GROUNDWATER INDEX

County Lincoln Twp. 22 N Rge. 1 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
5	Hedford, Mike	GW 4	3265	
21	Ekert, Richard C.	GW 4	3636	
22	Sorelser, James A.	O & G	—	
22	Sorelser, James A.	GW 2	5452	
22	Sorelser, James A.	GW 4	4176	
23	Somerfeld, Julius	GW 4	4129	
24	Strickland, Kenneth C.	GW 4	4653	

Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No.....

T. 22 R. 1 East

DUPLICATE

County.....

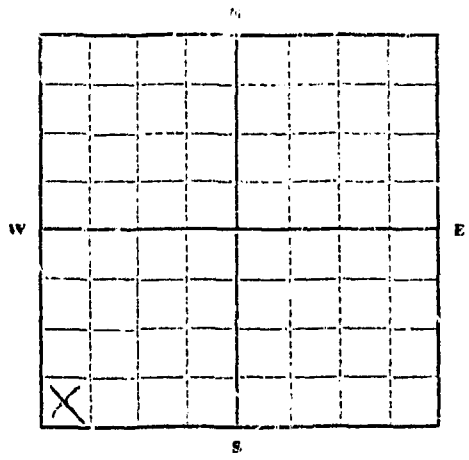
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 14 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mike T. Stickford, of Power
(Name of Appropriator) (Address) (Town)
County of Teton State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



.....1/4..... Sec. 5 T. 22 R. 1 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 stock and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 30 years every day

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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 first garden and stock

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1933

8. The depth of water table 12 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 only this one well

10. The estimated amount of groundwater withdrawn each year about 15,000 gallons per year

11. The log of formations encountered in the drilling of each well if available shale

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

Signature of Owner Netonella Stickford by Mike Stickford administrator for estate

Date 3-8-63

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.

3894

#3264[5]

STATE OF MONTANA, }ss.
County of Cascade

I hereby certify that the within instrument was filed in this office on

MAR 13 1965
Date

at 2:30 o'clock P M

J. L. LENNON
County Clerk and Recorder.

By R. O. Nichols
Deputy.

Approved Stock Form—State Publishing Co., Helena, Montana—41338

File No.....

T. 22 R. 1 E

DUPLICATE

County Cascade

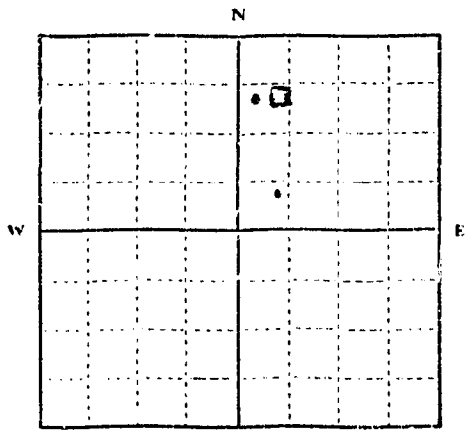
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Richard D. Ekart of Route # 2 Power
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S½ NE¼ and S SE¼
¼ Sec. 21 T. 22 R. 1 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 used for livestock and dwelling purposes

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. used continuously since 1922

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7½ gals per minute supply well not in use at present time

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. has been used for irrigating land which itself is located by the said previous owners.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric pump system on well near house. The well not in use at present time.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Unknown. Dwelling, barn, etc. based that definite information

8. The depth of water table. 20 ft deep in well not in use, well at buildings being improved approx depth 15 ft present

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, marked with 3" pipe approx 1 mile from the dwelling and barn. Well at buildings 15½ ft deep, marked with 1" pipe, presently inoperative, being improved and deepened 1st 1964

10. The estimated amount of groundwater withdrawn each year. approx 12,000 gals

11. The log of formations encountered in the drilling of each well if available. not dug by drilling method

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 Richard D. Ekart

Date Dec 30 1963

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

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

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

12962

3636

STATE OF MONTANA, }ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
DEC 20 1958

at 2:23 o'clock P M.

L. L. EDWARDS
County Clerk and Recorder.

By S. Bries
Deputy.

Union of Texas Petroleum 22 1E 22

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

FORREST H. ANDERSON, GOVERNOR
GARY WICKS, DIRECTOR

MEMBERS OF THE BOARD
JOSEPH W. SABOL
DEAN HANSON
RILEY OSTBY
HERBERT HUENNEKENS

449-2611
325 FULLER AVENUE
HELENA, MONTANA 59601

OIL AND GAS CONSERVATION DIVISION
NORMAN J. BEAUDRY
ADMINISTRATOR

P. O. Box 217

August 30, 1972

Water Conservation Board
Water Resources Engineer
Sam W. Mitchell Building
Helena, Montana 59601

Dear Sir:

Enclosed you will find a copy of a release agreement for the utilization of a fresh water well.

Operator	Union of Texas Petroleum
Lease Name	James A. Smelser
Well No.	1, Sec. 22, Twp. 22, Rge. 1E

Yours very truly,

Norman J. Beaudry
Administrator

NJB/ml

cc: Mr. W. Bond
Bureau of Mines and Geology
Butte, Montana 59701

PRINTED ON 100% RECLAIMED ECOLOGY BOND

APPROVED BY:

Board of Oil and Gas Conservation

Petroleum Engineer, Geologist, or Administrator

Dated: August 28, 19 72.

