

File No.

T. 13 R. 19

DUPLICATE

County Miss.

LOG

MONTANA WATER RESOURCES BOARD

STATE OF MONTANA

RECEIVED

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 3,223)

Notice of Completion of Groundwater

Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1902

(Under Chapter 237, Montana Session Laws, 1961)



0 - 5 1/2 top soil

Owner: Edmund L. Simons Address: 3747 North Ave. Missoula

5 1/2 - 21 gravel sand
some cobble stone

Driller: Harold K. Pickens Address: 3524 So. Ave. Missoula

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

21 - 30 gravel sand
& water

Date well started 1/12/68 Date completed 1/18/68

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

30 - 45 sand & water

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

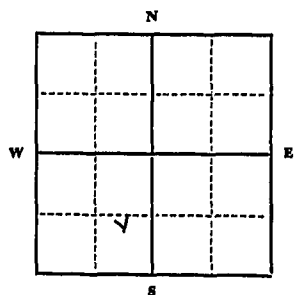
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

45 - 51 red clay
no water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 inch	4 in. I.D. 20.75 lbs per 25'	0	75	1 1/2 x 1/2	74	70

51 - 67 sand small gravel
& water

67 - 75 gravel & water



Static Water Level for non-flowing well 18 ft. of top feet.

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

Pumping Water Level 21 ft. of top feet at 35 gal. per minute.

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

How Tested CONFINED

Length of Test 4 1/2 hrs.

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

SE 1/4 SW 1/4 Sec. 25 T. 13 R. 19

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.
75 ft from top of ground

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

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

Driller's License Number 71

Harold K. Pickens
Driller's Signature.

45,226

#1882 281133

I received and filed this Instrument for record on the 12th day of May, 1907, at 10:15 o'clock P.M., parchment files of Missoula County, State of Montana
Witness my hand:
Verance R. Crouse, County Recorder
By J. M. Coman, Deputy
Fee \$ 2.00 Paid ck

How tested.....
 Discrepancy in copy, but print of genuine work
 47-11-01, 10000000
 47-11-01, 10000000
 47-11-01, 10000000
 47-11-01, 10000000

D

File No. _____ STATE WATER CONSERVATION BOARD

T. 13 R. 11

DUPLICATE

JUN 17 1966

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

0	Top of Ground (Elev. above sea level)
22	tan clay, sand and gravel
22	tan clay, water, sand and scattered gravel
39	tan clay, sand and gravel
43	water, sand and scattered gravel
57	water, sand and gravel
64	

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner PETE & BETTY LOU STUCKER Address 2220 36th. AVE.

Driller KEN WILLIAMS Address 1558 S. 5th. W.

Date of Notice of appropriation of groundwater _____

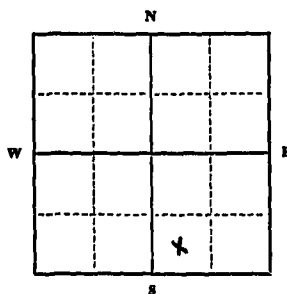
Date well started MAY 26, 1966 Date completed MAY 27, 1966

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 5/8 OD 17 lbs. per ft. 1" side wall	ground level	64'			



Static Water Level for non-flowing well _____ 22 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level _____ 50 feet at _____ 70 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested _____ compressor

Length of Test _____ 2 hours

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

3. W. 1/4 Sec. 35 T. 13 R. 11
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.

151
Driller's License Number

Ken Williams
Driller's Signature

41144

1610

251157

I received and filed this Instrument for record on the 15 day of June 1966 at 11:20 o'clock A.M., permanent files of Missoula County, State of Montana
 Witness my hand:
 Vermae R. Crouse, County Recorder
 By *Marilyn St. Head*, Deputy
 Fee \$ 2.00 Paid *cash*

13
 18
Marilyn St. Head

MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA

File No. _____

T 13^N R 19^W 26

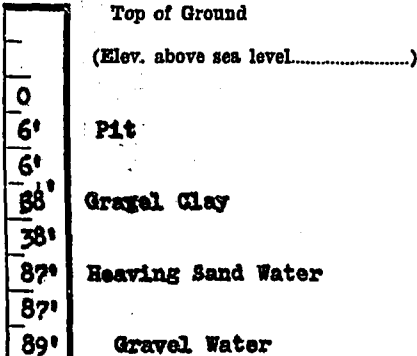
DUPLICATE

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)



Owner James Daniel Address 1807 Humble

Driller John Farrell Address Arlene Mont

Date of Notice of Appropriation of Groundwater _____

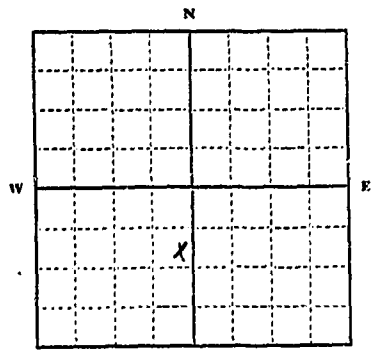
Date well started Oct 29 1965 Date Completed Nov 3 1965

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	(5" 14.67)	68	89'			



SW 1/4 Sec 26 T 13 R 19
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 31' feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 50' feet at 50 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) 1/2 acre

Show exact depth of bottom.

14
Driller's License Number

John Farrell
Driller's Signature

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

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

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

40724

1564

245633

I received and filed this instrument for record on the 5 day of Jan, 1966 at 2:00 o'clock P.M. permanent files of Missoula County, State of Montana

Witness my hand:
 Varance R. Cause, County Recorder
 By M. M. Conroy, Deputy
 Fee \$ 2.00 1 Page

STATE WATER CONSERVATION BOARD
 JAN 11 1966

McDermott
 McNulty
 Merton
 Doyle
 Darrin
 Parker

MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA

File No.

