

GW 2

MONTANA WATER RESOURCES

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

File No.

RECEIVED

T. 13N R. 19W

DUPLICATE

JUN 23 1970

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

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

Top of Ground
(Elev. above sea level 3187)

0-2 Topsoil

2-9 Sandy Clay and Gravel

9-20 Sandy Clay

20-31 Gravel & Clay

31-43 Clay

43-63 Gravel & Clay

63-74 Gravel & Water

74-85'8" Clay

6' of cement in bottom of well

Owner Borden Chemical Co. Address GRANT CREEK ROAD
CAMP WELL DRILLING & MISSOULA, MONTANA

Driller PUMP SUPPLY Address 1522 S. 14th W.
Missoula, Montana

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

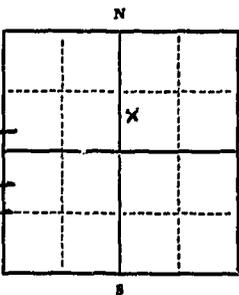
Date well started April 25, 1970 Date completed May 5, 1970

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
10" I.D.	10" I.D. 34.24 lb per ft.	2' above G.L.	82'8"	Mills Knife 3" x 3/8"	67'	72'
				Total	- 64 holes	



Doc. No. 292428
Filed for record
this 23 day of June
A. D. 19 70, at 9:46
o'clock 8 M.

Static Water Level for non-flowing well
.....47.....feet.

Shut-in Pressure for Flowing Well from G.L.

Pumping Water Level 12'
at.....470.....gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Test Pump

Length of Test 8 1/2 hours

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

6' of cement in bottom of
hole

SW 1/4 NE 1/4 Sec. 8 T. 13N R. 19W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

INDUSTRIAL - 24 ACRES

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
Philip A. Balke
Driller's Signature CAMP WELL
DRILLING & PUMP SUPPLY
40674

2006 292428

I received and filed this instrument for record on the 23rd day of June 1970 at 1:00 o'clock P.M. permanent files of Missoula County, State of Montana
Witness my hand:
Verance R. Crouse, County Recorder
By Verance R. Crouse Deputy
Fee \$ 2.00 Cash Paid

RECORDED
INDEXED
JUN 23 1970
MISSOULA COUNTY

Microfilm of this instrument is available for sale at the following price:
1/2" Microfilm \$1.00
3/4" Microfilm \$1.50
1" Microfilm \$2.00
16mm Microfilm \$2.50
35mm Microfilm \$3.00
Microfilm of this instrument is available for sale at the following price:
1/2" Microfilm \$1.00
3/4" Microfilm \$1.50
1" Microfilm \$2.00
16mm Microfilm \$2.50
35mm Microfilm \$3.00

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELLS FEB 28 1971
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 Evans Products

Address Drawer 12

Missoula, Montana

Date well started 12/19/69

completed 2/9/70

Type of well Drilled

Equipment used Cable tools

Water Use: Domestic Municipal Stock Irrigation

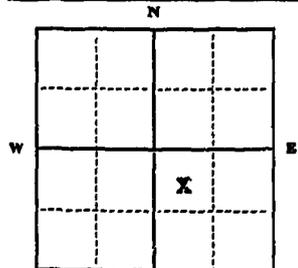
Industrial Drainage Other * Garden/Lawn

*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). 6.84 acres approximately

ESTIMATED ANNUAL WITHDRAWAL 308,060,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
10"	10 1/2" OD x .365	+1'2"	133'7"	10" Johnson Wire Wound Screen	131	151



N 1/4 SE 1/4 Sec. 8
T. 13 N. R. 19 E
S W

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

Driller's Signature William B. Osame
LIBERTY DRILLING COMPANY

Driller's Address 2500 Reserve Street

Missoula, Montana LICENSE NO. 52

DRILLER'S LOG

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

Top of Ground		Approx. (Elev. above sea level)
From (Feet)	To (Feet)	
0	8	Topsoil, clay and some gravel.
8	33	Sand, gravel and cobbles.
33	55	Clay and gravel, light tan in color.
55	61	Bluish gray clay and gravel.
61	82	Gravel, sand and cobbles.
82	87	Gravel, sand and tan clay.
87	93	Gravel and fine sand.
93	110	Tan clay and gravel.
110	111	Fine sand.
111	117	Gravel and sand and clay.
117	125	More gravel and less clay.
125	151	Gravel, sand, cobbles and clay lumps.
131	135	Gravel, sand, cobbles and some clay.
135	155	Sand, mostly coarse mixed gravel and large cobbles.
155	172	Fine and coarse sand, mixed gravel, smaller cobbles.
172	180	Sand and gravel imbedded in clay.

Static water level 46 ft.*
Pumping water level 65 ft.*
at 600 gallons per minute,
measured 8 hours after pumping
began.
*Measured from ground level.
Well developed by Air Lift
for 8 hours. Pump
Power..... Diesel Pump..... 300 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) The slot
openings are as follows:
131' - 139' 100/1000
139' - 148' 125/1000
148' - 151' 100/1000

180 ft show exact depth of bottom
Water rises in well 46 feet
from surface.

4/8/64

2089 299644

I received and filed this instrument for record on the 18th day of Feb. 1971 at 2:15 o'clock P.M., permanent file of Missoula County, State of Montana. Witness my hand. Clarence R. Gross, County Recorder. By *Orville A. [Signature]* Deputy. Fee \$ 2.10. O. [Signature] Paid

The screen is fitted with a tightly swaged lead packer top and a 28 foot tailpipe with solid closed bottom. All water entering well is coming through slot openings in screen.