51,275

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA

RELEASE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, that I, James A. Smelser of the County of Cascade in the State of Montana, an the owner of the hereinafter described land upon which a well for oil or gas was drilled, to-wit:

Operator Union of Texas Petroleum

Lease Name James A. Smelser

Well No. 1 Sec. 22, Twp. 22, Rge. 1E

The well is located 710 feet ~~X~~ N of the South line and 702 feet ~~X~~ W of the East line.

That, in accordance with Regulation 233.6, Order No. 1-1, November 30, 1953, I do hereby notify the Board of Oil and Gas Conservation of the State of Montana of my desire to utilize said well as a fresh water well, and, that if such utilization is approved, I do hereby release and discharge the operator hereinabove named from any further work or responsibility in relation to the plugging of said well.

Water Use. Domestic X Municipal ____ Stock X Other ____.

Industrial ____ Drainage ____ Irrigation ____

Producing Depth 1176-1182 Producing Formation Sunburst Sand

Yield of well ____ Annual Withdrawal ____

WITNESS my hand and seal this 22 day of August, 1972.

James A. Smelser (L.S.)
Landowner
Address Box 21 Power, Montana 59468

IN THE PRESENCE OF:

Margaret Langfitt Address Power, Montana
Robert Langfitt Address Power, Montana

APPROVED BY:

Board of Oil and Gas Conservation

Petroleum Engineer, Geologist, or Administrator

Dated: August 28, 1972.

51,275

GV

Approved Stock Form State Publishing Co., Helena, Montana—1921

File No.

T 22N., R 1 E.

DUPLICATE

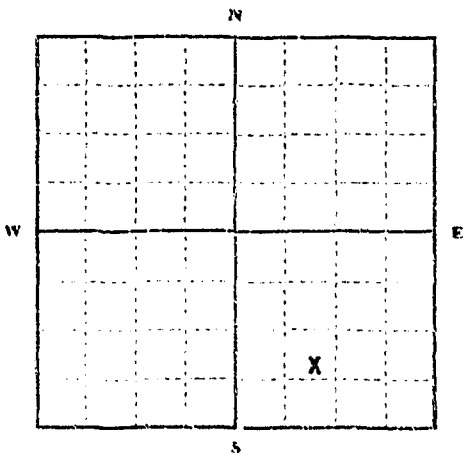
County Teton

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I. JAMES A. SMELSER (Name of Appropriator), of (Address) Power, (Town)
County of Teton, State of Montana,
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 22 T. 22N R. 1E

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 Watering Livestock.

3. Date or approximate date of ea beneficial use; and how continuous the use has been June 30, 1953; continuous use

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 —

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Hand Pump on top of well in NE¼SW¼SE¼, Section 22, Township 22 North, Range 1 East.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced May 3, 1953; completed June 30, 1953.

8. The depth of water table Ten 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 Two inch pipe in ten foot hole.

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

11. The log of formations encountered in the drilling of each well if available Gumbo on top two feet, shale for 8 feet, then sandrock.

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 James A. Smelser

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.

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.

28061

4076

STATE OF MONTANA, }
County of Cascade } ss.

I hereby certify that the within instrument was filed in this office on

DEC 30 1963
Date

at 1:29 P o'clock ___ M.

J. L. LENNON
County Clerk and Recorder.

By Lewis
Deputy.

De
-Wo

GW 2 Revised 1969
STATE PUBLISHING COMPANY

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 James A. Smelser and Shirley M. Smelser

Address Power, Montana

For Administrator's Use
File 5452
Jan 8 1973
G.W. 8:26 A.M.

Date well started July 1972

completed October 1972

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

Equipment used ROTARY
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

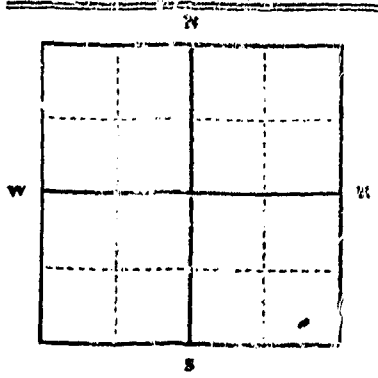
Industrial ☐ Drainage ☐ Other ☒* Garden/Lawn ☒

*Describe In the House

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)



Static water level 500 ft.*
Pumping water level 700 ft.*
at 20 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by Cardinal
for ..... hours.
Power..... Pump 5 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

¼ SE ¼ Sec. 22
T. 22 (N) R. 1 (E)
S W

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

Driller's Signature

Driller's Address

LICENSE NO.

County Cascade 768

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	540	Samples Not run
540	555	Shale
555	600	Interbedded-Shale
600	630	Interbedded-Shale
630	660	Interbedded
660	690	Sandstone
690	740	Sandstone
740	750	Interbedded-Sandstone
750	780	Interbedded
780	814	Interbedded-Shale
814	840	Shale
840	880	Interbedded-Shale
880	910	Interbedded
910	940	Interbedded-Shale
940	970	Interbedded-Shale
970	1000	Interbedded-Shale
1000	1020	Shale
1020	1060	Shale
1060	1090	Interbedded-Shale
1090	1120	Sandstone
1120	1146	Shale
	Sunburst Zone	
1146	1180	Sandstone
1180	1200	Sandstone

1200 ET Show exact depth of bottom

52,513

5452

STATE OF MONTANA, }ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

JAN 8 1973

at 8:26 17 M

County Clerk and Recorder.