T. 13^N R. 19^W 26

DUPLICATE

County... Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

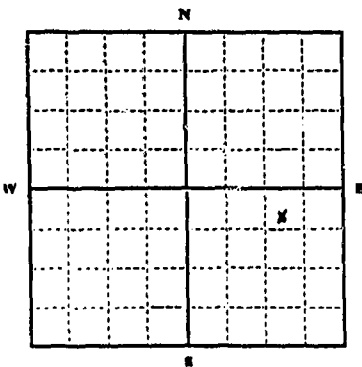
RECEIVED
DEC 13 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Loren Harrison (Name of Appropriator) of 1225 Grand Avenue Missoula
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W. 1/4 Sec 26 T. 13 R. 19

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

- 2. The beneficial use on which the claim is based... household and irrigation for one acre
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been... August 1st, 1961 and ever continuous use.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 25 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... 1 acre of land Lots 6 and 13 of Schantz Addition No. 2, Present owner is Loren Harrison
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... Submersible pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... July 22, 1961
- 8. The depth of water table... 6 to 8 in from surface
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... 6 in well 82 ft 2 in deep
- 10. The estimated amount of groundwater withdrawn each year.....
- 11. The log of formations encountered in the drilling of each well if available... 0 to 2 dirt, 2 to 37 sand gravel and cobbles, 37 to 45 gravel cobbles imbedded in tan clay, 45 to 52 tan sand and gravel, 52 to 58 vas sand and gravel imbedded in tan clay, 58 to 73 tan to brown sand, 73 to 79 tan sand and some gravel, 79 to 82 coarse clean gray to black sand and 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 Loren Harrison

Date 12-11-1963

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.

8939

397

214 145

Copy

I received and filed this instrument for
 record on the 11 day of Dec, 1963
 at 2:00 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN E. BEHNER, County Recorder
 By Walter J. Johnson Deputy
 Fee \$ 2.00 Paid

26

File No. _____

T. 13^R R. 19^W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964

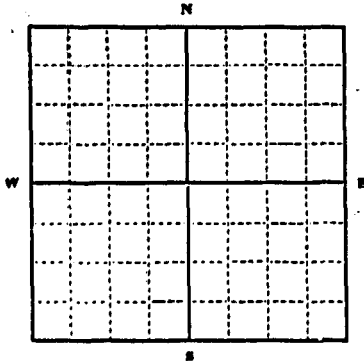
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Richard H Johnson, of 2313 Belmont Ave 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. 36, T. 13, R. 19
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based. None use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1961 continuously

4. The amount of groundwater claimed (in minor'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 applicable

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Summer of 1961

8. The depth of water table. 30 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. 4 inch casing well 75 feet deep

10. The estimated amount of groundwater withdrawn each year. 200,000 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. none

Signature of Owner Richard H Johnson

Date Dec 31, 1963

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

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

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

2037°

1251

Copy
I received and paid this instrument for
at *810* *301* *Dec. 19 63*
of the *State* *of* *Montana* permanent files
of the *State* *of* *Montana*
Witness my hand
By *Martin S. ...* County Recorder
Deputy
Fee \$ *...* Paid

File No. _____

T. 13^N R. 19^W

DUPLICATE

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

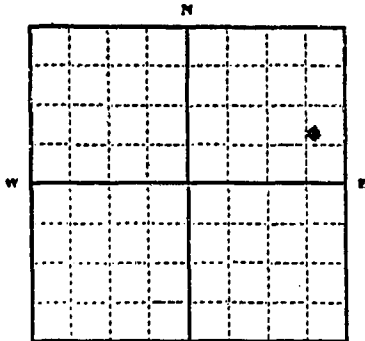
RECEIVED
JAN 3 1963

Declaration of Vested Groundwater Rights

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

1. George E. LaFrance, of 310 North Grant 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 21
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based Household use
and stock water
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1939 - and has been
in continuous use
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 gpm for min. (borehole for test)
- 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
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well with
electric pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Not known
- 8. The depth of water table 10 ft.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well - 4 ft. deep with
4" casing
- 10. The estimated amount of groundwater withdrawn each year 362,800 gals per year
- 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 None known

Signature of Owner George E. LaFrance
Date December 31, 1962

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

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

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

1114

WIPSON

505 31
 By Mat & Helen Recorder
 For \$ 2.00 Paid

WIPSON

C
 1/2
 WIPSON

WIPSON

WIPSON

WIPSON

WIPSON

WIPSON

WIPSON

File No. _____

DUPLICATE

T. 13N R 19W
County Missoula

27

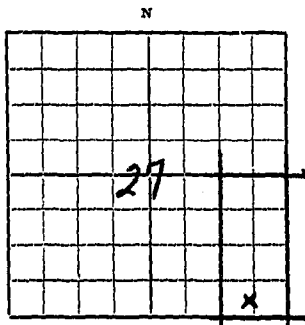
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 26 1963

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

Walter B. Cox, Evelyn S. Cox of 2800 Maurice Missoula
(Name of Appropriator) (Address) (Town)

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



SE 1/2 SW 1/4
5/8 1/4 Sec. 27 T. 13N R. 19W

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

2. The beneficial use on which the claim is based Stock Water and Irrigation and Domestic Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since May 1902
+ reappropriated by present appropriators on April 29, 1959

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 Miners inches

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof SE 1/2 SW 1/4 Sec. 27
T. 13N R. 19W owner Walter B. Cox + Evelyn S. Cox

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

Spring; does not run continuously or runs underground

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Spring, no well

8. The depth of water table Not Known not applicable

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
Not applicable.

10. The estimated amount of groundwater withdrawn each year 5 Miners inches

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

Notice of appropriation, filed on May 6, 1959 recorded in Book 1 of Water Rights, page 161
Walter B. Cox
Evelyn S. Cox
Signature of Owner

Date March 4 1963

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

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

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

#224 copy 208799

I received and filed this instrument for record on the 24 day of July 1963 at 2:12 o'clock P.M. in the public files of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By Dorlene Kegger Deputy
Fee \$ 2.00 Paid

[Faint, mostly illegible text, possibly a recording or filing stamp]

[Faint, mostly illegible text, possibly a recording or filing stamp]

27

File No.

T. 13N R. 19W

DUPLICATE

County... Missoula

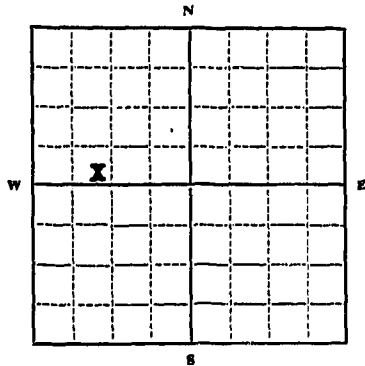
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 17 1962

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. The Montana Power Company, of 40 East Broadway Butte
(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:



SW 1/4 NW 27 T. 13N R. 19W

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

2. The beneficial use on which the claim is based... Municipal supply
3. Date or approximate date of earliest beneficial use; and how continuous the use has been... June 1957, 24 hrs. per day for each year since 1957
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 1,200 gallons per minute - 24 hours 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. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... Pumped from well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... Started drilling May 17, 1957, well completed June 18, 1957

8. The depth of water table... 77'

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 12" I.D. steel casing - 150' deep

10. The estimated amount of groundwater withdrawn each year... 100,000,000 gallons

11. The log of formations encountered in the drilling of each well if available... 0' to 123' clay, sand fine gravel, coarse gravel and some boulders, 123' to 150' few boulders, coarse gravel and some 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.

