



File No. ....

T 9 S R 8 E

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER  
NOV 4 1964

### Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

**HOWARD W. KOSTRADE and** 1245 West Fulton St.  
Owner **CHRISTINE KOSTRADE** Address **Chicago 7, Illinois**  
**Van Dyken Drilling Co.** Bozeman, Montana

Driller..... Address.....

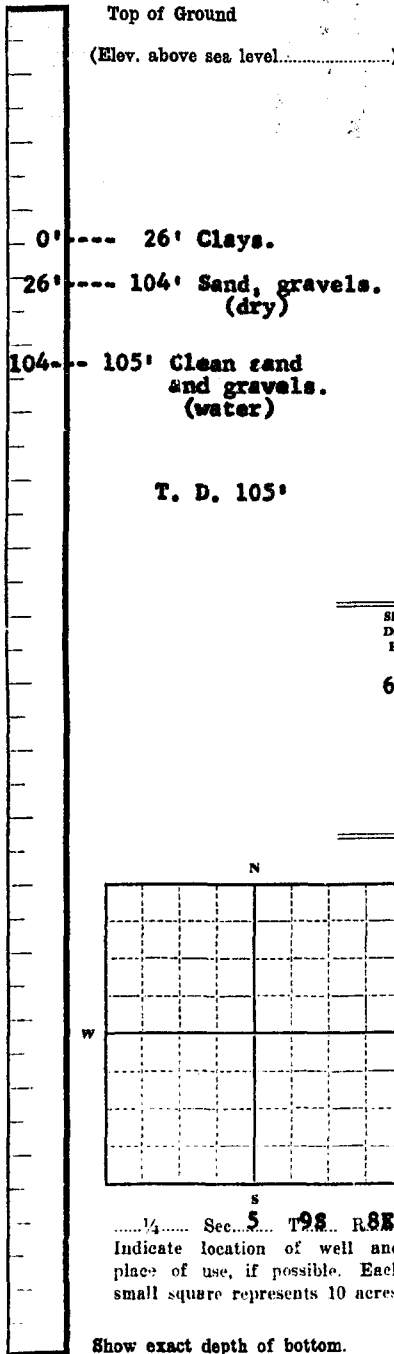
Date of Notice of Appropriation of Groundwater **None**

Date well started **Nov. 7, 1962** Date Completed **Nov. 12, 1962**

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

Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" O. D. #17	0'	105'		none	

Static Water Level for non-flowing Well **80'** feet.

Shut-in Pressure for Flowing Well **none**

Pumping Water Level **85'** feet at **24** gal. per minute.

Discharge in gal. per min. of flowing well **none**

How Tested **Baller** Length of Test **one 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).....

*Howard W. Kostrade*  
*Christine Kostrade*

License No. 1

Driller's License Number

*Bert Van Dyken*  
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.

32180

298452

Filed this 14<sup>th</sup> day of  
January A. D. 1964  
at 3:00 o'clock P. M.  
Margaret Ironical  
County Clerk and Recorder.

by fee \$2.00 Deputy.

File No. ....

T. 9-S R. 8 E

TRIPLICATE

County. Fark

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

RECEIVED  
 DEC 21 1963  
 STATE ENGINEER

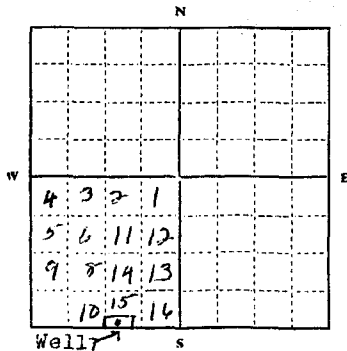
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Lyford W. Dore, of Box 334 Gardiner  
 (Name of Appropriator) (Address) (Town)

County of Fark State of Montana

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



Lot 15 1/4 SW Sec. 5 T9-S R8 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 and Lawn Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. August 31, 1957--Continuous since
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 Gallons
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 in lawn, flower and vegetable garden
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. House pump. Well 4 feet from house.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Aug. 20, 1957--Aug. 31, 1957
8. The depth of water table. 27 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. Drilled--5 inch casing--62 1/2 feet deep
10. The estimated amount of groundwater withdrawn each year. 150,000 gallons
11. The log of formations encountered in the drilling of each well if available. 0 to 30 feet--Hardpan plus rock 30 to 62 1/2 feet--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. Driller estimated incoming water of well at 650 gallons per hour

Signature of Owner Lyford W. Dore.

Date Dec. 24, 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.

Doc # 97785

Filed this 26<sup>th</sup> day of  
December A. D. 1963  
at 1:05 o'clock P. M.  
Margaret Monical  
County Clerk and Recorder.

fee \$ 3.00 Dollars

RECORDED IN BOOK OF VOLUMES PAGE

DATE OF FILING

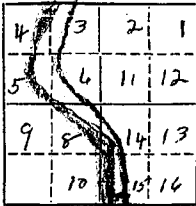


NOV 14 1957

T. 9-S R. 8-E  
County Park

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG



Owner Syford W. Dou Address Gardiner Mont.  
 Driller Ray Claus Address Clyde Park Mont.  
 Date Started Aug 20-57 Date Completed Aug 31-57  
 Location: Sec. 5 T. 9-S R. 8-E 1/4 sec. S.E.

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

Water use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other: \_\_\_\_\_

Casing: 0 ft. to 62 1/2 ft. Type Black 4 inch Size 6 inch casing

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: 77 ft feet.

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

Pumping water level 27-28 feet at 5 gal. per min.

How tested: From pump

Length of test: 4 hours

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

Cement around it

# 75980

Depth, feet		Description of Material Drilled	Filed this	day of
From	To			
0	30	Manganese + Rock	12	Aug
30	6 1/2	Gravel	13	Aug

Filed this 12 day of  
13 Aug 1957  
8:30 a.m. of  
Margaret Thomas  
County Clerk and Recorder,  
Nephus

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 Richard C. and W. J. Miller  
Address Box 55 Yellowstone Natl Park Wyo  
Date well started May 1971 completed July 5, 1971

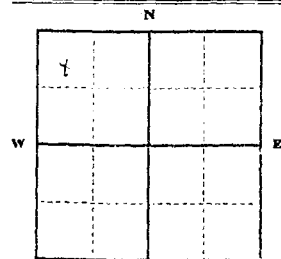
For Administrator's Use	
File	<u>121523</u>
GW 1	<u>July 13, 1971 2:15 PM</u>