DATE: _____
BY: _____
TITLE: _____

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

FEB 28 1971

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 Evans Products

Address Drawer 12

Missoula, Montana

Date well started 10/23/69

completed 12/8/69

Type of well Drilled

Equipment used Cable tools

Water Use: Domestic Municipal Stock Irrigation

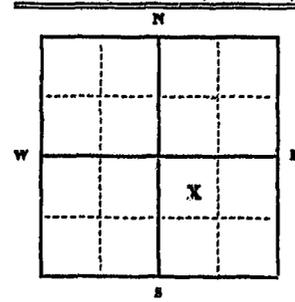
Industrial Drainage Other Garden/Lawn

*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). 6.84 acres approximately

ESTIMATED ANNUAL WITHDRAWAL 308,060,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
10"	10 1/2" OD x .365	+2	145	10" Johnson Wire Wound Screen	143	163



NW 1/4 SE 1/4 Sec. 8
T. 13 N. R. 19 E

Static water level 41 ft.*
Pumping water level 60 ft.*
at 600 gallons per minute,
measured 8 minutes after pumping
began.

*Measured from ground level.
Well developed by Air Lift
for 8 hours. Pump
Power Diesel Pump 300 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) Slot
openings in screen are
as follows:
143' - 148' 80/1000
148' - 158' 125/1000
158' - 163' 150/1000

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

Driller's Signature William B. Calhoun

Driller's Address 2500 Reserve Street

Missoula, Montana LICENSE NO. 52

DRILLER'S LOG

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

Top of Ground		Approx. (Elev. above sea level) <u>3200'</u>
From (Feet)	To (Feet)	
0	3	Dirt.
3	35	Gravel and cobblestones.
35	66	Gravel, clay and sand.
66	76	Gravel and sand with some clay.
76	80	Sand, fine gravel and clay.
80	86	Clay, sand and gravel.
86	87	Fine sand in thin layers.
87	90	Coarse sand and fine gravel.
90	106	Clay and gravel.
106	107	Fine sand with some fine gravel.
107	108	Clay, sand and gravel.
108	117	Sand, clay and gravel.
117	118	Coarse sand.
118	122	Clay and gravel.
122	125	Coarse sand and silt.
125	130	Clay and gravel.
130	131	Coarse sand and small pea gravel.
131	144	Alternating sand and water to silty sand.
144	150	Clay, gravel and sand.
150	154	Fine sand and coarse sand and silt.
154	166	Silt, sand, gravel and cobblestones.
166	172	Tan clay balls and gravel, gray silt and cobblestones.
172	185	Gray clay with gravel imbedded.

185 ft. Show exact depth of bottom
Water rises in well 41 feet
from surface.

48163

2090

299645

I received and filed this instrument for
 record on the 16th day of Feb 1977
 at St. Louis, Mo. in the presence of the
 of Missouri County, State of Missouri
W. H. H. H.
 Witness my hand and the seal of said County Recorder
W. H. H. H.
 Fee \$ 2.00 Paid

The screen is fitted with a tightly swaged lead packer top and
 a 20 foot tailpipe with solid closed bottom. All water entering
 well is coming through the slot openings in the screen.

File No. 14

T 13N R 10W

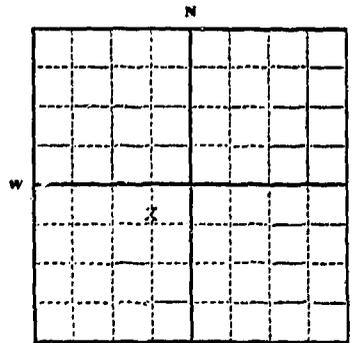
DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. I, Evans Products Co., of Missoula, Montana
(Name of Appropriator) (Address) (Town)
County of Missoula, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
2. The beneficial use to which water is to be applied is Industrial Plant
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 1200 gallons per minute
4. The annual period (inclusive dates) of intended use 365 days per year
5. The probable or intended date of first beneficial use November 15, 1969
6. The probable or intended date of commencement and completion of the well* or wells*
Commence Oct. 15, 1969 - Complete Nov. 15, 1969
7. The location, type, size and depth of well or wells contemplated New Particle Board Plant in Tract B in South 1/4 of Sec. 8, Twp 13N, Rng 10W, Ten inch wells - 200 feet deep.
8. The probable or estimated depth of the water table or artesian aquifer Water table estimated 65 ft. Aquifer estimated 170 to 190
9. Name, address and license number of the driller engaged Liberty Drilling & Pump Co. License No. 57
10. Give such other similar information as may be useful in carrying out the policy of this act. Expect to drill two ten inch screened wells to produce 600 gallons per minute each.



Tract B is located in the South 1/4 Sec. 8, T. 13N, R. 10W. Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Lee R. Hahn
FOR EVANS PRODUCTS COMPANY
Date 10-21-69

* 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.

45,769

1944

285859

I received and filed this instrument for
record on the 24th day of Oct. 1944
at 1:15 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
Vermon R. Crouse, County Recorder
By *M. L. Crouse*, Deputy
Fee \$ 2.00 *old ch*

File No.

T. 13N R. 19W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DIVISION OF ARCH. & ENGR.

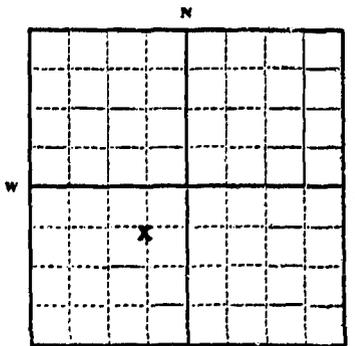
Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

OCT 20 1969

1. I, Evans Products Co., of Helena, Missoula, Montana
(Name of Appropriator) (Address) (Town)
County of Missoula, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
2. The beneficial use to which water is to be applied is Industrial Plant
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 1200 gallons per minute
4. The annual period (inclusive dates) of intended use 365 days per year
5. The probable or intended date of first beneficial use November 15, 1969
6. The probable or intended date of commencement and completion of the well* or wells*
Commence Oct. 15, 1969 - Complete Nov. 15, 1969
7. The location, type, size and depth of well or wells contemplated New Particle Board Plant in Tract B in South 1/4 of Sec. 8, Twp 13N, Rng 19W. Ten inch wells - 200 feet deep.
8. The probable or estimated depth of the water table or artesian aquifer Water table estimated 65 ft. Aquifer estimated 170' to 190'.
9. Name, address and licence number of the driller engaged Liberty Drilling & Pump Co.
License No. 52

10. Give such other similar information as may be useful in carrying out the policy of this act. Expect to drill two ten inch screened wells to produce 600 gallons per minute each.