By Deputy.

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

Owner James A. Smelser
Address Power, Montana 59468
Location T. 22N R. 1E Sec. 2
Doc. No. 5452

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

Special Instructions: Please provide the missing information as indicated in red on the attached form.

Thank you.

Sent on 1/23/73

52,213

Dear Sir;

I have not been able to get ahold of the Cardinal man that drilled this well. It was drilled for Union Texas by Cardinal as an oil well, and I am not sure of his name. Enclosed please find an copy of release agreement. I hope this will be sufficent. Thank you.

Yours truly,

James A. Smelser

James A. Smelser
Power, Montana 59468

cribed land

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ath

line.

No. 1-1,

Gas

ne said well

g of said well.

Canburst Sand

August 1972.

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA

[illegible] AGREEMENT

[illegible] Grace

[illegible] Grace

in the State of Montana [illegible] hereinafter described land upon which a well for oil or gas [illegible] said land, to-wit:

Operator [illegible] Lease [illegible]

Well [illegible]

Sec. [illegible] Twp. [illegible] Rge. 1E

[illegible] feet [illegible] of the South

[illegible] feet [illegible] line.

[illegible] Order No. 1-1, November 20, 1953, I do hereby notify the Board of Oil and Gas Conservation of the State of Montana [illegible] desire to utilize said well as a fresh [illegible] that if such utilization is approved, I do hereby release and [illegible] the operator hereinabove named from any further work or responsibility in relation to the plugging of said well.

[illegible] Irrigation

[illegible] Formation Dunhurst Sand

[illegible] Grace

[illegible] August, 1972.

[illegible] (SEAL)

[illegible]

[illegible]

[illegible]

[illegible]

BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA

R E L E A S E A G R E E M E N T

KNOW ALL MEN BY THESE PRESENTS, that I, James A. Smelser

of the County of Pondera

in the State of Montana, am the owner of the hereinafter described land upon which a well for oil or gas was drilled, to-wit:

Operator Union of Texas Petroleum

Lease Name James A. Smelser

Well No. 1 Sec. 22, Twp. 22, Rge. 1E

The well is located 710 feet N of the South line and 760 feet W of the East line.

That, in accordance with Regulation 232.6, Order No. 1-1, November 30, 1953, I do hereby notify the Board of Oil and Gas Conservation of the State of Montana of my desire to utilize said well as a fresh water well; and, that if such utilization is approved, I do hereby release and discharge the operator hereinabove named from any further work or responsibility in relation to the plugging of said well.

Water Use: Domestic 2 Municipal ___ Stock 1 Other ___

Industrial ___ Drainage ___ Irrigation ___

Producing Depth 1186-1192 Producing Formation Sunburst Sand

Yield of well ___ Annual Withdrawal ___

WITNESS my hand and seal this 22 day of August, 1972.

James A. Smelser (L.S.)
Landowner

Address Box 21 Dupuyer, Montana 59468

IN THE PRESENCE OF:

[illegible] Witness [illegible]

[illegible] Address [illegible]

APPROVED BY:

Board of Oil and Gas Conservation

Petroleum Engineer [illegible]

Dated: [illegible]

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 James A. Snelser and Shirley M. Snelser

Address Power, Montana

For Administrator's Use
File 5452
Jan 8 1973
GW 1 8:26 A.M.

Date well started July 1972

completed October 1972

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

Equipment used ROTARY
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

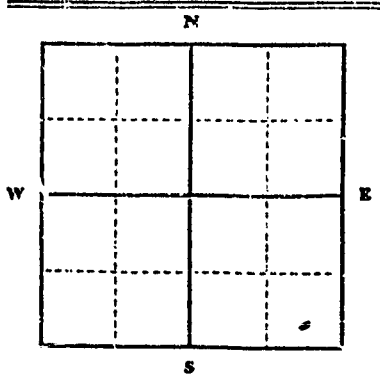
Industrial ☐ Drainage ☐ Other ☒* Garden/Lawn ☒

*Describe In the House

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 100,000 Gal

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
?	?	?	?			
11	10 3/8	0	200			
7 1/2	5 1/2 25# well	0	1200	3" slots	1100	1200



Static water level 500 ft.*
Pumping water level 700 ft.*
at 20 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by Cardinal
for ..... hours.
Power..... Pump 5 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

¼ SE ¼ Sec. 22
T. 22 (N) S R. 1 (E) W

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

Driller's Signature

Driller's Address

LICENSE NO.

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	540	Samples Not run
540	555	Shale
555	600	Interbedded-Shale
600	630	Interbedded-Shale
630	660	Interbedded
660	690	Sandstone
690	744	Sandstone
744	750	Interbedded-Sandstone
750	780	Interbedded
780	814	Interbedded-Shale
814	840	Shale
840	880	Interbedded-Shale
880	910	Interbedded
910	940	Interbedded-Shale
940	970	Interbedded-Shale
970	1000	Interbedded-Shale
1000	1020	Shale
1020	1060	Shale
1060	1090	Interbedded-Shale
1090	1120	Sandstone
1120	1146	Shale
	Sunburst Zone	
1146	1180	Sandstone
1180	1200	Sandstone

1200 ft Show exact depth of bottom

52213

GW

Approved Stock Form—State Publishing Co., Helena, Montana—41921

23

File No.

