of Owner Lucille A. Warner Weber

Date April 8, 1969

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.

1870 280163

I received and filed this instrument for
record on the 5th day of April 1969
at 1:28 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
Verance R. Couse, County Recorder
By *M. M. Conroy* Deputy
Fee \$2.00 *Paid*