Tract B
South 1/4 Sec. 8 T. 13N R. 19W
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Ray R. Hehn
FOR EVANS PRODUCTS COMPANY
Date 10-15-69

* 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.

45965

File No. _____

JUN 2 1967

T. 13N R. 19W

DUPLICATE

LOG

Bill _____ McDermott _____ County Missoula
 Substr. _____ McNulty _____
 Coyle _____ Moran _____ STATE OF MONTANA
 Darlington _____ Sullivan _____ ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

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

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Jean L. Felton or John Felton Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 5/15/67 Date completed 5/21/67

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

Water use: Domestic Municipal Stock Irrigation
 Industrial Drainage Other

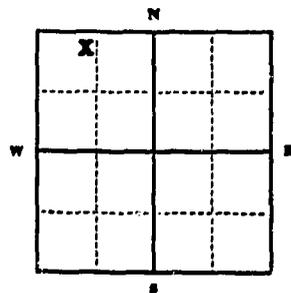
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Formations Log:

- 0 - 2 Topsoil.
- 2 - 52 Gravel, sand & some clay.
- 52 - 67 Fine sand & gravel.
- 67 - 71 Tan clay. Seeps of water.
- 71 - 78 Gravel imbedded in tan clay.
- 78 - 89 Silty sand & gravel.
- 89 - 92 Fine sand & gravel. Water.
- 92 - 95 Clean coarse sand & gravel. Water.

Water rises in the well 70 feet from surface.

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 4"	0	95	NONE		



Static Water Level for non-flowing well 70 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 84 feet at 45 gal. per minute.

Discharge in gal. per min. of flowing well None

How Tested Air Lift Pump

Length of Test One Hour

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through the open bottom of six inch casing. Wells with open bottom completions in this area can be depended upon to produce clear sand free water year after year as long as they are not over pumped, i.e., they (Continue on reverse side)

8 T. 13N R. 19W

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

area can be depended upon to produce clear sand free water year after year as long as they are not over pumped, i.e., they

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

10.6 Acres, more or less

Show exact depth of bottom.

Bottom of hole 95'

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

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

52
 Driller's License Number

William S. Adams
 Driller's Signature.

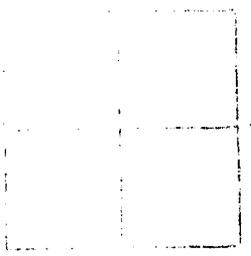
42,044

1711

261125

I received and filed this instrument for
 record on the 27 day of May, 1967
 at 2:10 o'clock P.M. pursuant to the
 of Missoula County, State of Montana
 Witness my hand:
Verance R. Cross, County Recorder
 By Clark J. Marshall, Deputy
 Fee \$ 2.00 Paid Cash

should be pumped at rates less than 25 to 50 percent of the tested
 capacity of the aquifer



RECEIVED

County Missoula

JUN 2 1972

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(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 M. E. Johnson

Address Missoula, MT

For Administrator's Use
#2283, 3/23/72

Date well started 5/12/72 GW 1

completed 5/18/72

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

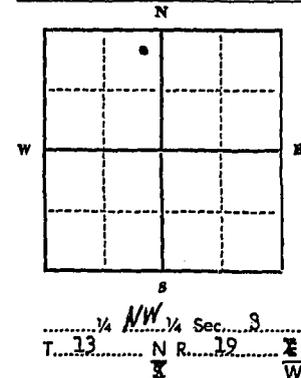
Equipment used Churn Drill
(Churn drill, rotary or other)

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 Size	From (Feet)	To (Feet)
6" id	2.50 x 6" id	0	108	Does Not Apply		



Static water level 70 ft.*
Pumping water level 70 ft.*
at 30 gallons per minute,
measured 240 minutes after pumping
began.
*Measured from ground level.
Well developed by ball & pump
for 6 hours.
Power 220 Pump 1 1/2 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 Ernest J. Kane

Driller's Address St. Regis, Mont. 59866

LICENSE NO. 23

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	2	gravel, corrugated clay fill
2	30	clay, gravel
30	36	boulders, clay, sand
36	43	cement gravel
43	44	water, gravel
44	84	water, sand, cement gravel
84	108	gravel, coarse sand, water

108 Show exact depth of bottom

50,505

File No.

T. 13N R. 19W 8

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: SALES & SERVICE Address: HIWAY #10 WEST

Driller: CHAS. WROBLE Address: ANAconda

Date of Notice of Appropriation of Groundwater: 5-1961

Date well started: MAY 1961 Date Completed: MAY 1961

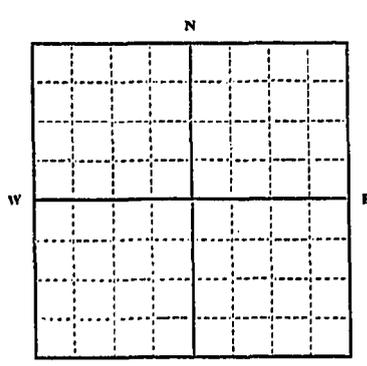
Type of well: DRILLED Equipment Used: CHURN
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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"	0'	88'			

manitoba #13



1/4 Sec. 8 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: 41' feet.
 Shut-in Pressure for Flowing Well: unknown
 Pumping Water Level: 60' feet at 2.0 gal. per minute.
 Discharge in gal. per min. of flowing well: 2.0
 How Tested: Balance Length of Test: 2 Hours
 Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) None

Show exact depth of bottom.