Type of well Drilled (Dug, driven, bored or drilled)  
Equipment used Cable Tool (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)
<u>7"</u>	<u>6 5/8</u>	<u>Surface</u>	<u>174</u>	<u>well screen 45/50</u>	<u>174</u>	<u>190</u>
				<u>10 ft screen 4ft. 6 1/2"</u>		



Static water level 6 ft.\*  
Pumping water level 25 ft.\*  
at 20 gallons per minute,  
measured 20 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by 1000 Baller  
for 1000 Baller  
Power 3/4 HP  
Remarks: (Gravel packing, cementing,  
packers, type of shut-off)

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

Driller's Signature Hubert Drilling  
Driller's Address 10 One-way N Montana  
Hubert Drilling LICENSE NO. 47

DRILLER'S LOG

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

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0	3	soil
3	8	sand
8	22	sand & gravel
22	28	sand & mud water
28	38	sand
38	42	clay & sand
42	70	grey sand water
70	78	sand
78	80	sand & gravel clay
80	90	sand & gravel
90	92	rock & clay
92	104	clay gravel sand
104	108	very fine black sand some water
108	116	clay & sand
116	120	fine black sand water
120	128	sand
128	138	clay small rock
138	174	black sand water
174	186	black sand
186	190	black sand water

190ft Show exact depth of bottom

48738



# 121523

Filed this 13<sup>th</sup> day of

July A. D. 1971

at 2:15 o'clock P. M.

Margaret Tronice  
County Clerk and Recorder.

By \_\_\_\_\_ Deputy.

J. S. 2<sup>nd</sup>

File No. ....

T 9 S R 8 E

DUPLICATE

County Park

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

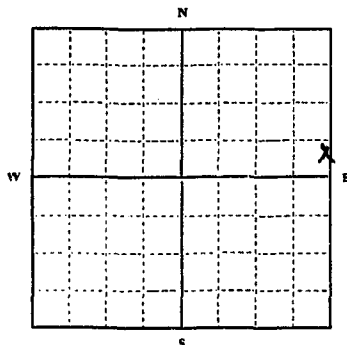
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
DEC 26 1963

STATE ENGINEER

1. Charles A. Mikolich, of Crown Springs  
(Name of Appropriator) (Address) (Town)  
County of Park State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



..... 1/4 ..... Sec. .... T. .... R. ....

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 15 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. 2 acres Spuds garden & pasture

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric Submersible Pump Section 6. T9S - R8E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Nov 10, 1957 Completed Dec 20 1957

8. The depth of water table. 80 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. drilled 6 in. steel casing 2.8 ft deep

10. The estimated amount of groundwater withdrawn each year. 3,650,000

11. The log of formations encountered in the drilling of each well if available. 30 ft Clay 60 ft gravel 130 ft quick 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. none

Signature of Owner Charles A. Mikolich

Date Dec 23, 1963

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

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

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

1228912397

Doc. # 97715

Filed this 23rd day of

December, D. 1963

at 2:00 o'clock P. M.

Margaret Mansel  
County Clerk and Recorder.

By Debra Jane Lee  
Deputy

fee - 2.00



Doc. # 122675

Filed this 16<sup>th</sup> day of

November A. D. 1921

at 1:37 o'clock P. M.

Margaret Monick  
County Clerk and Recorder.

By [Signature]  
Chief Deputy.

Fee \$2.00

File No. ....

T. 9S R. 8E

DUPLICATE

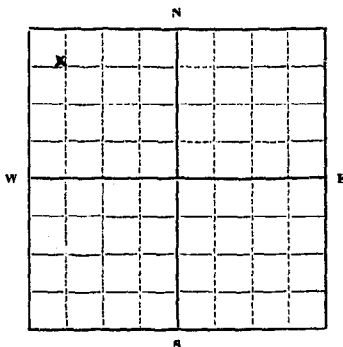
County Park

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

RECEIVED  
 NOV 20 1963

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

1. Northern Pacific Railway Co., of N.P. Section House Electric  
 (Name of Appropriator) (Address) (Town)  
 County of Park State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW ¼ NE Sec. 8 T. 9S R. 8E

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 purposes

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....  
Nov. 10, 1927 to present

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....  
10 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.....  
Jet pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....  
Completed Nov. 10, 1927

8. The depth of water table..... 62 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.....  
3 inch drilled well, 7 1/2 feet deep

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

11. The log of formations encountered in the drilling of each well if available..... see attached log 18

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....  
None

Signature of Owner..... *[Signature]*

Date..... 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.

ONT.  
ft. Comp. 11-10-27.

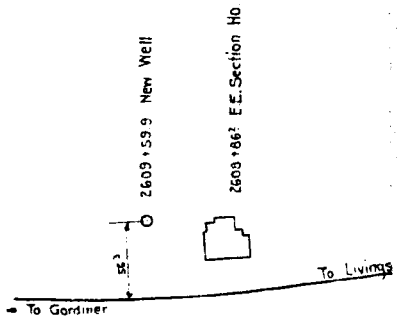
MON  
Rocky Mountain

97034

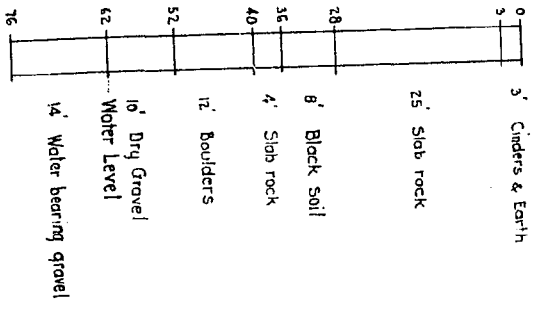
Filed this 19 day of  
November A. D. 1963  
at 2:35 o'clock P. M.

Emmal Barrows  
County Clerk and Recorder.  
Deputy.

Fee \$ 2.00

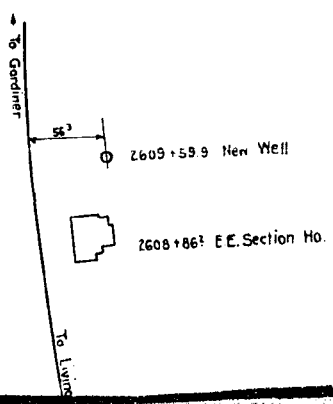


0550



**ELECTRIC, MONT.**  
 5" Drilled Well. Total Depth 76 ft. Comp. 11-10-27.

Rocky Mountain  
 NO. 1



Filed this 1st  
 November A.D. 1927  
 at 2:35 P.M.  
 County Clerk and Recorder  
 Conover & Co.  
 Paid \$ 2.00

970.34



File No. ....