(CORPORATE SEAL)

ATTEST:
[Signature]
Its Secretary

THE MONTANA POWER COMPANY

Signature of Owner By [Signature]
Vice President
Date... February 1, 1962

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

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

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

Copy
192068

I received and filed this instrument for record on the 16 day of April, 1962 at 8:51 o'clock A.M., permanent files of Missoula County, State of Montana
Witness my hand
MARTIN S. BEHNER, County Recorder
By Edna J. Miller, Deputy
Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDS

RECEIVED
MAY 11 1962

RECEIVED
MAY 11 1962

MISSOULA COUNTY RECORDS

MISSOULA COUNTY RECORDS

MISSOULA COUNTY RECORDS

MISSOULA COUNTY RECORDS

MISSOULA COUNTY RECORDS

Alley between Evans and Beckwith at Hilda

T. 13N. R. 19W. 27

RECEIVED
OCT 15 1957

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

County Missoula

STATE ENGINEER

WATER WELL LOG

X	27	

Owner: THE MONTANA POWER COMPANY Address: Missoula, Montana
 Driller: Glenn Camp Address: 705 Alder - Missoula
 Date Started: May 17, 1957 Date Completed: June 18, 1957
 Location: Sec. 27 T. 13N. R. 19W. ¼ sec. NW¼

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

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

Casing: 0 ft. to 147'8" ft. Type: Seamless Size: 12" I.D.

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

Casing: 95' to 100' ft. Type: _____ Size: _____

Perforated or ~~screened~~ Ft. 110' to ft. 120' Ft. 135' to ft. 146'

Type of screen or perforations: Mills Knife 3/8" x 3" 8 Holes per Foot.

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

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

Pumping water level: 90 feet at 1200 gal. per min.

How tested: _____

Length of test: _____

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0'	10'	Soil, Gravel, Sand loose formation
10'	60'	Clay, Coarse Gravel and Sand, Some Small Boulders with Clay, Tight Formation
60'	70'	Clay, Medium to Coarse Gravel and Sand
70'	77'	Fairly loose Gravel, Sand and Some Clay - First Water of 77 ft.
77'	95'	Fine to Medium Gravel and Sand
95'	112'	Thin layers of Clay, Sand and loose Rock with Water
112'	123'	Small Boulders Sand and Some Clay with Water
123'	130'	Clay and Boulders
130'	132'	Sand
132'	147'8"	Coarse Gravel and Sand with Water

14

By: <i>Stacy M. Kelly</i>	Witness my hand:	I received and filed this instrument for record on the <u>7</u> day of <u>Oct</u> , 19 <u>58</u>	146876
EVERLYN LIND, County Recorder		at <u>5:05</u> o'clock <u>P</u> . M. in front of LL of Missouri County, State of Missouri.	
Fee \$ <u>5.00</u>	Paid	Deputy	

copy

21

File No.

T. 13N R. 19W

DUPLICATE

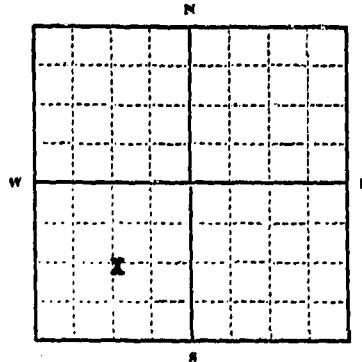
County—Missoula

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

JUL 10 1969

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

- I, The Montana Power Company, of 40 East Broadway, Butte
(Name of Appropriator) (Address) (Town)
County of Silver Bow, State of Montana, 59701, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
- The beneficial use to which water is to be applied is municipal water supply
(describe lands to be benefited, if for irrigation)
- The rate of use in gallons per minute or miner's inches of groundwater claimed 1000 g.p.m.
- The annual period (inclusive dates) of intended use January 1 to December 31
- The probable or intended date of first beneficial use June 17, 1969
- The probable or intended date of commencement and completion of the well* or wells* May 24, 1969
- The location, type, size and depth of well or wells contemplated App. Center SW 1/4, Section 27, Township 13 North, Range 19 West, Missoula County, Montana
- The probable or estimated depth of the water table or artesian aquifer 83'
- Name, address and license number of the driller engaged Glenn Camp, 1522 S. 14th West, Missoula, Montana 59801, License #7
- Give such other similar information as may be useful in carrying out the policy of this act



THE MONTANA POWER COMPANY
40 E. Broadway
Butte, Montana 59701

By W.W. Tallott
Appropriator

SW 1/4 Sec. 27, T. 13N R. 19W
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator.....

Date.....

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

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

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

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

45422

1909 282757

Received and filed this instrument for
record on the 7th day of July 1909
at 8:52 o'clock P.M. in permanent files
of Missoula County, State of Montana
Witness my hand:
Verance H. Crouse, County Recorder
By M. J. Crouse, Deputy
Fee \$1.00 Paid

GW

Approved Stock Form—State Publishing Co., Helena, Montana—G.S.

File No. _____

MONTANA WATER RESOURCES BOARD

T 13N R 19W

DUPLICATE

RECEIVED

County Missoula

LOG

JUL 10 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground _____

(Elev. above sea level _____)
Well located at 300 Block
E. Central

Notice of Completion of Groundwater Appropriation by Means of Well

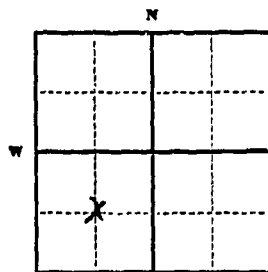
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0-40 Gravel & Clay
 40-47 Clay Owner MONTANA POWER CO. Address Missoula, Montana
 47-72 Gravel & Clay Driller Glenn Camp Address Missoula, Montana
 72-83 Clay and Sand Date of Notice of appropriation of groundwater _____
 83-101 Water, Gravel and Sand Date well started May 24, 1969 Date completed June 17, 1969
 101-108 Gravel & Clay Type of well drilled Equipment used shank drill
 (Dug, Driven, bored or drilled) (Churn drill, rotary or other)
 106-137 Gravel, Sand, Water 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 (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
16" I.D.	16" I.D. 62.58 lb per ft.	2' above G.L.	137'	Mills Knife 3/8" x 3"	90' 112' 30 rounds 10 holes to rd. Total = 300 holes	96' 132'



Static Water Level for non-flowing well _____ feet.