W. B. Matlock
 Driller's License Number
W. B. Matlock
 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.

20152

1031

215508

I received and filed this instrument for
 record on the 21 day of Dec 1923
 at 2:45 o'clock P.M. permanent files
 of Missoula County, State of Montana
 Witness my hand
 MARTIN S. BEHNER, County Recorder
 By MAE L. S. BARNER, Deputy
 Fee \$ 2.00 Paid

RECORDED IN MISSOULA COUNTY, MONTANA
 DECEMBER 21 1923
 MARTIN S. BEHNER, COUNTY RECORDER
 MAE L. S. BARNER, DEPUTY

2175

331597

I received and filed this instrument for
 record on the 4 day of May, 1973
 at 7:45 o'clock P. M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Dorothy L. Head, County Recorder
 By Maury Shalaby, Deputy
 Fee \$ none Paid 0

MISSOULA COUNTY, MONTANA
 RECORDS DEPARTMENT
 RECEIVED
 MAY 10 1973
 331597

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 Nicholson Paving
Address Grant Creek
Missoula, Montana
Date well started May 24, 1971
completed May 26, 1971

For Administrator's Use	
File	<u>301024</u>
	<u>June 22, 1971</u>
	<u>1:04 P.M.</u>
GW 1	

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

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

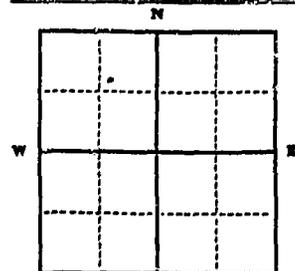
Water Use: Domestic Municipal Stock Irrigation

Industrial Drainage Other Garden/Lawn

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6" I.D.	6" I.D. 17 lb per ft. S.L.	2' 6"	103'	none		



1/4 Sec. 8
T. 13 N. R. 19 E.
S. W.

Static water level 55 ft.*
Pumping water level 70 ft.*
at 50 gallons per minute,
measured 3 after pumping
began.
*Measured from ground level.
Well developed by compressor
for 7 1/2 hours.
Power 2000 Pump empty 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 [Signature]
Driller's Address Camp Well Drilling & Pump Supply
1522 E. 14th W., Missoula, Montana 59801

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	4	Brown clay & gravel
4	52	Tan clay and gravel
52	64	Gravel Sand & water
64	94	Gravel & yellow clay
94	98	Gravel & water
98	100	Red clay and gravel
100	103	Gravel & water

LICENSE NO. 7 -103-2- Show exact depth of bottom

48695

#2142

304024

I received and filed this instrument for
record on the 7th day of June 1921
at 10 o'clock P.M. permanent files
of Missoula County, State of Montana
Witness my hand.
Veranda R. Cruse, County Recorder
By Marianne Stone, Deputy
Fee \$ 2.00 Cash Paid

8

File No. _____

T. 13N R. 19W

DUPLICATE

County Missoula

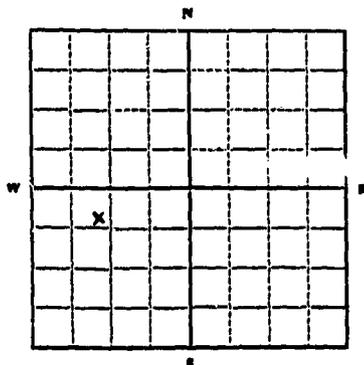
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 26 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Co. of H.F. Steadyards 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:



SW 1/4 Sec. 8 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. Steadyards and industrial site use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1928 to present

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Completed 1929

8. The depth of water table. 48 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 drilled well 164 feet deep

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

11. The log of formations encountered in the drilling of each well if available. See attached log 22

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 [Handwritten Signature]
Date Nov. 8. 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.

7526



22 ft Clay & Boulders

27 ft Gravel & Boulders

27 ft Water Bearing Gravel & Clay

27 ft Hardpan

111 ft Water Bearing Gravel & Clay

MISSOULA, MONTANA

Well at Stockyard Drilled - 8 casing 86 1/2' - 200' diameter
 1-8" forged steel drive shaft
 10ft - 5" to 60 Johnson well screen - 23' - 8" couplings
 1-8 stage COOK starting identical deep well pump - 1750 RPM
 Complete with 9 ft 5" suction pipe
 Under AFE 200-200 a 6 inch line shaft of 16' 70ft
 Under some AFE it was taken down 8' in diameter to a depth
 103 ft. This being necessary because of lowering of water table
 Above work done by Company forces.

Office of District Engineer, Spokane, June 21, 1911

File No. _____

T. 13 N. R. 14 E. 8

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

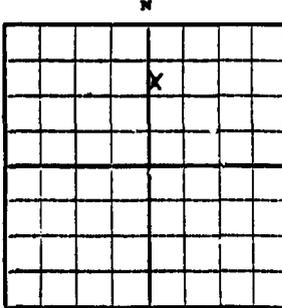
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1963)

STATE ENGINEER

1. Ostergren and Son of P.O. Box 167 Missoula
(Name of Appropriator) (Address) (Town)

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



NW 1/4 NE Sec. 8 T. 13 N. R. 14 E.

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, livestock and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Prior 1910; continuous

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 2 acres within the NW 1/4 NE 1/4 Section 8 T. 13 N. R. 14 Ostergren and Son

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Prior to 1910

8. The depth of water table 40 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch casing drilled to 110 feet

10. The estimated amount of groundwater withdrawn each year 1,500,000 gals.

11. The log of formations encountered in the drilling of each well if available Do not believe it to be 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. Do not believe it to be recorded.

Signature of Owner Ostergren and Son
Richard A. Ostergren

Date 2/6/63

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.

177 202488

I received and filed this instrument for
record on the 24 day of Feb 1968
at 10:57 o'clock A. M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER, County Recorder
By *Veronica Cramer* Deputy
Fee \$ 2.00 Paid

2192

308704

I received and filed this instrument for
record on the 18 day of Oct, 1978
at 10:15 o'clock A.M. permanent files
of Missoula County, State of Montana
Witness my hand.
Dorance R. Cross, County Recorder
By Doretta A. Thompson, Deputy
Fee 1.00 Paid 0

70017-012

File No.