T. 22 N., R. 1 E.

DUPLICATE

County Cascade

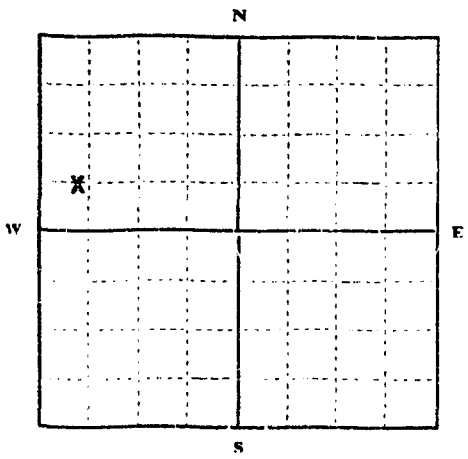
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 9 1964 ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. JULIUS SOMERFELD, of Power,
(Name of Appropriator) (Address) (Town)
County of Teton, State of Montana,
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



¼ Sec 23 T. 22N R. 1 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 Watering livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 31, 1919

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 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 Windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 1, 1919 to July 31, 1919.

8. The depth of water table 300 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 2" pipe - 300 feet deep - operated by windmill.

10. The estimated amount of groundwater withdrawn each year 75,000 gallons.

11. The log of formations encountered in the drilling of each well if 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 —

Signature of Owner Julius Somerfeld

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.

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.

28117

4129

STATE OF MONTANA, }ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

DEC 30 1963
Date

at 2:26 o'clock P M

J. L. [illegible]NON
County Clerk and Recorder

By [illegible]
Deputy.

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

T. 21 N R. 1 East MPM

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

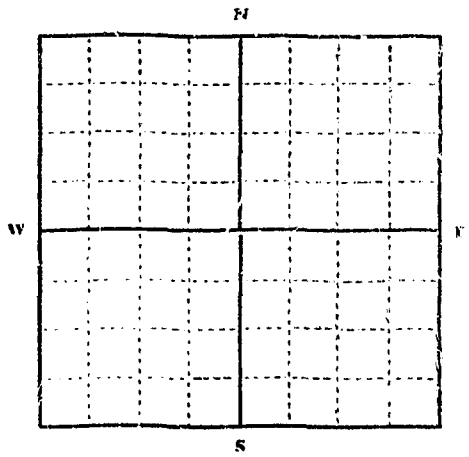
JAN 2 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Kenneth Clayton Strickland of Box-24 VAUGHN
(Name of Appropriator) (Address) (Town)

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



SW¼SW Sec. 24 T21-NR. 1 East MPM

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 garden & Lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been JULY 2 - 1959
Steady USE

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof ½ acre - garden & Lawn

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 MAY 18 1959 — JULY 2 - 1959

8. The depth of water table 119 feet 6 inches

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 inch Casing - 119 feet 6 inches

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available 10 feet clay - 90 feet shale - 10 feet sand - 9 feet coarse 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 Kenneth C. Strickland

Date Dec 20 - 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.

28638

4693

STATE OF MONTANA }ss.
County of Cascade }

I hereby certify that the within instrument was filed in this office on

JAN 2 - 1964
Date

at 10:20 o'clock A.M.

J. E. FERGUSON
County Clerk and Recorder

By R. C. Nichols
Deputy

GROUNDWATER INDEX

County Cascade Twp. 22 N Rge. 2 E

Sec. 4	Name of Appropriator	Type of Form	County File No.	Remarks
4	Lane, Edwin B.		3225	Wrong Form
4	Lane, Edwin B.	GW 4	3324	— "
10	Lane, Edwin B.		3276	" "
11	Fink, Edwin J.	GW 4	3047	
18	Somerfeld, Julius	GW 4	4037	
22	Ebert, Richard D.	GW 4	3635	
24	LeFebvre, E. A.	GW 4	3385	
24	Hurin, Charles R.	GW 4	3680	
24	LeFebvre, E. A.	GW 4	3381	
24	LeFebvre, E. A.	GW 4	3383	
29	Hartelius, Charles W.	GW 3	4204	
31	Neiman, Carl	GW 4	3421	

G

Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No. .....

T. 22 R. 2

DUPLICATE

County .....

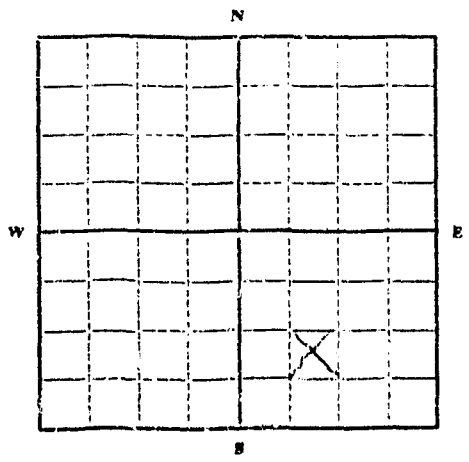
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elmer B. Lowe, of Power, Montana
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW ¼ SE Sec. 16 T. 22 R. 2

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 only

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Drilled June 11, 1962 has been used off and on since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 25 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: not used for irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: This well has an electric driven pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: This well was started June 9th & was completed June 11, 1962

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: This well has 5 inch Casing and is 90 feet deep. The water comes in within 30 feet of the surface. This water is not fit for human use or household use. It should be softened for washing or etc.