Drawdown 5' 8" from G.L.
Shut-in Pressure for Flowing Well _____

Pumping Water Level 63' 8" feet
at 1000 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Test Pump

Length of Test 5 hours

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

SW 1/4 Sec 27 T12N R17W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

THE MONTANA POWER COMPANY

40 E. Broadway
Butte, Montana 59701

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).

By Will Tallant
Appropriator

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.

License # 7
Driller's License Number

Glenn Camp
Driller's Signature Glenn Camp

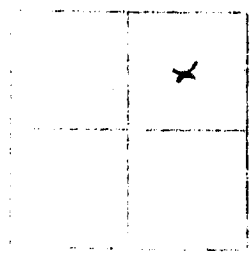
15420

1910

282758

I received and filed this instrument for
 record on the 7th day of July 1910
 at 8.54 o'clock P. M. permanent files
 of Missoula County, State of Montana .
 Witness my hand:
 Veronique B. Cousa, County Recorder
 By M. J. [Signature] Deputy
 Fee \$2.00 [Signature]

RECEIVED
 MISSOULA COUNTY BOARD



MISSOULA COUNTY BOARD

File No.

T. 13N R. 19W 28

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

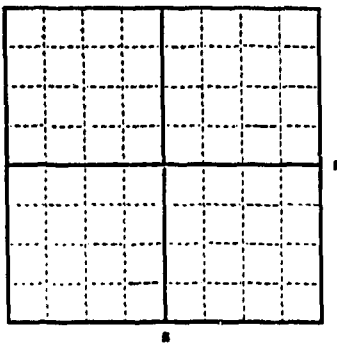
RECEIVED
DEC 20 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Robert R. Coffman of 2200 Holborn St. Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW Sec. 28 T. 13 R. 19

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

- 2. The beneficial use on which the claim is based 8 households and lawns at 2200 Holborn St. & 639 West Central Ave.
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1, 1954, continuous from this date.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 gallon 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 lawns
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal one horse power jet pump
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 1, 1954 (commenced) August 1, 1954 (completed)
- 8. The depth of water table 35 feet
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 8 inch casing, driven well, 78 feet deep
- 10. The estimated amount of groundwater withdrawn each year for two households and lawns
- 11. The log of formations encountered in the drilling of each well if available unknown
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record unknown

Signature of Owner Robert R Coffman
Date Dec 19, 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.

457

214534

Copy
I received and filed this instrument for
record on the 17 day of Dec, 1968
at 1:20 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By M. S. Behner Deputy
Fee \$ 2.00 Paid

28

File No.

T. 13N R. 19W

DUPLICATE

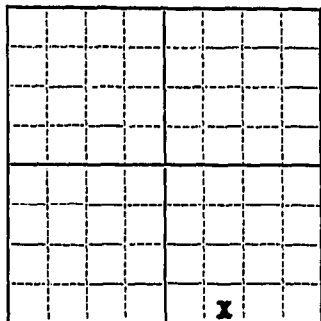
County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 17 1962
STATE ENGINEER

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

1. The Montana Power Company of 40 East Broadway Butte
(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:



SW 1/4 ~~SE 1/4~~ **Sec. 28** T. 13N R. 19W

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 1935, 24 hrs. per day for each year since 1935

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1,200 gallons per minute - 24 hours 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. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pumped from well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started drilling February 9, 1935. Well complete February 27, 1935

8. The depth of water table 50'

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 12 1/2" - casing 116' deep

10. The estimated amount of groundwater withdrawn each year 100,000,000 gallons

11. The log of formations encountered in the drilling of each well if available 0' to 78' clay, sand gravel and some boulders, 78' to 120' gravel, some sand and some boulders

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

(CORPORATE SEAL)

ATTEST:
Its Secretary

THE MONTANA POWER COMPANY

Signature of Owner BY
Vice President
Date February 1, 1962

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

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

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

366

120

192060

Copy

I received and filed this instrument for record on the 16 day of April 1927 at 2:45 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNER, County Recorder
 By Edwin J. Harris, Deputy
 Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA

MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA

MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA

MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA

MISSOULA COUNTY RECORDER
 MISSOULA, MONTANA

RECEIVED

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

AUG 14 1972

DRILLER'S LOG

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

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

(Under Chapter 237 Montana Session Laws, 1961, as amended)
This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	Well: 1100 Longstaff
0	7	Brown Clay & Gravel
7	18	Tan Clay & Gravel & Boulders
18	54	Tan Clay & Gravel
54	68	Gravel Sand & Water
68	73	Gravel & Water

Owner Bob Nordwick (Nordic Apartments)
Address 2535 Spurgeon
Missoula, Montana 59801 August 10, 1972 9:40 am.

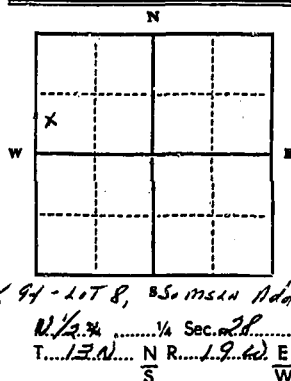
For Administrator's Use
File <u>2316-320540</u>
Date well started <u>June 21, 1972</u>
completed <u>June 22, 1972</u>

Date well started June 21, 1972 completed June 22, 1972
Type of well Drilled (Dug, driven, bored or drilled)
Equipment used Churn Drill (Churn drill, rotary or other)
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other * Garden/Lawn

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>6" ID</u>	<u>6" ID 17 lb per ft.</u>	<u>17" above g.l.</u>	<u>73'</u>			



Static water level 40 ft.*
Pumping water level 50 ft.*
at 70 gallons per minute,
measured 1/2 minutes after pumping began.
*Measured from ground level.
Well developed by compressor for 1 hours.
Power Does Not Apply apply HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Block 94 - Lot 8, S. Somers Addition
N 1/2 Sec. 28
T. 12 N. N. R. 19 W. E

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

Driller's Signature J. Jean Camp
CAMP WELL DRILLING & PUMP SUPPLY
Driller's Address 1522 S. 14th St., Missoula, Montana 59801

LICENSE NO. 7

73' Show exact depth of bottom

5/1/36

2316

320540

I received and filed this instrument for
 record on the 12th day of Aug, 1972
 at 9:45 o'clock A.M. permanent files
 of Missoula County State of Montana
 Witness my hand
 Verano R. Crouse County Recorder
 By Verano R. Crouse Deputy
 Fee \$ 2.00 Paid cash

MISSOULA COUNTY RECORDS DEPARTMENT
 400 WEST MAIN STREET
 MISSOULA, MONTANA 59802
 PHONE 544-4444

SEARCHED	INDEXED	SERIALIZED	FILED

File No.