T. 13 N. R. 19 W.

DUPLICATE

County Missoula

LOG RECEIVED
MAR 20 1974

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)



Top of Ground

(Elev. above sea level 3,200)

Gravel Sand Clay

Water & Gravel

Owner Howard Basor Address Missoula Mont

Driller John Farrell Address Arton Mont

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

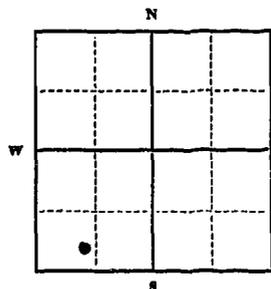
Date well started Oct. 17 1968 Date completed Oct. 21 1968

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	(5") 1 1/2#	0	75			



Static Water Level for non-flowing well 48 feet.

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

Pumping Water Level..... 70 feet
at..... 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested..... Bailer

Length of Test..... 2 hrs

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

SW 1/4
xxxxxx Sec. 8 T. 13 N. R. 19 W.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

.....(Continue on reverse side)

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

..... Domestic & Livestock Water Trough

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

John Farrell
Driller's Signature

52694

DM
M
DISTRICT

329116

I received and filed this instrument for record on the 14 day of Mar 1973 at 1:45 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

MISSOULA COUNTY, MONTANA
RECORDED FOR THE PURPOSE OF ESTABLISHING A RECORD OF THE INSTRUMENT

MISSOULA COUNTY, MONTANA
RECORDED FOR THE PURPOSE OF ESTABLISHING A RECORD OF THE INSTRUMENT

File No. _____

T. 13N R 19W

DUPLICATE

County Missoula

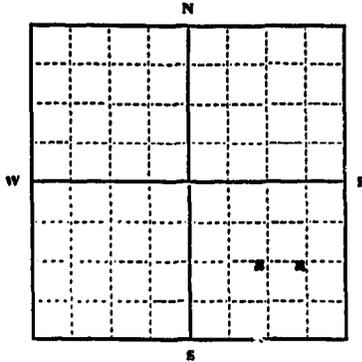
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1 Van-Even Co., of Drummond, Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 9 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. Wheat processing, fire protection & health
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Since 1960
Steady
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 300 gallons per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric pumps
NW 1/4 38 1/4 - NW 1/4 38 1/4

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. NW 1/4 38 1/4 April 9, 1960 - April 20, 1960
NW 1/4 38 1/4 August 3, 1960 - August 15, 1960

8. The depth of water table. Respectively 42' - 32'

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. Respectively 10" 30 casing - 52.25' depth
11' depth - 14.8' depth

10. The estimated amount of groundwater withdrawn each year. 125,000,000 gallons

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

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

Signature of Owner Van-Even Co.
D.R. [Signature]
Date December 31, 1963

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

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

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

1109

Recorded and indexed this instrument on the 31 day of Dec 1968
Missouri County, State of Montana
Witness my hand:
By Mark S. Adams Deputy Recorder
Fees \$ 1.00 Paid

Handwritten notes and signatures on the right side of the page, including a signature that appears to be "Mark S. Adams" and some illegible text.

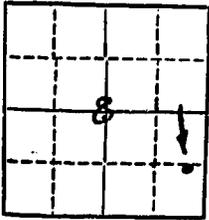
C

RECEIVED

T. R. 8
County Missoula

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Van-Syans Company Address Missoula, Mont.
Driller WESLEY GARD Address 705 Alder
Date Started August 3, 1960 Date Completed August 15, 1960
Location: Sec. 8, T. 13N. R. 12W. 1/4 sec.

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

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

Casing: 3 ft. in ft. to 14 1/2 ft. 5 1/2 ft. above gr. level Type seamless Size 10 inch
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 13 1/2 ft. to ft. 14 1/2 ft. Ft. _____ to ft. _____

Type of screen or perforations 3/8" x 3" - 120 holed total

Static Water level, for non-flowing well: 32 ft. from ground level _____ feet.

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

Pumping water level: _____ 37 feet at _____ 60 gal. per min.

How tested: hauler

Length of test: three hours

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

Will pump 300 gal per minutes from this well.

back yard sprinkler well

(over)

File No. _____

T. 13 R. 11W

DUPLICATE

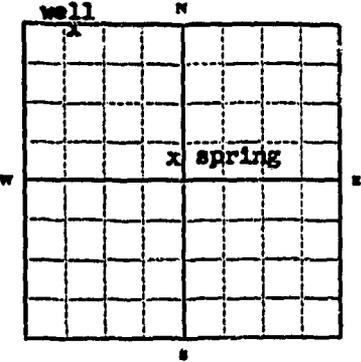
County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

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

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



Sec 9 T. 13 R. 19

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

- 2. The beneficial use on which the claim is based Domestic, irrigation, and stock water
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been since April, 1945.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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 40 acres in 1/4 Section 9, Township 13, Range 19
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 2" pipe operated by windmill pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater since April, 1945.
- 8. The depth of water table 92' depth of well; 62' depth of water table.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5" casing for 20', then open hole, drilled to underground reservoir
- 10. The estimated amount of groundwater withdrawn each year 2 1/2 million gallons per year.
- 11. The log of formations encountered in the drilling of each well if available 20' casing at top; balance of well drilled through sandstone.

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 3 springs located at various places on the section above described. Water from these springs have been used to irrigate since 1911. Claimant claims all water flowing from said springs, exact amount of which cannot be determined at this time.

Signature of Owner John W. Carlson
Date December 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.

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

19487

787 215195

I received and filed this instrument of
TINCOLL on the 20th of Dec 1923
at the Clerk's Office, permanent files
of Lincoln County, State of Montana
Witness my hand
By Walter E. Egan County Recorder
Deputy
Fee \$ 20 Paid

File No.