10. The estimated amount of groundwater withdrawn each year: About 60,000 gallons

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: ~~not known~~ no other information

Signature of Owner: Elmer B. Lowe

Date: Mar. 22, 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.

3275

STATE OF MONTANA, }ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

MAR 22 1963
Date

at 1:26 o'clock P.M.

J. L. LENNON
County Clerk and Recorder.

By [signature]
Deputy.

G

Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No. .....

T. ..... R. .....

DUPLICATE

County .....

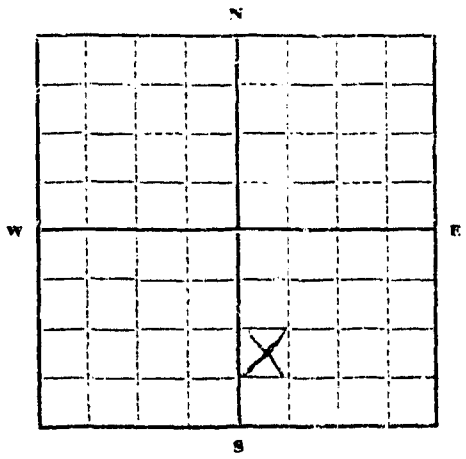
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Elmer B Lane, of Power Montana
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW ¼ SE Sec. 4 T. 22 R. 2

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 only

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Drilled June 1955 has been used continuously since drilled since

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 not used for irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater About June 1955

8. The depth of water table About 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 Casing 5 inches well is 68 feet deep water comes to 30 feet from top.

10. The estimated amount of groundwater withdrawn each year 9000 gallons a year

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 of this information

Signature of Owner Elmer B Lane

Date Jan. 22, 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.

#3224

STATE OF MONTANA, }
County of Cascade. } ss.

I hereby certify that the within instrument was filed in this office on

MAR 22 1963

Date

at 1:25 o'clock P M.

J. L. LENNON
County Clerk and Recorder.

By [signature]
Deputy.

G

Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No.....

T. 22 N R. 2

DUPLICATE

County.....

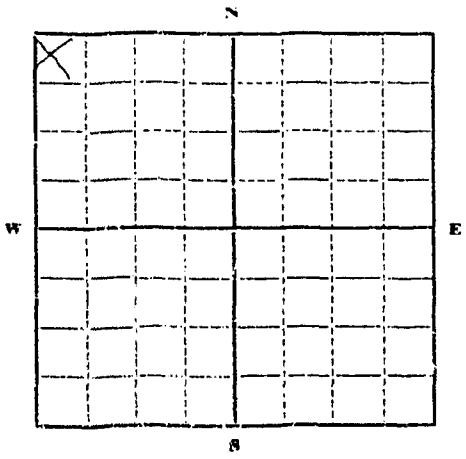
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elwin B. Love, of Power Montana
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW¼ NW Sec. 4 T 22 R. 2

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 only

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Drilled June 14, 1965 has been used off and on ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 18 gallons minute

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal gas motor to run pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater This well was completed June 14, 1965 started 3 days before

8. The depth of water table stand water at 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 The pipe is 6 inches in diameter the well is 165 feet deep water comes to within 6 feet from top

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

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

no other information

Signature of Owner Elwin B Love

Date May 22 1973

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.

3276

STATE OF MONTANA, }ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

MAR 22 1968
Date

at 1:37 o'clock P M.

J. L. LENNON
County Clerk and Recorder.

By H. C. Nichols
Deputy.

GV

File No. .....

T 22 N R 2 E

DUPLICATE

County .....

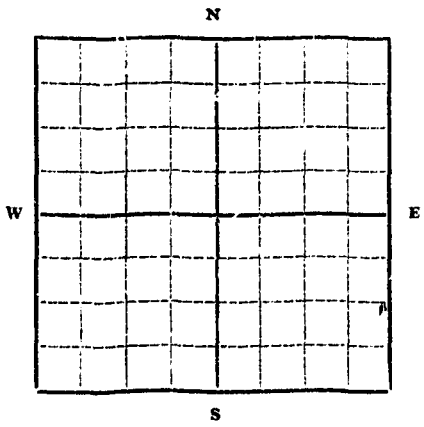
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. EDWIN J. FINK, of Route 2 Power
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE ¼ Sec. 11 T 22N R 2 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 lawn, garden and domestic use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1908 or 1909, continuously since that time.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) three (3) garrons.

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 Electric pump. Well located in SE¼ of Section 11, Township 22 N, Range 2 E. M.P.M. Cascade County, Montana.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1908 or 1909.

8. The depth of water table thirty (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 dug well, approximately four (4) feet in diameter, approximately thirty-six (36) feet deep.

10. The estimated amount of groundwater withdrawn each year approximately one million gallons.

11. The log of formations encountered in the drilling of each well if available gumbo 5 feet, shale 3 feet, sand 28 feet.

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 Edwin J. Fink

Date February 23, 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.

1541

#3047

STATE OF MONTANA, }ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

FEB 23 1962
Date

at 4:40 o'clock P M.

J. L. LENTON
County Clerk and Recorder.

By R. C. Nichols
Deputy.

GW

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No.