T. 95 R. 8E

DUPLICATE

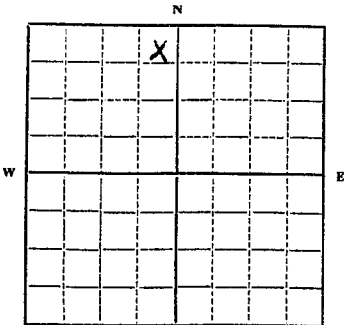
County PARK

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
NOV 18 1963

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

1. ERNEST A RIFE, of GARDINER, MONTANA  
(Name of Appropriator) (Address) (Town)  
County of PARK State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 8 T. 95 R. 8E

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. HOME LIVESTOCK, IRRIGATING, LAWN AND GARDEN

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. JANUARY 10, 1936 CONTINUOUS EVER SINCE

4. The amount of groundwater claimed (in miner's inches or gallons per minute). FIVE GALLONS A 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. 1/10 OF AN ACRE PORTION OF LOT 2 ERNEST A. RIFE

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. ELECTRIC PUMP 58 TWP 95 R8E 8E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. JANUARY 3, 1936 COMPLETION JANUARY 14, 1936

8. The depth of water table. 43 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. SIX INCH DRILLED WELL SIXTY FIVE FEET DEEP

10. The estimated amount of groundwater withdrawn each year. 108,500 GALLONS A YEAR

11. The log of formations encountered in the drilling of each well if available. 20 FOOT CLAY SOIL 45 FEET 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. NONE

Signature of Owner Ernest A Rife

Date Nov 15 - 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.

Doc. 96967

Filed this 15th day of

November A. D. 1963

at 11:40 o'clock A. M.

Margaret Monical

County Clerk and Recorder.

By Thomas Bowers  
Deputy.

Fees \$2.00

File No. ....

T. SS R. SE

DUPLICATE

County Park

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

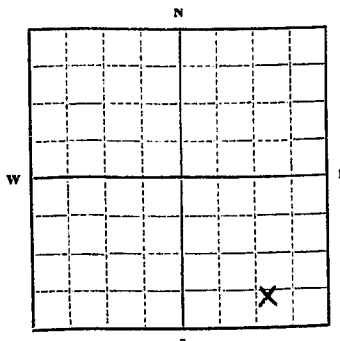
RECEIVED  
DEC 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. United States of America of Box 5 Gardiner  
(Name of Appropriator) (Address) (Town)  
County of Park State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 13 T. 9S R. 8E

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  
Eagle Creek Fish & Game Cabin
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1935; yearly
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). Estimated - 0.8 miner's 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  
N/A
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Shallow well with hand pump located in SE4 Section 13, T9S, R8E, PM - Eagle Creek drainage
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1935
- 8. The depth of water table. Estimated - 4 - 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. Not known
- 10. The estimated amount of groundwater withdrawn each year. Estimated - 5,000 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. N/A

Signature of Owner. By Charles R. ...  
District Forest Ranger  
Date 10/2/63

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.

12407  
~~12344~~

Doc # 97728

Filed the 23<sup>rd</sup> day of

December A. D. 1963

at 2:15 o'clock P. M.

Margaret Inoué  
County Clerk and Recorder.

By \_\_\_\_\_ Payable

fee \$ 2.00

File No. ....

T. 9 S. R. 8 E

DUPLICATE

County Park

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECORDED  
DEC 30 1963

Declaration of Vested Groundwater Rights

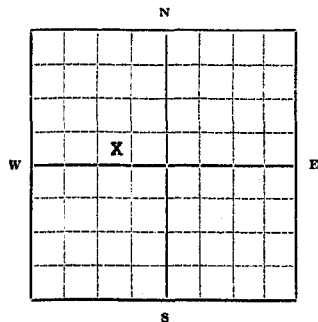
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

M.

1. Glesson and Betty C. Hayes, of Box 167 Gardiner  
(Name of Appropriator) (Address) (Town)

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



SW 1/4 NW 1/4 Sec. 14, T. 9 S. R. 8 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 Well for Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935 - Not now being used. However, expect to in the near future

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Plans to use the well for irrigating 50 acres in Section 14, T. 9 S. R. 8 E by Glesson M. Hayes

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Cased well, without pump at present time. Located in SW 1/4 NW 1/4, Sec. 14, T. 9 S. R. 8 E

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

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 the well is 36 feet deep, 6 inch casing

10. The estimated amount of groundwater withdrawn each year During the past 10 years, water has not been withdrawn

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 Betty C. 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.

Acc. # 97589

Filed this 27<sup>th</sup> 1963

December 27, 1963

at 2:43 P.M.

Margaret M. ...  
Clerk, Clerk and ...

By Betty Jane ...

for \$2.00

GW 2

File No. ....

DUPLICATE

92  
8E-15  
T. R. R. 15  
COUNTY JANA 1964

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE ENGINEER  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Hubert Link Address .....

Driller Donald C. Jones Address 633 E. Hamme Bozeman

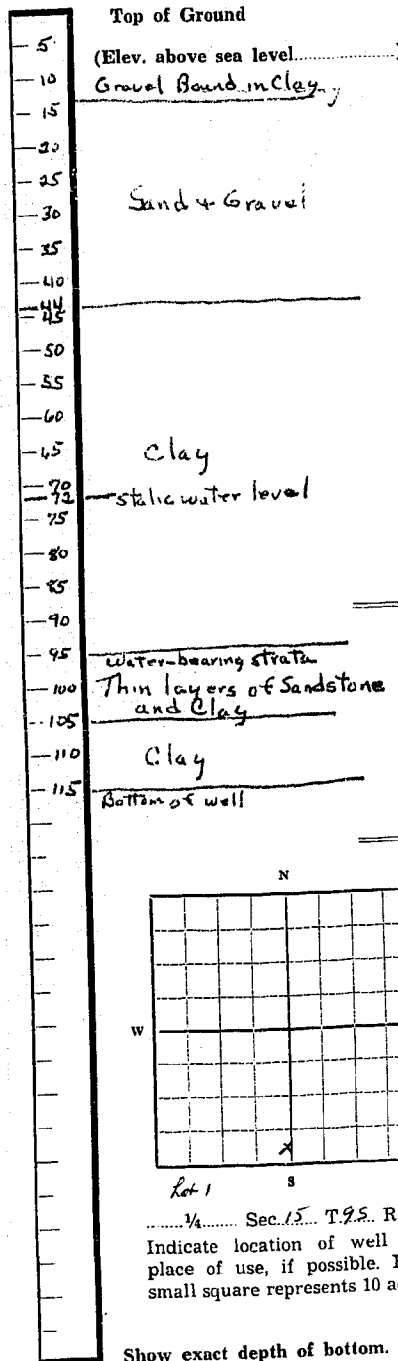
Date of Notice of Appropriation of Groundwater .....