T. 13 N. 19 W.

TRIPPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
MAR 28 1969

County Missoula

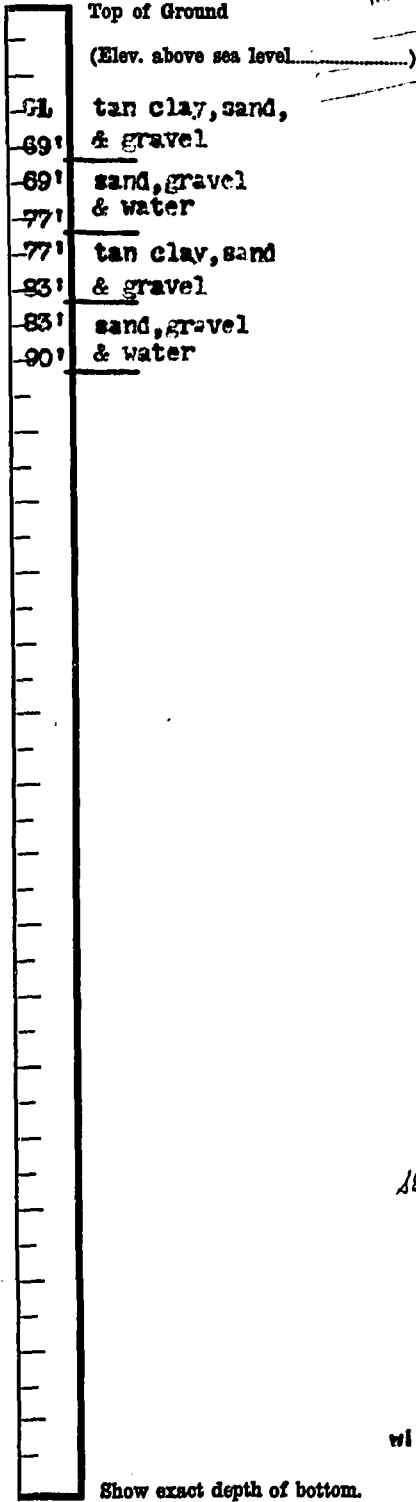
LOG

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 E.C. PETERSON Address 2105 SO. HIGGINS AVENUE

MISSOULA, MONTANA
Driller KERMIT L. TAN Dr. Address 1558 So. 6th St.
MISSOULA, MONTANA

Date of Notice of appropriation of groundwater _____

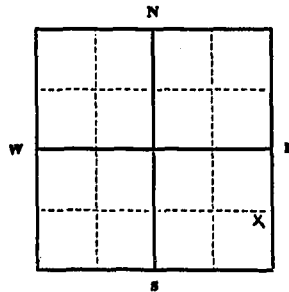
Date well started MARCH 17, 69 Date completed MARCH 22, 69

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. 3" side-wall 17 lbs.	ground level	90ft.			



Static Water Level for non-flowing well 80 feet.

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

Pumping Water Level..... 90 feet
at..... 40 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested sub-test pump

Length of Test..... 3 1/2 hrs.

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

16 1/4 Sec. 28 T. 13 R. 19

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

will be used to provide water for store use - cool building and cooling of compressors.

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 Kenneth L. Williams

45,078

#1865

279840

I received and filed this Instrument for
record on the 26th day of Mar. 19 69
at 2:45 o'clock P. M., permanent files
of Missoula County, State of Montana
Witness my hand:
Vernice R. Crouse, County Recorder
By Henry J. Head, Deputy
Fee 3.00 Paid ck.

File No. _____

T. 13N R. 19W

DUPLICATE

County Missoula

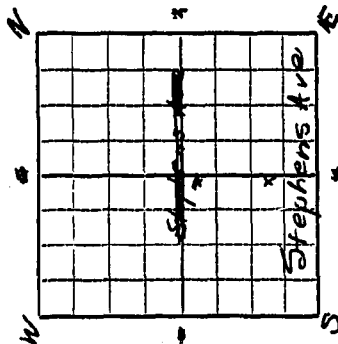
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 20 1963

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

STATE ENGINEER

1. F. M. and Helen A. Silver of Missoula, Montana
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE 1/4 Sec. 28 T. 13N R. 19W

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

2. The beneficial use on which the claim is based an development as a well

3. Date or approximate date of earliest beneficial use; and how continuous the use has been February 1949 and use has been continuous since then.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 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 1/3 of an acre and a greenhouse owned by F. M. and Helen A. Silver

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater January and February of 1949.

8. The depth of water table 84 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 one well which has a six inch casing and is 84 feet deep and uses a 1/2 horse power deep well pump.

10. The estimated amount of groundwater withdrawn each year Approximately 1,000,000 gallons

11. The log of formations encountered in the drilling of each well if available not available. The well was drilled by A. R. Mowbray and the well casing is 6 inch extra heavy pipe. The flow of water was 500 gallons per minute at 84 feet on a four inch discharge line from a compressor.

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.

F M Silver
Helen A Silver
Signature of Owner.

Date November 19, 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.

450

214520

copy
I received and filed this instrument for
record on the *11* day of *Dec*, 19*60*
at *10.00* 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

228

File No. _____

T 13 N 1 R 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

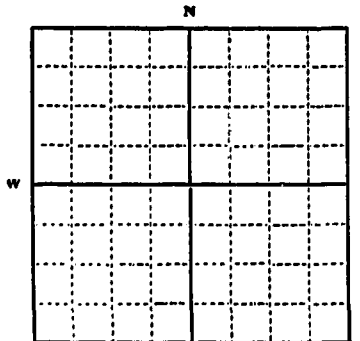
RECEIVED
JAN 3 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Glenn & Della Sticht, of 201 Catlin St. 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:



Glenn Addition (4)
N.E. 1/4 S.E. 20 T. 13 R. 19

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

section
20

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. July 1943
Continuous use

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
4 acre
Glenn & Della Sticht

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. About July 1943

8. The depth of water table. 20 feet from surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
4 inch drilled well 45 foot

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

11. The log of formations encountered in the drilling of each well if available
0 ft. to 20 ft. Sand, gravel & cobblestones mixed with clay
20 ft. to 40 ft. Sand, gravel & cobblestones & water
40 to 45 ft. coarse gravel, rocks & boulder & water

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 Glenn Sticht

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.