T. 22 N., R. 2 E.

DUPLICATE

County Teton

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

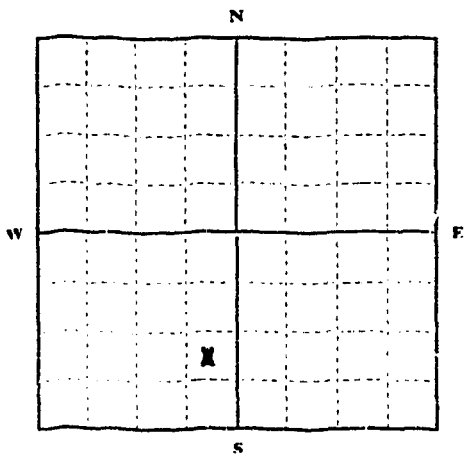
RECEIVED
JAN 9 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. JULIUS SOMERFELD (Name of Appropriator), of (Address) Power, (Town)

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



¼ Sec 18 T. 22N R. 2 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 Watering livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 12, 1953, with continuous use.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Gasoline pump at top of well located in NE¼SE¼SW¼ of Section 18, Township 22 North, Range 2 East.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced October 23, 1952; completed April 12, 1953.

8. The depth of water table 155 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 casing.

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

11. The log of formations encountered in the drilling of each well if available Shale

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 Julius Somerfeld

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.

28062

4077

STATE OF MONTANA } ss.
County of Cascade }

I hereby certify the within instrument was filed in this office on

DEC 30 1963

Date

at 1:30 o'clock P. M.

J. L. LENNON
County Clerk and Recorder

By Blow
Deputy

Approved Stock Form—State Publishing Co., Helena, Montana—41398

File No.....

T. 24 R. 2

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

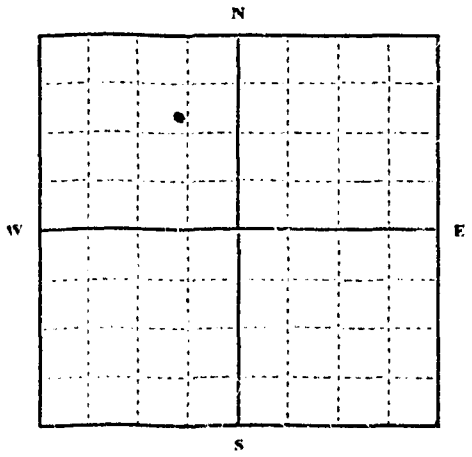
RECEIVED
DEC 27 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Richard G. Eckert, of Route #2 Power
(Name of Appropriator) (Address) (Town)

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



NW¼ Sec. 24 T. 24 R. 2

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 use and at present

3. Date or approximate date of earliest beneficial use; and how continuous the use has been the well was dug in 1962 and lined with galvanized pipe, used for about 20 yrs

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

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 used for stock and drinking purposes

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal bucket and hand pumps were used prior. Used at present

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

8. The depth of water table the well is 20 ft deep

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

10. The estimated amount of groundwater withdrawn each year at present

11. The log of formations encountered in the drilling of each well if available log by [illegible]

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 Richard G. Eckert

Date Dec 20 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.

1290

3635

STATE OF MONTANA, }
County of Cascade. } ss.

I hereby certify that the within instrument was filed in this office on

DEC 20 1968

Date

at 2:50 o'clock P M

J. L. LENNON
County Clerk and Recorder.

By B. Bess

Deputy.

GV

Approved Stock Form - State Publishing Co., Helena, Montana—28687

File No. .....

TWP. 22 R. 2 E.

DUPLICATE

County .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 9 1963
STATE ENGINEER

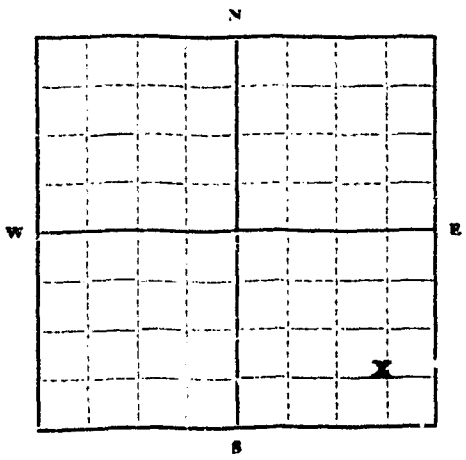
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. E. A. LeFEBVRE of 611 9th St.N.W., Great Falls, Montana
(Name of Appropriator) (Address) (Town)

County of ..... State of Montana

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



SE ¼ SE Sec. 24 T. 22 R. 2 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 irrigation, domestic, stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been prior to 1920s and continuous thereafter

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 SE¼SE¼ of Section 24, Township 22 North, Range 2 East.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater prior to 1930

8. The depth of water table [illegible]

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 160 feet deep.

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if 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

Signature of Owner E. A. LeFebvre

Date 9-23-63

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.

6260

STATE OF MONTANA, }ss.
County of Cascade. }

I hereby certify that the within in-
strument was filed in this office on
SEP 27 1963
Date
at 1:39 o'clock P M

J. L. LEHNON
County Clerk and Recorder

By D. J. Lehnon
Deputy

3365

G

Approved Stock Form—State Publishing Co., Helena, Montana—39069

File No.....