Date well started Jan. 31, 1963 Date Completed Feb. 20, 1963

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

Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 in.	6 5/8" O.D., 19 #	1' above Surface	95'	None	None	None

Static Water Level for non-flowing Well 72 feet.

Shut-in Pressure for Flowing Well Not Applicable

Pumping Water Level 115 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well Not Applicable

How Tested Pump Length of Test 1 1/2 hrs.

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) Now at Present

Driller's License Number 17

Driller's Signature Donald C. Jones

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

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

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

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Mines  
28942

See # 98373  
dated this 8th day of  
January A. D. 1964  
at Marquette  
S. O. M. M. M. M.  
Clerk and Recorder.  
by Betty Jane Lee  
Deputy.  
fee 2.00



File No. ....

T. 9<sup>2</sup> R. 8<sup>E</sup>

DUPLICATE

County: [Blank] JAN 9 1964

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, Hubert Link, of Box 21, Gardiner, Montana  
(Name of Appropriator) (Address) (Town)  
County of Park, 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  
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 10.5 gpm Per Minute

4. The annual period (inclusive dates) of intended use Do not know at Present

5. The probable or intended date of first beneficial use Do not know at Present

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

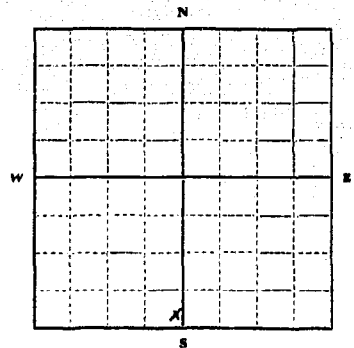
Completed Feb 20 1963 to present depth well probably deeper when plans for use of land are finalized

7. The location, type, size and depth of well or wells contemplated Lot 1 Sec 15 T 9S R 8E Drilled 6" 115ft

8. The probable or estimated depth of the water table or artesian aquifer Shalin water table 17'

9. Name, address and license number of the driller engaged D.C. Jones, E 623 Lamm Ave, Bozeman, Montana license # 17

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



Lot 1  
1/4 Sec. 15, T. 9S, R. 8E  
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Hubert Link

Date 12.10.1963

\* 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.

2894

File No. ....

T 95 R 8E

15

DUPLICATE

County

RECEIVED  
JAN 9 1964

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. I, Hubert Link, of Box 27 Gardiner Montana  
(Name of Appropriator) (Address) (Town)  
County of Pondera, 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  
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 10 gpm Per Minute

4. The annual period (inclusive dates) of intended use Do not know at Present

5. The probable or intended date of first beneficial use Do not know at Present

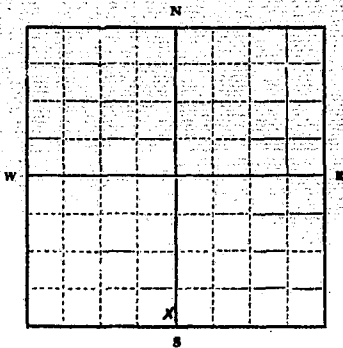
6. The probable or intended date of commencement and completion of the well\* or wells\*  
Completed Feb. 70, 1963 to present depth well probably bottom when plans for use of land are finalized

7. The location, type, size and depth of well or wells contemplated  
Lot 1 Sec 15 T 95 R 8E Drilled 6" 115ft

8. The probable or estimated depth of the water table or artesian aquifer Static water level 7'

9. Name, address and license number of the driller engaged  
D. C. Jones, 5433 Terrace Ave, Bozeman, Montana license 517

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



Lot 1  
1/4 Sec. 15 T 95 R 8E  
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Hubert Link

Date 12-21-1963

\* 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.

2874

Doc # ~~9777~~  
Filed this ~~30~~th ~~day~~ of ~~December~~  
~~1963~~  
at ~~8:00~~ o'clock ~~A. M.~~  
~~Margaret Monical~~  
~~County Clerk and Recorder~~  
By ~~Betty Jane Lee~~ Deputy  
fee - 2.00

Doc # 98372  
Filed this 8th day of  
January A. D. 1964  
at 8:00 o'clock A. M.  
Margaret Monical  
County Clerk and Recorder  
By Betty Jane Lee  
Deputy  
fee - 2.00

File No. ....

T. 9S R. 0E LOT 1 AND 3

DUPLICATE

County Park

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

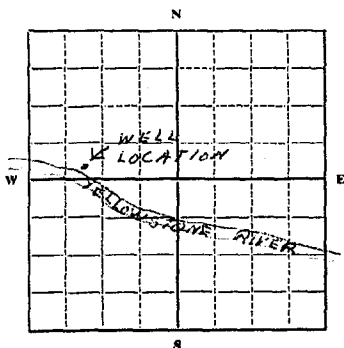
RECEIVED  
 DEC 30 1963  
 STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. Donald G. Ramer, of Box 82 Gardiner  
 (Name of Appropriator) (Address) (Town)

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



S. 1/4 NW 1/4 Sec. 23 T. 9S R. 0E

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 irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 1, 1950 It has been used continuously since this date.

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 lawn and garden

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 date of commencement - December 1949  
date of completion - March 1950

8. The depth of water table 20 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 none

10. The estimated amount of groundwater withdrawn each year 160,000 gallons

11. The log of formations encountered in the drilling of each well if available none

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 Donald G. Ramer

Date November 1, 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.

15475

# 97935

Filed this 27 day of  
December A. D. 1963  
at 3:29 o'clock P M  
Margaret Monical  
County Clerk and Recorder.

by Joe J. O. Deputy.

File No. ....

T 9 S R 8 E

DUPLICATE

County Park

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
FEB 21 1964

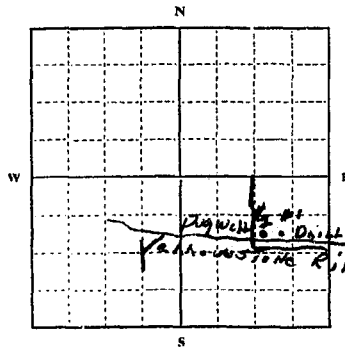
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Eldon J. Tyson, of Box #204 Gardiner  
(Name of Appropriator) (Address) (Town)

County of Park 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...  
Domestic Household Use & Lawn Watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been...  
Drilled Well #1 1946 Continually  
Dug Well #2 1955 Continually

4. The amount of groundwater claimed (in miner's inches or gallons per minute)...  
30 Gal. Per. Min. Well #1  
60 Gal Per. Min. Well #2

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 Watering

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal...  
Deep Well Type Jet Pumps, Electric

NE 1/4 Sec. 23 T. 9S R. 8E

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...  
#1 Drilled Well Started in 1942, completed in 1946  
#2 Dug Well Started spring of 1955 & completed that year.