T. 13 R. 19 W

DUPLICATE

County

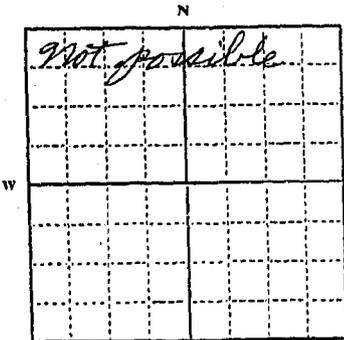
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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 April 15, 1948
Owner Wm. Randolph Address 1410 wooden ave.
Contractor (if any) didn't have a contractor
Address of Contractor No address
Date Started Fall of 1947 Date Completed Spring 1948



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. I dug back in the hill about 20 feet the water runs out all of the time. Summer and winter.

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. I have no way of measuring or estimating the amount of water, it runs the year around. The water is used from April 1 to Nov. 1. of each year.

E 1/2 NE 1/4 Sec. 9 T. 13 R. 19
Indicate point of appropriation and place of use, if possible.

Signature of Owner William H. Randolph Jr.

Date December 30, 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.

442

215150

Copied
I received and filed this instrument for
record on the *20* day of *Dec* 19*63*
at *11.6* o'clock *A.M.* permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. HEINER County Recorder
By *[Signature]* Deputy
Fro *S. H. G.* Paid

RECEIVED

T. R. 899
County Missoula

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Van-Evan Co. Address Missoula, Montana
 Driller Glenn Camp, 705 Alder Address Missoula, Montana
 Date Started April 9, 1960 Date Completed April 20, 1960
 Portion of Location: Sec. 8 & 9 T. 13 N R. 19 W 1/4 sec.

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

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

Casing: 1' above ground to 107'-3" Type Seamless Size 10" I.D.
 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 3/8 by 3" 6 holes to the foot, total 84 holes
perforated from 89' from ground level to 102'
 Static Water level, for non-flowing well: 42' from ground level feet.

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

Pumping water level was not test pumped feet at _____ gal. per min.

How tested: Compressor 150 gal per min.

Length of test: 3 hours

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

(over)

File No. _____

T 13N R 19W

DUPLICATE

MONTANA WATER RESOURCES BOARD
REGISTRATIVE D

County Missoula

LOG

OCT 28 1969

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)

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

0-2 Topsoil

2-20 Tan Clay & Gravel

20-55 Yellow Clay & Gravel

55-74 Clay & Sand

74-108 Clay, Sand & Gravel

108-117 Sand, Gravel & Water

117-133 Tan Clay, Sand & Gravel

133-151 Gravel & Clay

151-153 Gravel, Clay & Water

153-180 Clay & Gravel

180-205 Gray Clay & Gravel

205-213 Brown Clay & Gravel

213-217 Boulders & Clay

217-224 Brown Clay & Gravel

Owner VAN-EVAN CO. Address P. O. Box 1502
Missoula, Montana

Driller Gleason Camp Address 1522 S. 14th W.
Missoula, Montana

Date of Notice of appropriation of groundwater NONE

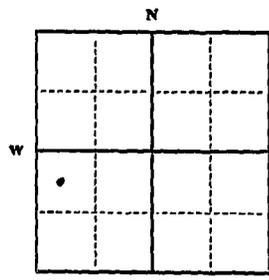
Date well started Feb. 1, 1969 Date completed Feb. 27, 1969

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)
12" D.	12" D. 44 lb per ft.	2' Above G.L.	125'	Mills Knife 3/8" x 3"	112'	118' 8 holes to round Rounds 1' apart



Static Water Level for non-flowing well
Drawdown-55' from 55 feet.
Shut-in Pressure for Flowing Well NA
Pumping Water Level 110 feet
at 140 gal. per minute.
Discharge in gal. per min. of flowing well NA

How Tested Test Pump
Length of Test 4 Hours

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

NW 1/4 of
S 1/4 Sec. 9 T13N R19W
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)
NA

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

Gleason Camp
Driller's Signature. Gleason Camp

45,771

1943

285850

I received and filed this instrument for
 record on the 24 day of Oct. 19 1943
 at 1:10 o'clock P.M. permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Verance R. Crouse, County Recorder
 By Ruth H. Smith, Deputy
 Fee \$..... Paid, Cash



100
 Printing Matter Paid 1.00
 Printing Matter for Record Book No. 1
 (1943) 1.00
 Total 2.00

File No.

T. 13W R. 19W

DUPLICATE

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level _____)

0 to 4' Top soil

4' to 10' Clay & gravel

10' to 15' Clay, gravel & boulders

15' to 36' Clay & gravel

36' to 45' Clay, gravel some boulders & water

45' to 61' Clay, gravel sand (Very little water)

61' to 65' Sand, gravel & water.

Owner: W.P. Staffner Address 1500 Idaho

Driller: Glenn Camp 705 Alder Address Missoula

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

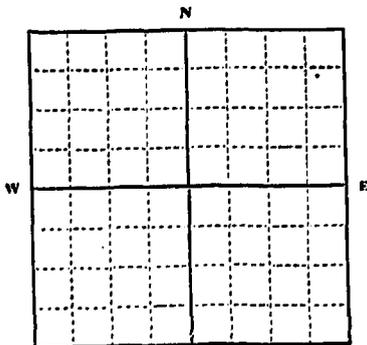
Date well started 3/30/63 Date Completed 4/9/63

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" I.L. seamless 14 lbs to foot	1'-4" above G.L.	to 65'	none		



1/4 Sec. 12 T. 13N R. 19W
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..... 35' from G.L. feet.

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

Pumping Water Level..... 40 feet at..... 50 gal. per minute.

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

How Tested..... Compressor 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).....