20192

1072

215547

I received and filed this instrument for
record on the 31 day of Dec, 1945
at 4:28 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand
MARTIN S. BLANCHER, County Recorder
By Ethel Stone Deputy
Fee \$ 2.00 Paid

10

9651000 0117 0000 0000 0000 0000

File No. _____

T. 13 N R. 19 W 20

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

Declaration of Vested Groundwater Rights

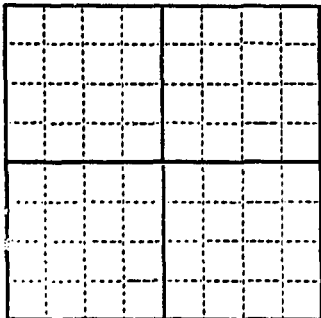
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Maynard E. & Anna C. Sticht, of 1740 Trail Street 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:



Glenn Add Lot #2

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 & Lawn Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Oct 26, 1957
Continuous use since

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. 1/4 Acre Lawn & Garden
Maynard & Anna Sticht

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Oct 26, 1957

8. The depth of water table. 27-8 From surface of ground.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 6" casing drilled well 57 ft deep.

10. The estimated amount of groundwater withdrawn each year. 262,800 gal for 2 Homes + 1 Shop

11. The log of formations encountered in the drilling of each well if available.
Feet 0-7 Pit | 21-39 Sand & Gravel
7-12 Large Boulder & Gravel | 39-43 Tan Clay
12-18 Brown sand | 43-54 Sand
18-21 Tan Clay | 54-56 Sand & Gravel - water

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including references to book and page of any county record. Well was Drilled by Liberty Coal Co. Missoula
We have no other information as to the policy of the Act.

Signature of Owner Anna C. Sticht

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.

2088

963

2154 37

I received and filed this instrument
 received on the 7th day of Dec 1965
 at 7:34 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand
W. H. E. Smith County Recorder
 By Walter S. Palmer Deputy
 Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDS
 DEPARTMENT
 MISSOULA, MONTANA
 1965

ADDENDUM

Form: Declaration of Vested Groundwater Rights

Notice of Completion of Groundwater
Appropriation by Means of Well

Name of
owner: Floyd O. Bowman

Corrected
land description: SW 1/4 SW 1/4 NW 1/4
Sec. 29 T13N R14W

Initials: CS

File No. _____

T. 13N R. 19W 29

DUPLICATE

County Missoula
RECEIVED
JAN 2 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

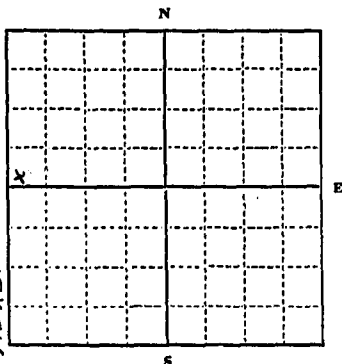
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Floyd O. Bowman, of 1536 S. Reserve 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:

RMC Exchange System
W&E Tol. 18 Plat B
110x310



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 Residential & Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1, 1956

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 200 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
2 1/2 Acres Floyd O. Bowman

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 25, 1956 August 1, 1956

8. The depth of water table 35 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 of well 80 Feet each casing

10. The estimated amount of groundwater withdrawn each year 200000 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 see above

Signature of Owner Floyd O. Bowman
Date Dec 31 1963

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

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

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

17706

927 45400

I received and filed this instrument for
record on the 26 day of Dec 1967
at 11:00 A.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MAYNOR S. BEHRE Deputy Recorder
By *M. S. Behre* Deputy
Fee \$ 20.00 Paid

MISSOULA COUNTY
RECORDERS OFFICE
MISSOULA, MONTANA

MISSOULA COUNTY RECORDERS OFFICE
MISSOULA, MONTANA

029

File No. _____

T. 13^N R. 19^W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

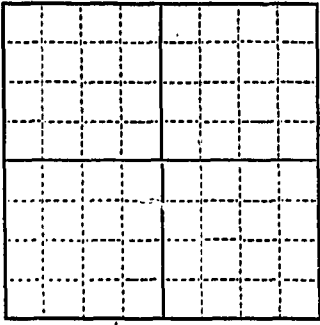
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. John R. Davis of 1030 Reserve Missoula
(Name of Appropriator) Violet G. (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NW 1/4
Sec. 29, T. 13 R. 19

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 - Continuous

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
Approximately 2000 sq ft of lawn
(not acreage)

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric pump in house
Well #1 N.P. - 14' deep

7. The date of commencement and completion of the construction of the well, wells or other works for withdrawal of groundwater 1950

8. The depth of water table not known

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
not known
Drilled well 58' deep, 2nd water level
4" casing

10. The estimated amount of groundwater withdrawn each year not known

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
Book 191 - Page 186

Signature of Owner John R. Davis
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. 15296

140

215-148

I received and filed this instrument for
record on the..... 5th day of Nov..... 1967
at 1:12 o'clock P.M., permanent files
of Missouri County, State of Montana
Witness my hand:
MARTIN S. DEWINE County Recorder
By Martin S. Dewine Deputy
Fee \$ 3.00 Paid

LOG _____
 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

0-32 **Boulders, Gravel & Clay**
 32-50 **Sand & Clay**
 50-65 **Gravel, Sand & Water**
 65-68 **Gravel & Water**

Owner: Glad Tidings Assembly of God Church Address: Reserve St. 1522 S. 14th W.
 Driller: Glenn Camp Address: Missoula, Montana

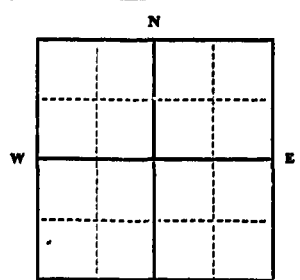
Date of Notice of appropriation of groundwater _____
 Date well started: April 1, 1962 Date completed: April 2, 1962

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 Church

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I. D.	6" I. D. 17 lb per ft.	2 1/2' above G.L.	68'		none	



Static Water Level for non-flowing well _____ 39 feet.
 Shut-in Pressure for Flowing Well _____
 Pumping Water Level _____ 47 feet
 at _____ 75 gal. per minute.
 Discharge in gal. per min. of flowing well _____

R.M. Cobble
Richard Halmer **Jan 24**

How Tested: Compressor
 Length of Test: 1 hour
 Remarks: (Gravel packing, cementing, packers, type of shutoff) _____

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

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.

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

45,184

1876

280764

I received and filed this instrument for
 record on the 29 day of April, 1916.
 at 2:30 o'clock P. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Veramae R. Crouse, County Recorder
 By M. M. Conroy, Deputy
 Fee \$2.00 Paid ✓

Leahing...
 2016...
 2017...