8. The depth of water table...  
#1 Drilled Well Varies from 35' to 45' Dug Well Varies from 20 to 30'  
Variation is due to the nearness to the Yellowstone River.

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 #1 cased in 4" Steel Casing, 55ft. Deep

Dug Well #2 is 5' x 5' x 30' Deep, this well is enclosed by concrete to a depth of 30'

10. The estimated amount of groundwater withdrawn each year...  
#1 Well 100,000 Gal.  
#2 Well 2,000,000 Gal.

11. The log of formations encountered in the drilling of each well if available...  
Sand, Gravel and Granite 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...  
Property walls are located on are recorded in Deed Book #94 - Page #1

Signature of Owner... Eldon J. Tyson

Date Feb 7, 1964

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.

doc # 98804

Filed this 20<sup>th</sup> day of

February A. D. 1964

at 3:20 o'clock P. M.

Marquet Monesi

County Clerk and Recorder.

By John James Lee

Deputy

fee \$ 2.00

File No. ....

DUPLICATE

T. 1<sup>st</sup> R. 8<sup>th</sup> E. 23  
County. PARK

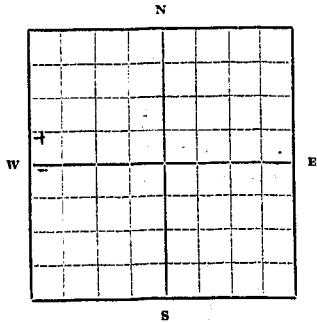
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
STATE ENGINEER

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

We Theodore Kethman & Martha Kethman, of Box 7, Gardiner, Montana,  
(Name of Appropriator) (Address) (Town)

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



..... 1/4 Sec. .... T. .... R. ....

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) .....  
3 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 .....  
One acre of ground  
Land situated in North portion of Lot 1 of Section 23, Township 9 S., R 8 East.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal .....  
Withdrawn by means of an electric pump. Pump located on Southwest corner of the piece of land above.

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

8. The depth of water table .....  
Twenty seven feet. two feet of water in 2" pipe.

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 .....  
Drove a 2 inch pipe down 27 feet, and have used the pump on this for days at a time and still have plenty of water. Do not know how much water is available.

10. The estimated amount of groundwater withdrawn each year .....  
110,000 gallons last year.

11. The log of formations encountered in the drilling of each well if available .....  
In drilling we hit large boulders and sand. No 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 .....  
Never filed on this water before.

Signature of Owner Theodore Kethman

Date February 12, 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 School of Mines and Quadruplicate for the Appropriator.

150



491074

Filed this 13<sup>th</sup> day of  
February A. D. 1962  
at 2:25 o'clock P. M.  
Margaret Monical  
County Clerk and Recorder.  
for Fee \$ 2<sup>00</sup> Deputy

File No.....

T. 9S R. 8E

DUPLICATE

County..... Park

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

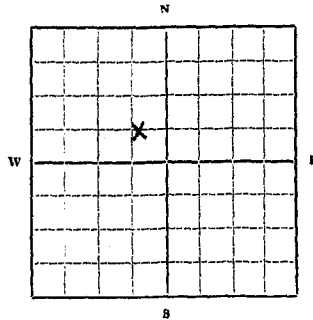
RECEIVED  
DEC 26 1963

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

STATE ENGINEER

1. United States of America of Box 5 Gardiner  
(Name of Appropriator) (Address) (Town)

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



S.E. 1/4 NW 4 Sec 23 T9S R8E

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 lawn irrigation - Gardiner Administrative Site

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well drilled in 1959; put into use in December 1962; use is daily.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 60 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 - approximately 3 acres - Gardiner Administrative Site, U.S.D.A. - Forest Service, Gallatin National Forest

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Submersible pump in 8" casing; located on Northwest corner of Lots 1 & 3, SE 1/4 NW 4, Section 23, T9S, R8E, PM.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well drilled in 1959; pumps installed in 1962.

8. The depth of water table Approximately 86 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 put down about 112 feet.

10. The estimated amount of groundwater withdrawn each year Approximately 200,000 gallons for presently 5 buildings and lawn.

11. The log of formations encountered in the drilling of each well if available Available from Regional Forester, U.S. Forest Service, Federal Building, Missoula, Montana

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 N/A

Signature of Owner: United States of America  
Charles R. ...  
District Forest Ranger  
Date: 10/24/63

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

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

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

Doc 9773 d

Filed this 23 day of

Dec A. D. 1963

at 3:15 o'clock P. M.

Margaret Troniceal  
County Clerk and Recorder.

For \_\_\_\_\_ Dollars.

fee \$ 2.00

RECEIVED  
MAR 3 1959  
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 9 South R. 8 East  
County Park

WATER WELL LOG


Owner R. C. & Bessie Faye McLeod Address Gardiner, Montana  
Driller Ray Claus Address Clyde Park, Montana  
Date Started February 1, 1959 Date Completed February 27, 1959  
Location: Sec. 23 T. 9 S R. 8 E M.P.M.  
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: 0 ft. to 68 ft. Type Black Steel Size 1/2 in. thick, 6 in. 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: \_\_\_\_\_

Static Water level, for non-flowing well: 24 feet.

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

Pumping water level: 8 feet at 12 gal. per min.

How tested: Failer

Length of test: One hour

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

None

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	6	Dirt
6	30	Hardpan
30	99	Blue Clay

# 80933  
 # 80933  
 50 ft. Aug 08  
 19' 5" 1959  
 19' 5" 1959  
 Margaret M...  
 County Clerk and Recorder  
 Bonanza, Nevada  
 17th Street

File No. ....

T. 9 S. R. 8 E

DUPLICATE

County Park

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

OCT 3 1963

Notice of Completion of Groundwater Appropriation by Means of Well

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

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

0- 5' TOP soils and gravels.

5'- 54' Sand, gravels and large boulders.

54'- 55' Yellow clay.

55'- 68' Sand, gravels with clay binder.

68'- 70' Sand, medium size

70'- 88' Sand clays,

88'- 92' Coarse sand, (clean.)

T.D.-92'

Blanding Station Gardner, Mont.  
Owner U.S. Forest Service Address.....