T. 22 R. 2 E.

DUPLICATE

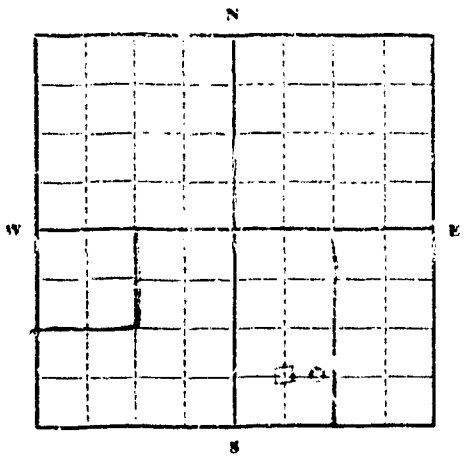
County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Charles A. Hurin, of R. R. # 2, Power
(Name of Appropriator) (Address) (Town)
County of Cascade, State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.W.¼SE¼ Sec. 24 T. 22 R. 2

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 watering livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1915 year round

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 60 gals. per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater constructed by a sheep company long before we acquired the land.

8. The depth of water table 5 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. Dug well 14 feet in diameter by 15 feet deep.
5 H.P. gasoline engine and a 1½ inch rotary pump
½ H.P. electric motor on a piston type pump.

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

11. The log of formations encountered in the drilling of each well if available None 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 to my knowledge

Signature of Owner Charles A. Hurin

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.

15007

3680

STATE OF MONTANA, }ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
DEC 2 5 1963
Date
at 12:30 o'clock P M.

J. L. LENNON
County Clerk and Recorder.

By J. L. Lennon
Deputy

G\

Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No.....

T. WP. 22 R. 2 East

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 9 1963
STATE ENGINEER

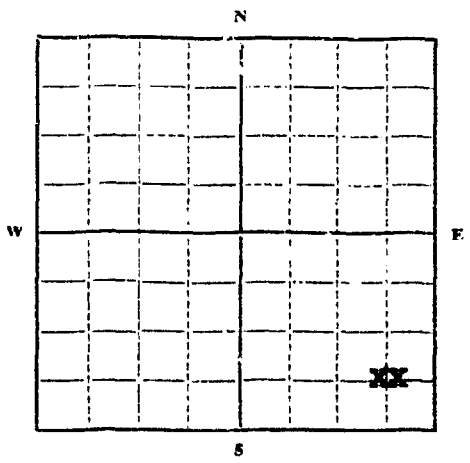
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. E. A. LeFEBVRE, of 611 9th St.N.W., Great Falls, Montana
(Name of Appropriator) (Address) (Town)

County of..... State of Montana

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



SE ¼ SE Sec. 24 T 22 R. 2 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 irrigation, domestic, stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been prior to 1920s and continuous thereafter.

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

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 SE¼SE¼ of Section 24, Township 22 North Range 2 East.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater prior to 1930

8. The depth of water table not available.

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 available

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

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

Signature of Owner E. A. LeFebvre

Date 9-23-63

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.

STATE OF MONTANA, }
County of Cascade. } ss.

I hereby certify that the within instrument was filed in this office on

SEP 27 1963
Date

at 1:38 o'clock P M.

J. L. LENNON
County Clerk and Recorder.

By J. L. Lennon
Deputy.

3384

G\

Approved Stock Form—State Publishing Co., Helena, Montana—39069

File No.....

Twp. 22 R 2 East.

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

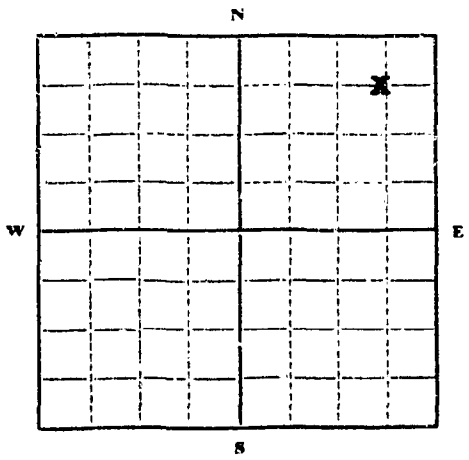
RECEIVED
OCT 9 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. E. A. LeFEBVRE, of 611 9th St. N. W. Great Falls, Montana
(Name of Appropriator) (Address) (Town)

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



NE ¼ NE Sec. 24 T. 22 R. 2 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 irrigation, domestic, stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been prior to 1920s and continuous thereafter.

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

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 NE¼NE¼ of Section 24, Twp. 22 North Range 2 East.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater prior to 1930

8. The depth of water table not available.

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 available.

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

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

Signature of Owner E. A. LeFebvre

Date 9-23-63

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.

STATE OF MONTANA, }
County of Cascade. } ss.

I hereby certify that the within instrument was filed in this office on

SEP 27 1963
Date

at 1:37 o'clock P M.

J. L. LENNON
County Clerk and Recorder.

By J. J. Dahm
Deputy.

3383

Approved Stock Form—State Publishing Co., Helena, Montana—41337

File No.....

T. 22 N. R. 2 E.

DUPLICATE

County CASCADE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 9 1964 STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater December 31,1963

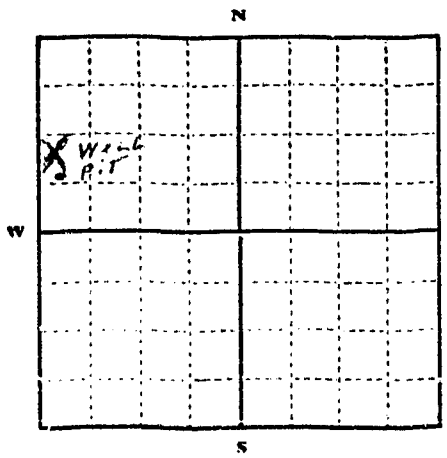
Owner Chester W.Hartelius Hildagarde Hartelius Address Power, Montana

Contractor (if any) Robinson and Shepard

Address of Contractor Great Falls, Montana

Date Started April 1961 Date Completed April 1961

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water Pit fed by water table which maitains a constant level of water. Depth 8 ft. 78' long and ~~XXX~~ 48 ' wide. Well adjacent depth 12' 50 gallons per minute.