File No. _____

T. 13 N R. 19 W (2)

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

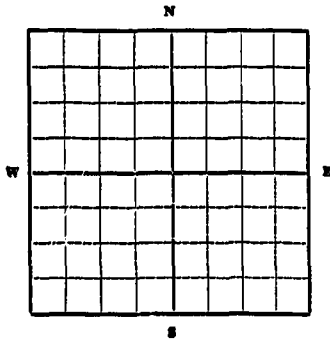
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Earl Herbert Hayes & Vernie Hayes of 2826 South Ave. 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. 19, T. 13, R. 19

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

2. The beneficial use on which the claim is based
Household water & lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
May 1, 51 continuous

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
electric pump from well - well located in the South East corner of said property

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
May 3 - May 13, 1951

8. The depth of water table
52 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
Casing 5" well 66 feet deep

10. The estimated amount of groundwater withdrawn each year
2,250,000 Gals

11. The log of formations encountered in the drilling of each well if available
2 feet top soil, 3 ft. clay, 13 ft. rubble stones and sand, 6 ft. gravel and sand, 13 feet sand, 9 feet sand and gravel, 11 feet clay and gravel, 8 ft. small gravel, 5 feet of gravel and water.

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 Earl Herbert Hayes

Date December 27, 1963

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

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

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

642

215003

I received and filed this instrument for
 record on the 27 day of Dec 1963
 at 2:12 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
MARTIN S. BERNER, County Recorder
 By Martin S. Berner Deputy
 Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDS DEPARTMENT
 200 WEST 10TH AVENUE
 MISSOULA, MONTANA 59801

ADDENDUM

Form: Declaration of Vested Groundwater Rights

Notice of Completion of Groundwater
Appropriation by Means of Well

Name of
owner:

George E. Levajoud

Corrected
land description:

1/4 NW 1/4 SE 1/4 NW
Sec. 29 T. 13N R. 19W

Initials:

CS

2271 S. 12th W.

File No. _____

DUPLICATE

T. 13N R. 19W 29

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 13 1963

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

STATE ENGINEER

1. George E. Levagood of 2271 So. 12th St., W. Missoula
(Name of Appropriator) (Address) (Town)

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

1/4 Sec. ⁷ T. 13N R. 19W

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 7 gallons per minute

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1945 including this date 1963

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 1/8 acrs. Car. line. lots 16-17-18 Block 83
Car. Line. lots 13-14-15 Block 83.
Car. Line. lots 19-20 Block 82.

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 1945

8. The depth of water table 75 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 4 inch casing

10. The estimated amount of groundwater withdrawn each year 140,000 gallons

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. Not known

Signature of Owner George E. Levagood
Date 12-11-1963

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.

395

214152

I received and filed this instrument for
 record on the 11 day of Dec. 1962
 at 11 o'clock A.M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
 MARTIN S. BEHNER, County Recorder
 By [Signature] Deputy
 Fee \$ 2.00 Paid

MISSOULA COUNTY RECORDER

MISSOULA COUNTY RECORDER

File No.

T. 13N R. 19W

DUPLICATE

County

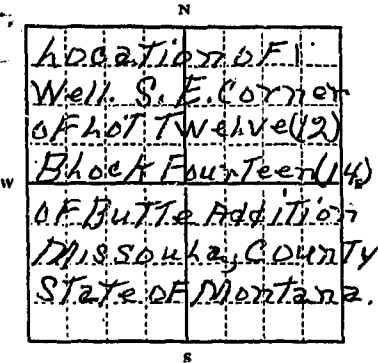
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John M. Miller, of 1801 Beck Ave, Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



- 2. The beneficial use on which the claim is based Household and lawn irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. For household continuous for irrigation about June 16, till about Oct. 1st.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approximately 50 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 Lawn and Garden John M. Miller

1/4 Sec 29 T. 13N R. 19W
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal From electric motor driven suction pump. The well (one well) is located in the southeast corner of lot (2) block 14 butte addition.
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. In the Spring of 1948 Dates not available to me.
- 8. The depth of water table Approximately Fifty (50) 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. Eight inch casing or pipe approximately Ninety (90) FT. deep. Drilled Well
- 10. The estimated amount of groundwater withdrawn each year Beyond My Knowledge
- 11. The log of formations encountered in the drilling of each well if available NOT available to me other than they drilled through a layer of hard sand approximately Sixty Five (65) FT.
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. I bought the well and land of which it is located from George Thibault March 14th 1959, there is a Warranty Deed Recorded in the County Clerks Office.

Signature of Owner John M. Miller
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.

1233

I received Copy of the instrument for
 record at the State of Alabama 1963
 of Missoula County, State of Alabama
 Witness my hand County Recorder
 By Master Deputy
 Fee \$ Paid

MISSISSIPPI COUNTY, MISSOURI
 DEPARTMENT OF REVENUE
 RECEIVED
 JAN 12 1963
 BY

29

File No.

T. 13N R. 19W

DUPLICATE

County. Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 17 1962

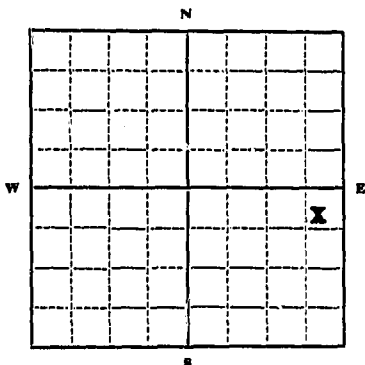
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. The Montana Power Company of 40 East Broadway Butte
(Name of Appropriator) (Address) (Town)

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



NE 1/4 SE 1/4 Sec. 29, T13N R. 19W

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. May 1958, 24 hrs. per day for each year since 1958

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 1.150 gallons per minute - 24 hours 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. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pumped from well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Started drilling Mar. 13, 1958, well completed April 12, 1958

8. The depth of water table. 50'

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 14" O.D. steel casing - 110' deep

10. The estimated amount of groundwater withdrawn each year. 295,000,000 gallons

11. The log of formations encountered in the drilling of each well if available. 0' to 80' clay, sand, gravel, boulders and some cobble stones, 80' to 110' big gravel and some 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

(CORPORATE SEAL)

ATTEST:

[Signature]
Its Secretary

THE MONTANA POWER COMPANY

Signature of Owner By *[Signature]*

Vice President

Date. February 1, 1962

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

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

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

124

192064 Copy

I received and filed this instrument for record on the 16 day of April 1920 at 8:47 o'clock A.M. permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNER, County Recorder
 By Edwin J. Mason Deputy
 ee \$ 2.00 Paid

1920 APR 16 10 130 AM

RECORDED APR 16 1920

MISSOULA COUNTY RECORDS

201

29

File No.