Driller Van Dyken Drilling Co. Address Bozeman, Mont.....

Date of Notice of Appropriation of Groundwater none.....

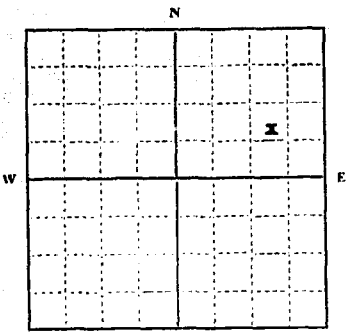
Date well started April 23/63 Date Completed May 2/63

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

Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" O.D. 19#	0	92'	none		



NE 1/4 of Sec 24 T. 9S. R. 8E  
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 25' feet.

Shut-in Pressure for Flowing Well none

Pumping Water Level 57' feet at 6 gal per minute.

Discharge in gal. per min. of flowing well none

How Tested Bailor Length of Test 1 Hr.

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

acres irrigated, if used for irrigation)

Domestic water supply

License No. I

Driller's License Number

Beit Van Dyken  
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.

677

Doc # 96552

Filed this 2<sup>nd</sup> day of

October A. D. 1963

at 10:30 o'clock a M.

Margaret Monahan  
County Clerk and Recorder.

By \_\_\_\_\_ Deputy.

fee \$ 2.00

File No. STATE WATER CONSERVATION BOARD

T. 9. S. R. 8. E.

DUPLICATE

JUN 26 1967

County Park

Bill \_\_\_\_\_ McDonnell \_\_\_\_\_  
 Butler \_\_\_\_\_ Menzies \_\_\_\_\_  
 Coyne \_\_\_\_\_ Morton \_\_\_\_\_  
 Darlington \_\_\_\_\_ Sullivan \_\_\_\_\_  
 Dickert \_\_\_\_\_

**STATE OF MONTANA**  
**ADMINISTRATOR OF GROUNDWATER CODE**  
**OFFICE OF STATE ENGINEER**

Top of Ground

(Elev. above sea level)

0-10 Rock gravel  
 10-12 Rock  
 12-20 Clay & Rock  
 20-28 " "  
 28-32 Rock  
 32-36 Rock clay  
 36-40 Rock  
 40-41 Clay  
 41-42 Gravel & water  
 42 Bottom of well

**Notice of Completion of Groundwater**  
**Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

Owner Jack M. Hoppe Rockford, Minn.  
 Jean E. Foster Livingston, Montana

Driller Donald B. Hulbert Address N. 1. Argonne Mont

Date of Notice of Appropriation of Groundwater

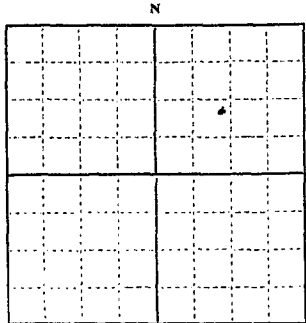
Date well started May 7 1964 Date Completed July 19 64

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)
7"	6 5/8" 17 lb.	0	22	None		



N. 24 Sec. 2 T. 22 R. 8 E.  
 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 29 feet.

Shut-in Pressure for Flowing Well -

Pumping Water Level 38 feet at 6 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Surber Length of Test 1 hr

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

None

47 Driller's License Number

Donald B. Hulbert 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.

112 157



Doc # 109437

dated this 23rd day of  
June A. D. 1967  
at 4:25 o'clock P.M.  
Margaret Monreal  
County Clerk and Recorder.  
By Emma Bowers Deputy  
\$2.00 fee



GW 4  
File No. \_\_\_\_\_

T 9E R 9E  
County Park

*Sup.*

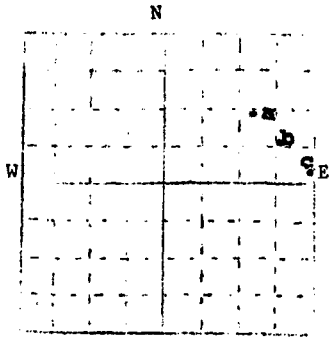
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1963)

*Jardine*  
STATE ENGINEER

1. Violet Cunningham, of \_\_\_\_\_, of \_\_\_\_\_  
(Name of Appropriator) (Address)  
County of Park State of Montana

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



NE 1/4 Sec. 8 T. 9E R. 9E  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuously since 1890

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

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 No artificial devices are used to withdraw the water from the ground

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Not applicable

8. The depth of water table 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 a and b are developed by minor excavation. c flows into a steel tank

10. The estimated amount of groundwater withdrawn each year Unknown

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 Not applicable

Signature of Owner *Violet Cunningham*  
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.

# 98278

FROM 31 day of

Dec A. D. 1963

4:06 o'clock P. M.

Margaret Donohue  
County Clerk and Recorder.

for \$ 2.00 Debit

GW 2

Rose Placer Sur 6-578  
95 9E  
T R

File No. ....

DUPLICATE

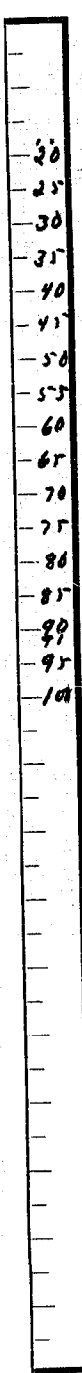
County Park

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER JUN 5 1963

**DECEIVED**

**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

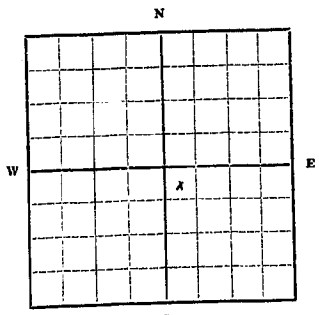


Top of Ground Surface  
(Elev. above sea level 6500)

Sandy Clay & Boulders

Clay

Sand & Gravel



S.E. 1/4 Sec. 8 T. 7 S. R. 9 E  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Owner Oliver J. Warmak Address Cardigan, Mont  
Driller Donald C. Jones Address Bozeman, Mont.

Date of Notice of Appropriation of Groundwater .....  
Date well started Feb. 21-1963 Date Completed Mar. 7-1963

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

Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD 19'	1" above surface	100'	None	None	None

Static Water Level for non-flowing Well 28 feet.

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

Pumping Water Level 100 feet at 40 gal. per minute.

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

How Tested Pump Length of Test 3 1/2 hrs.