License # 7
Driller's License Number

Glenn Camp
Driller's Signature

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

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

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

DAIRY

204836

Copy

I received and filed this instrument for record on the 12 day of April, 1963 at 10:30 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNER, County Recorder
 By Mary S. Kelly Deputy
 Fee \$ 1.00 Paid

Q

File No. _____

T. 13 N. R. 19 W. 10

DUPLICATE

County _____

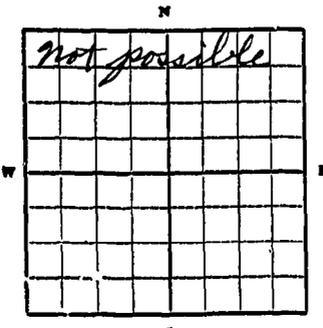
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1963

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

1. William H. Randolph Jr., of 1410 Wooden Ave. Missoula
(Name of Appropriatory) (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:



S.W. 1/4 Sec. 10 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 stock water and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been used continuously since 1913

4. The amount of groundwater claimed (in miner's inches or gallons per minute) I don't know

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 One acre
Sub. 1/4 Sec. 10 T. 13 R. 19
William H. Randolph Jr.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
S.W. 1/4 Sec. 10 T. 13 R. 19
Electric 2 inch pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater November 6, 1914 and completed in
June 1915

8. The depth of water table 180 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 mine tunnel big enough
to work in depth 180 feet

10. The estimated amount of groundwater withdrawn each year 116,800 gallons

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record I don't know of any
other information

Signature of Owner William H. Randolph Jr.
Date December 23, 1963

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

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

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

745

215-153

Copy
I received and filed this instrument for
record on the 30 day of Dec 1960
at 1:22 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN E. BROWN County Recorder
By [Signature] Deputy
Fee \$ 2.00 Paid

File No.

T 13 R 19

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 10 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level _____)

0 to 28' **Boulders, heavy clay & gravel.**

28' to 29' **water & gravel**

29' to 33' **Gravel & clay**

33' to 34' **Boulders**

34' to 38' **Fine gravel, sand & water**

38' to 41' **Gravel & clay**

41' to 50' **Sand, gravel & water**

50' to 58' **Boulders & clay**

58' to 64' **Water, sand & gravel**

64' to 67' **Gravel & clay**

Owner Home Matthews Address 1300 Elk Stanley

Driller Glenn Camp 705 Alder Address Missoula, Mont

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

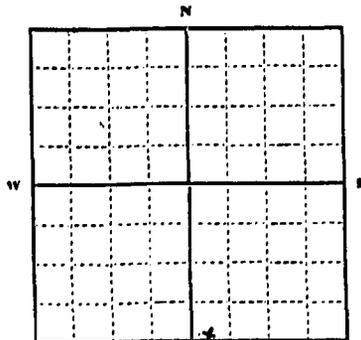
Date well started 9/9/63 Date Completed 9/17/63

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" I.D.	18" above G.L.				
	10.97 # per ft	to 65'-5"				



S.W. 1/4 S.E. Sec. 11 T. 13 N. R. 19

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 38' from G.L. feet.

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

Pumping Water Level 43' feet at 15 gal. per minute.

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

How Tested Water Length of Test 1 1/2 hours

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

Home Matthews

License # 7

Driller's License Number

Glenn Camp
Driller's Signature

W. J. Walker

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.

6302

#283 Copy 211214

I received and filed this instrument for
record on the 21st day of Oct 1963
at 11:15 o'clock A.M. permanent files
of Missoula County, State of Montana
- Witness my hand:
MARTIN S. BEHNER, County Recorder
By Diana M. ... Deputy
Fee \$ 1.00 Paid

Part of pages of size of ...
...
...

File No. _____

T 131 R 19

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

3, 1964

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)



Top of Ground
(Elev. above sea level.....)
0 to 7' Pit
7' to 43' Clay, gravel
& boulders
43' to 61' Sand, gravel
& water

Owner E.R. Mathew Address Rattlesnake, Missoula

Driller Glen Camp 705 Alder Address Missoula, Mont

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

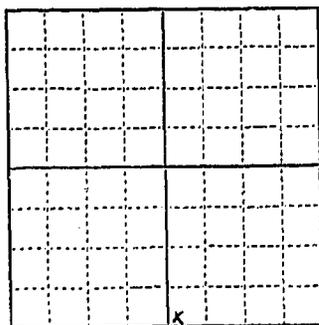
Date well started 9/26/61 Date Completed 10/4/61

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" I.D.	19 lbs to feet	6' below G.L.	to 61'	None		



5 W. 1/4 S.E. Sec. 11 T. 13. R. 19
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 23' from Bottom feet.

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

Pumping Water Level 23' from Bottom feet at 15 gal. per minute.

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

How Tested Bailer Length of Test 2 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) None

License # 7

Driller's License Number

Glen Camp
Driller's Signature

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

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

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

20293

1174

EXHIBIT

RECORDED

I received and filed this instrument for
 record on the 3 day of Dec 1963
 at 613 S. E. 1/4, 10 N., permanent files
 of Missoula County, State of Montana
 Witness my hand: County Recorder
 By Ethel Lane Deputy
 Paid

How Entered: Original Principal of Loan \$ 1000.00
 Disposition: Original Principal of Loan \$ 1000.00
 Disposition: Original Principal of Loan \$ 1000.00
 Disposition: Original Principal of Loan \$ 1000.00

RECEIVED

JAN 13 1972

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. X **The Montana Power Company**, of 40 E. Broadway Butte
(Name of Appropriator) (Address) (Town)

County of Silver Bow, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is domestic use and stock watering

(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 15 gpm

The estimated amount of groundwater to be used annually 150,000 gal.

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

5. The probable or intended date of first beneficial use December 7, 1971

6. The probable or intended date of commencement and completion of the well* or wells* _____

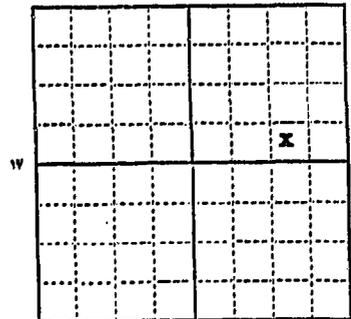
December 3, 1971

7. The location, type, size and depth of well or wells contemplated churn drill, 52 feet

8. The probable or estimated depth of the water-table or artesian aquifer 52 feet

9. The name, address, and license number of the driller engaged Camp Well Drilling
and Pump Supply, License No. 7

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



SE 1/4 NE 1/4 Sec. 11
T. 13 N R. 19 E

For Administrator's Use
File # 2220, 3114.53
January 7, 1972 1:38 P.M.