T. 13W R. 19W

DUPLICATE

County. Missoula

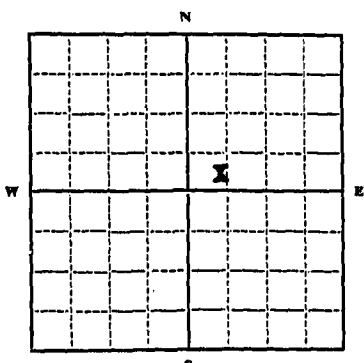
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 17 1962

Declaration of Vested Groundwater Rights
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. The Montana Power Company of 40 East Broadway Butte
(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:



SW 1/4 NE 1/4 Sec. 29 T. 13W R. 19W

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

- 2. The beneficial use on which the claim is based Municipal supply
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 1935 - 24 hours per day for each year since 1935 (summertime)
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1,200 gallons per minute - 24 hours 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. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pumped from well
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Drilling started October 19, 1934; well completed Nov. 19, 1934
- 8. The depth of water table 55 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 12" steel casing - 110' deep
- 10. The estimated amount of groundwater withdrawn each year 95,000,000 gallons
- 11. The log of formations encountered in the drilling of each well if available 0' to 72' - clay, sand, gravel and some boulders
72' to 110' - clean gravel and some 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

(CORPORATE SEAL)

ATTEST:

[Signature]
Its Secretary

THE MONTANA POWER COMPANY

Signature of Owner By [Signature]
Vice President
Date February 1, 1962

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

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

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

119

192059

Copy

I received and filed this instrument for record on the Monday day of April 1922 at 8:12 o'clock A. M., permanent files of Missoula County, State of Montana
 Witness my hand:
MARTIN S. BEHNER, County Recorder
 By John J. Mann Deputy
 Fee \$ 2.00 Paid

RECORDED IN THE

BOOK OF 1922

PAGE 20

RECORDED IN THE

BOOK OF 1922

RECORDED

INDEXED

RECORDED

INDEXED

RECORDED IN THE

BOOK OF 1922

RECORDED

PAGE 20

RECORDED IN THE

BOOK OF 1922

ADDENDUM

Form: *Water well log*
 Declaration of Vested Groundwater Rights
 Notice of Completion of Groundwater Appropriation by Means of Well

Name of owner: *Fred & Frances O'Brien*

Corrected land description: *1/4 SW 1/4 SE 1/4 SW*
Sec. 29 T13N R19W

Initials: *CS*

*→ 120 South the w.
(This should be 2100)*

RECEIVED

STATE ENGINEER

T. 13 N. R. 19 W. 29

County: Missoula

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Fred L. & Frances E. O'Brien Address: RT 1 Missoula

Driller: H. B. Berkley Address: 120 So. Ave. W. Missoula

Date Started: Aug 25 1954 Date Completed: 8-28-54
West 1/2 Lot 35 Orchard Homes Add. No 6

Location: Sec. T. R. 1/4 sec.

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other:

Casing: 68 ft. to ft. Type: Plain end ungalvanized 6" steel Size: 6"

Casing: ft. to ft. Type: Size:

Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. to ft. Ft. to ft.
Type of screen or perforations: Numerous 1" holes burned in casing for 6 FT over well point

Static Water level, for non-flowing well: 11 FT Below Top of casing feet.

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

Pumping water level: of casing feet at 16 2/3 gal. per min.
Water delivered 50 1/2 ft from pump and 25 ft GFT

How tested: over top of casing with 5 gal Tank. Three minutes used on each of three separate tests

Length of test: thirty 2" lines from pump over 40 minute period
(H.M. 120' Jacuzzi Br. Pump)

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

West 1/2 Lot 35 Or. H.C. Add. #6

14 grains hardness Tested By Mont St Bd of Health

Feet value 35' from pump

(over)

29

File No.

T 13N R 19W

DUPLICATE

County.....

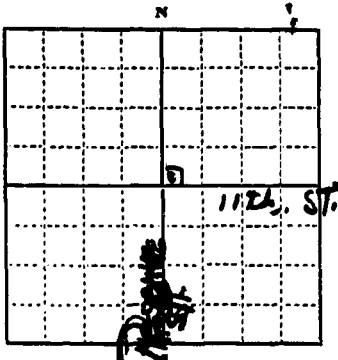
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Lois R. Petersen, of 1230 Reserve St., 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. 29 T. 13N R. 19W
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based Household and irrigating purposes
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 15, 1949 and has been in continuous use ever since.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) At time well was dug records were not required so I have no idea.
- 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 2 acres R M C OR. HO. Lot
PLAT P Sec. 7
Lois R. Petersen
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Jacuzzi pump located in basement of house.

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 15, 1949
- 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 We use a 3/4 horse Jacuzzi pump and the depth is 70 feet.
- 10. The estimated amount of groundwater withdrawn each year Unknown
- 11. The log of formations encountered in the drilling of each well if available No information
- 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 No information

Signature of Owner.....
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.

20384

1265

Copy
I received this instrument for
record on *July 19 1963*
at *1265* of the permanent files
of the South Carolina State of Records
Witness my hand
By *M. L. S. Baker* County Recorder
Fee \$ *2.00* Paid

South Carolina State of Records

File No. _____

T. 13N R. 14W

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

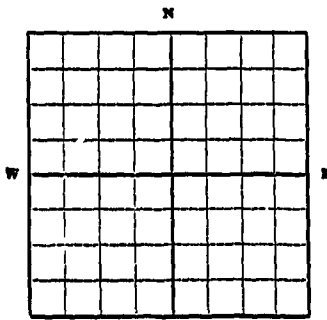
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Andrew A. Pringle, of 1412 Reserve St., Missoula, Montana
(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:



Lot 12 and the W. 1/2 of Lot 13, R.M. Cobban's Orchard Homes 1/4 Sec. T. R. Addition.

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 of lawn.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous from 1935.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 35 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Lawn use only at above address.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approximately 1935.

8. The depth of water table 6 1/2 feet with 17 feet of water.

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 6 1/2 feet deep, 2 1/2 inch pipe, with 3/4 horse motor.

10. The estimated amount of groundwater withdrawn each year 50,000 gallons

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. Not known.

Andrew A. Pringle
Signature of Owner is/ Andrew A. Pringle

Date December 31, 1963.

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

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

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