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

17  
Driller's License Number

Donald C. Jones  
Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.  
Please answer all questions. If not applicable, so state, otherwise the form will be returned.  
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

4564

Doc # 95625

Filed this 4<sup>th</sup> day of  
June A. D. 1963  
at 10:15 o'clock a. M.  
Margaret M. McCall  
County Clerk and Recorder.  
By Betty Jane Lee  
Deputy.

File # 200







doc 97733

Filed this 22 day of  
Dec A. D. 1963  
at 3:15 o'clock P. M.  
Margaret Monice  
County Clerk and Recorder.

No. fee 2.00 1124110

GROUNDWATER INDEX

Page 1 of 1

County Clark County Twp. 9 S Rge. 14 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
25	Richard W. Edwards	GW3	115351	
25	Richard W. Edwards	GW3	107228	
25	Richard W. Edwards	GW3	106969	
25	Richard W. Edwards	GW3	103828	
25	Howard H. Hennrichson	GW3	102666	
25	Raymond + Rose Miley Muro	GW4	98325	
25	U. J. A.	GW4	97735	
26	W. H. Pemberton	GW3	95803	
27	George E. Thomas Louise Miller Jones	GW2	18223	
33	Frank H. Reed	GW3	107319	
33	Adolph F. Favens	GW3	105444	
33	Constance S. Cooper	GW4	96706	
33	Constance S. Cooper	GW2	122296	
33	Ripley C. + Flora Pettit	GW2	12265-8	
33	Dorrie M. Bancroft	GW2	122786	
33	J. W. + Bateman	GW2	122499	
33	George M. + A. Annie Harmon	GW2	111726	
34	Robert V. + Maxine R. Maguire	GW2	133431	
34	Arthur C. Zimmerman	GW2	116493	
34	Dale + Daley Alley	GW2	110233	
34	Dale + Daley Alley	GW2	110232	
34	Dale + Daley Alley	GW2	116322	
1167	Margaret + Becht + Virginia Cook Pittman	GW4	96727	
1167	Margaret + Becht + Virginia Cook Pittman	GW4	96730	

File No. ....

T. 9 S. R. 14 E. Sec 25  
NE 1/4 of N.W. Quarter  
of Sec. 25  
County. PARK

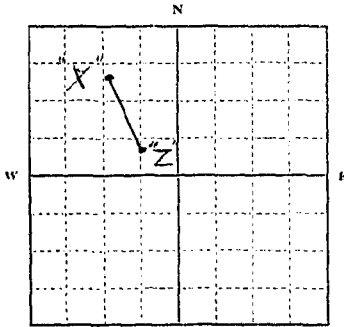
DUPLICATE MONTANA WATER RESOURCES BOARD  
**RECEIVED**

STATE OF MONTANA  
JUL 16 1969 ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: August 25, 1966  
Owner: Richard W. Edwards Address: Cooke City, Mont.  
Contractor (if any) Appropriation Work done by Owner  
Address of Contractor Not Applicable  
Date Started August 19, 1966 Date Completed August 25, 1966



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Groundwater obtained by inserting a wooden channel or trough against and into the cavity or orifice in the bank or hillside, from which the flow of water emerges, and collecting the flow from the trough in a redwood board box, or small tank, which, in turn, discharges through a one inch round hole (outlet) into a plastic pipe or hose.

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

NE 1/4 of NW 1/4 Sec. 25 T. 9S R. 14 E

Indicate point of appropriation and place of use, if possible.  
"X"-Pt. of Approp'n is located approx. 1000 (one thousand) feet North 28 degrees west from the NE Corner of lot 15 in Sec. 8 of the Republic Addition to Cooke City Montana in Park County. "Z"-point of use of water - is summer residence on lots 26-27-28-29 and residence on lots 9 & 10 all in Sec. 8 of Republic Addition to Cooke City in Park County, Montana.

estimate approximate lengths of periods of use. The quantity of water developed is estimated at approx. 1/60 cu. ft. per second of time or approx. 2/5 miners inches. The approx. quantity was determined by measuring the flow from the redwood box, during a fixed period of time, in a container of known volume. Water is for domestic use only at summer residence of Richard W. Edwards situated on lots 20 to 29 incl. in Republic Addition to Cooke City, Montana, & also, as circumstances may require, at summer residence of George Haugue- adjacent to Edwards in Cooke City, Park County Montana. Approx period of use- January to about Oct. 1st annually.

Signature of Owner: Richard W. Edwards  
Richard W. Edwards  
Date: July 11, 1969

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

This notice has been prepared and filed at the Park County Court House for the purpose of correcting the description of the location of the point of appropriation as was set forth in the notice dated August 25, 1966 and filed in the records of Park County, Montana as Document # 107228 on August 29th, 1966. A copy of this notice is posted at the location of the point of appropriation where a copy of the previous or original notice was placed on August 26, 1966. The date of posting of this corrected notice is July 11, 1969.

45438

No. # 115351

Filed on 15<sup>th</sup> day of

July A.D. 1969

at Los Angeles Cal.

Margaret Monrad

Opping Clerk and Recorder.

By Wesley James Lee Deputy.

Fee \$2.00



File No. \_\_\_\_\_ AUG 30 1966 T. 2 S. R. 14 E - Sect. 25  
 DUPLICATE \_\_\_\_\_ County Park  
 STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

## Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater August 25, 1966

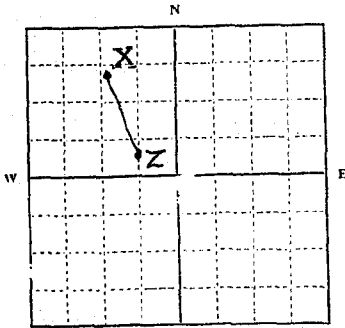
Owner Richard W. Edwards Address Cooke City, Mont.

Contractor (if any) Appropriation work done by owner

Address of Contractor Not Applicable

Date Started August 19, 1965 Date Completed August 25, 1966

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Groundwater obtained by inserting a wooden channel or trough into the cavity or orifice in the hillside, from which the flow of water emerges, and collecting the flow from trough in a refoed board box which in turn discharged into through a one inch round hole (outlet) into a plastic pipe or hose.



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. The quantity of water developed is estimated at approximately 1/60 cu. ft. per second of time or approx. 2/3 miners inches. The approximate quantity was determined by measuring the flow from the box during a fixed period in a container of known volume. Water is for domestic use only at summer residences of Richard W. Edwards and George Haugue in Cooke City, Park County, Mont.-Approx. period of use -June 1st to about Oct. 1st. annually.