THE MONTANA POWER COMPANY
40 E. Broadway, Butte, Mont.

LOCATE WELL OR OTHER MEANS OF DEVELOPMENT AS ACCURATELY AS POSSIBLE ON THE PLAT.

Signature of Appropriator By W.W. Tallott Date Jan., 1972
Vice President

*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.

49,729

File No. _____

T. 13N R. 19W

DUPLICATE

County—Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

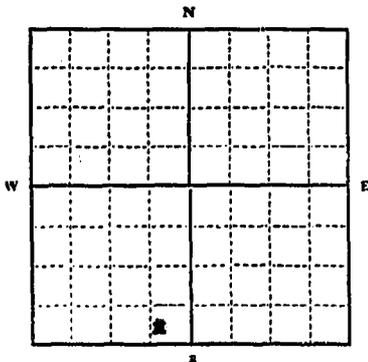
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

I, Emm K. Cummins, of Rt. Box 1306, Missoula,
(Name of Appropriator) (Address) (Town)

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



SE 1/4 Sec. 11 T. 19N 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
Irrigation & Domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
May 27, 1943 - Continuous

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
23.9 acres - grass trees Pt. SE 1/4 Sec. 11 TWP 19N Range 19W. Owner Emm K. Cummins.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
2HP Electric Motor Pump - 6 1/2 inch Pipe - #13 Oil well casing

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
May 20, 1943 and Comp. May 27, 1943. See Well Drillers Report State Board of Health Registration #16 June 2, 1943 - W.M. Ulrich

8. The depth of water table
31 feet water level in well - Draw Down 6 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
6 1/2 inch - 67 feet depth. Casing stands up 10 inches above floor level.

10. The estimated amount of groundwater withdrawn each year
2052000-gallons

11. The log of formations encountered in the drilling of each well if available
0 to 5+4' - Celler pump house - 5+4' to 36' gravel, boulders and some clay - 36' to 38' water, rusty color - 38' to 52' clay & gravel ash color very tight - 52' to 62' clay and gravel reddish - 62' to 64' gravel - 64' to 67' gravel & little clay tight.

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 Applicable

Signature of Owner Emm K. Cummins

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. 15277

66

215112

Copy
 I received and filed this instrument for
 record on the *11* day of *Dec* 19*43*
 at *10:32* 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
 For R. *2* P.R. *PR* Paid

File No. _____

DUPLICATE

T. 13^N R. 19^W
County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

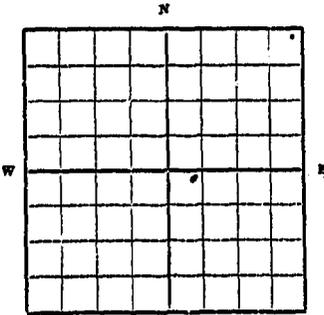
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

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

I, J. Neil Dahlstrom, of Rt. 4 E. Rathlene Missoula
(Name of Appropriator) (Address) (Town)

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



NW 1/4 SE 1/4 Sec. 11 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 use, watering of lawn
3. Date or approximate date of earliest beneficial use; and how continuous the use has been November, 1957
Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3.0 G.P.M.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Lawn - 1/4 acre J. Neil Dahlstrom
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump - well - S.E. corner of house
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater November, 1957
8. The depth of water table 20' 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 Drilled - 6" - 68' OF Drilling
PIPE 6" FIT - 74' FROM C.O.W.
10. The estimated amount of groundwater withdrawn each year Household use, LAWN
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

Driller Glenn Camp
705 Alder - Missoula
Licence # 7

Signature of Owner J. Neil Dahlstrom
Date December 21, 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.

T. _____ R. _____
County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Howard V. Dalsey Address Hattiemate, Missoula
Driller Glenn Camp 705 Alder Address Missoula, Montana
Date Started Feb 1, 1961 Date Completed Feb. 8, 1961

Location: Sec. 11 T. 12 N R. 19 W ¼ sec. SW¼ SW¼ SE¼ (PLATE-2)

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

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

Casing: 7' below ground level to 62'-6" Type Seamless 19 lbs to foot 6" I.D.
ft. to _____ ft. Size _____

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

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

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

Type of screen or perforations _____

Static Water level, for non-flowing well: 56' from ground level feet.

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

Pumping water level 56' feet at 20 gal. per min. no draw down

How tested: Bailer

Length of test: 2 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
File all 3 copies with the county clerk and recorder

File No. _____

T. 13 R. 19
County Missoula

DUPLICATE

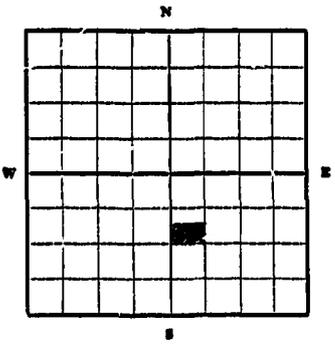
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 6 1963

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

1. William H. Drader of 3016 Brighton Av., Missoula
(Name of Appropriator) (Address) (Town)

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



NW 1/4 SE 1/4 Sec. 11, T. 13 R. 19
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres. 5 acres Plat B.

- The beneficial use on which the claim is based fire prevention, agriculture, livestock and domestic use.
- Date or approximate date of earliest beneficial use; and how continuous the use has been 1941 continuous use.
- The amount of groundwater claimed (in miner's inches or gallons per minute) Five (5) Gallons per minute
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 5 acres. Trees, gardens, lawns and pasture.
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal One 6" well, electric pump. Approximately 100' E. of W. property line and nearly centered between N & S property lines.
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Drilled to 57' in 1941. After well went dry it was drilled 3 additional feet to 60' in 1942.
- The depth of water table 60' to water table from surface of ground.
- 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 - drilled 6" casing 60' depth
- The estimated amount of groundwater withdrawn each year 900,000 Gallons per year
- The log of formations encountered in the drilling of each well if available not available
- 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 available.

Signature of Owner William H. Drader
Date Dec. 2, 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.