Indicate point of appropriation and place of use, if possible.  
 "X"-Pt. of Appropriation is located about 1100 feet North 22 degrees west from the N.E. Corner of lot 13 in Sect. B of the Republic. Add'n to Cooke City in Park County, Mont. "Z"-Pt. of use is summer residence on lots 26-27-28 -29 and residence on lots 9 and 10 in Sec. B. of Rep. Add'n to Cooke City, Montana.

Signature of Owner Richard W. Edwards  
 Richard W. Edwards

Date August 25, 1966

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.

Ac. # 107228

Miled this 29th day of

August A. D. 1966

at P.O. P.

Margaret Monicall  
Agent Clerk and Receiver.

By Betty Jane Lee  
Deputy.

Fee \$2.00

File No.....

T. 9 S. R. 14 E - Sect. 25

DUPLICATE

For The State Engineer  
State of Montana

County Park CONSERVATION BOARD  
STATE

AUG 2 1966

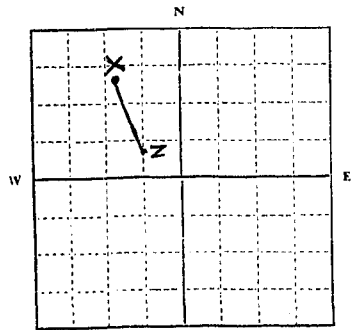
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Bureau of Reclamation  
Bureau of Land Management  
Columbia River  
Department of the Interior  
Division of Water

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater..... July 14, 1966  
Owner..... Richard W. Edwards Address..... Cooke City, Montana  
Contractor (if any)..... Appropriation work done by owner  
Address of Contractor..... ~~Not Applicable~~ Not Applicable  
Date Started..... August 19, 1965 Date Completed..... July 14, 1966



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Ground water obtained by inserting a length of iron pipe of approx. 1 1/2" in the hillside orifice from which flow emerges, and collecting flow in a basin excavated just forward and below end of said pipe. Water was actually collected in a box 8" x 8" x 20 inches placed in the basin excavated as heretofore stated. Water was drawn from the collecting box through a pipe inserted in the redwood board forming the front or downhill side of the box.

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. The quantity of water developed is estimated at about 1/80 cu. ft per sec. of time or approx. 1 and 2/3 miners inches. The quantity was determined by measuring the flow within a fixed time period in a container of known volume. Water is for domestic use only at summer residence located on lots 26-27 and 28 & 29 in Sec. B Repub. Add. to Cooke City, Mont. in Park County. Period of use June 1st to Oct. 1st each year

Indicate point of appropriation and place of use, if possible.  
"X" Pt. of Appropriation is located about 1090 feet North 19 degrees west from the N.E. corner of Lot 13 in Sec. B of the Repub. Add'n to Cooke City Montana in Park County. "Z" Pt of use is summer residence on lots 26-27-28-29 in Sec. B of Republic Add'n to Cooke City, Montana.

Signature of Owner..... Richard W. Edwards  
Richard W. Edwards  
Date..... July 14, 1966

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.

11/266

Doc. # 106969

Filed this 1st day of  
August A. D. 1966  
at 1:00 o'clock P. M.  
Margaret Monical  
County Clerk and Recorder.  
By Scott James Deputy.  
Fee \$ 2.00



File No.

**R E C E I V E**  
**D**

T. 9 S. R. 14 E - Sect. 25

DUPLICATE

AUG 31 1965

County Park

REFERRED TO STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

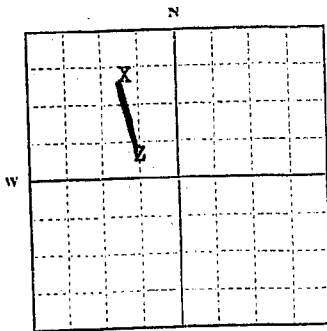
Date of Appropriation of Groundwater August 19, 1965

Owner Richard W. Edwards Address Cooke City, Montana

Contractor (if any) Appropriation work done by Owner

Address of Contractor Not applicable

Date Started Aug. 10, 1965 Date Completed Aug. 19, 1965



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Ground water obtained by inserting a 1 1/2" length of iron pipe in the hillside orifice, from which flow emerges, and collecting flow from pipe in a basin excavated just forward & downward from end of said pipe. Collecting basin approx. 24" x 24" by about 8" deep. Basin built of redwood board walls with natural ground bottom. Water is drawn from collecting basin by means of a 1" inside diameter plastic pipe inserted in a hole drilled in the redwood board forming the downhill side of the collecting basin.

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. The quantity of water developed is estimated at 1/20 cu. Ft. per second of time or approx 2 Miners Inches. The quantity was determined or measured by allowing a container of known size to fill up and noting the time required. Water is for domestic use only at summer residence located on lots 26-27 & 28-29 in Sect. B- Republic Addition to Cooke City, Park County, Montana. Use June 1 to October 1 of each year.

N. W. 1/4 Sec. 25 T. 9S R. 14E

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

"X" Pt. of appropriation is located about 1090 feet North 17 degrees west from the N.E. corner of Lot 13 in Sect. B. of the Republic Addition to Cooke City, Mont.

"Z" Pt. of use is summer residence on lots 26-27-28-29 in Sec. B of Repub. Add. to Cooke City.

Signature of Owner

*Richard W. Edwards*  
Richard W. Edwards.

Date August 19, 1965

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

Doc. #  
103828

Filed this 30<sup>th</sup> day of

August A. D. 1965  
at 3:46 o'clock P. M.

Emergent Manual  
County Clerk and Recorder.

By Ray J. Lee  
Deputy.

Fee \$ 2.00

File No.

DUPLICATE

RECEIVED  
APR 7 1965

T. SOUTH R. 14 EAST

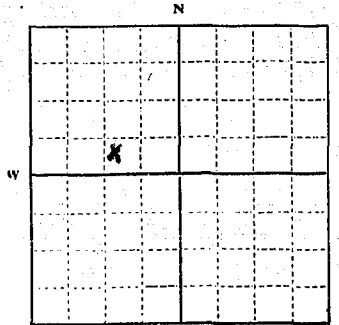
County PARK

STATE ENGINEER STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater MAY 1<sup>st</sup> 1936  
Owner Howard H. Hennickson Address Cooke City, M.  
Contractor (if any) None  
Address of Contractor None  
Date Started None Date Completed None



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

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 Summer  
Three months Annually for  
Domestic Household Use

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

Signature of Owner Howard H. Hennickson  
Date April 6<sup>th</sup> 1965

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

39256

Doc. # 102666

Filed this 6<sup>th</sup> day of

April A. D. 1965  
at 4.05 o'clock P.M.

Margaret Mansfield  
County Clerk and Recorder.

By Deputy  
Deputy

Fee \$ 2.00