NW 1/4 Sec 29 T22N R2E

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

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. Unlimited quantity used for stock water,irrigation and domestic purposes.

Signature of Owner Chester W. Hartelius
Hildagarde Hartelius
Date December 31,1963

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.

28192

4204

8:09 G

GW.

Approved Stock Form—State Publishing Co., Helena, Montana—11598

File No.....

T.....R.....

DUPLICATE

County.....

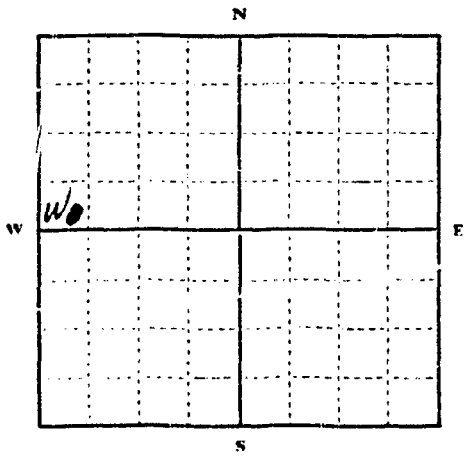
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 18 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. CARL NEUMAN (Name of Appropriator) of R 2 (Address) POWER (Town)
County of CASCADE State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NW 1/4 Sec. 31 T 22 R 2E

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 LIVE STOCK GARDEN HOUSE HOLD

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 4/1/53

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal PER-MIN.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 4/1/53

8. The depth of water table 1165 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 1165 - DEEP 5-IN Cas. to 800 FT 4 1/4 - 1128

10. The estimated amount of groundwater withdrawn each year 350 000

11. The log of formations encountered in the drilling of each well if available 1-300 BENTONITE 300-650 SHALE 650-700 SAND 700-1130 RED FORMATION 1130 1160 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

Signature of Owner Carl Neuman

Date 11/15/63

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.

#3421

STATE OF MONTANA, }ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
NOV 15 1962
Date
at 12:45 o'clock P. M.

J. L. LENNON
County Clerk and Recorder.

By B. Lois
Deputy.

GROUNDWATER INDEX

County Cascade Twp. 22 N Rge. 5 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
11	U.S.F.W. Bureau of Sports Fisheries	GW-4	4622	
17	LeFebvre, Elsie H.	GW-4	3382	
19	LeFebvre, Elsie H.	GW-4	3381	
22	Duck, Herbert	GW-4	4628	
28	Klatt, Adelaide	GW-4	4150	
28	Klatt, Adolf	GW-4	4150	

G

Approved Stock Form—State Publishing Co., Helena, Montana—40876

File No. .....

T. 22 N R. 3 E

DUPLICATE

County Cascade

Benton Lake N.W.R.
Rm. 302 Rocky Mtn. Bldg.
Great Falls, Montana

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

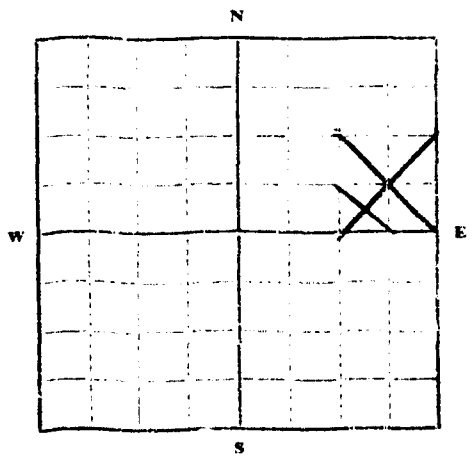
(Under Chapter 237, Montana Session Laws, 1961)

The United States of America
By J. T. Barnaby, Acting Regional Director
Bureau of Sport Fisheries and Wildlife
Fish and Wildlife Service
Department of the Interior

1. ..... (Name of Appropriator), of 1002 N.E. Holladay, P. O. Box 3737, Portland (Address)

County of Multnomah State of Oregon

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



SE ¼ NE ¼ Sec. 11 T. 22 N R. 3 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 irrigation water for the refuge headquarters area

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
11-30-61
Daily usage since 12-1-61

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Approximately 10 acres SE¼NE¼, Sec. 11, T. 22 N., R. 3 E. - United States of America, Benton Lk. N.W.R.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
5 HP electric submersible deep well turbine pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 11-30-61

8. The depth of water table Static head 195 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 Total depth 820 feet cased with 12" casing to a depth of 240 feet, cased with 8" casing to a depth of 8[illegible] feet, 30 feet cement plug between 820' and 850'

10. The estimated amount of groundwater withdrawn each year 30 acre feet

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 J. T. Barnaby, Acting Regional Director
Date December 18, 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.

3716 1

4697

STATE OF MONTANA, }
County of Cascade. } ss.

I hereby certify that the within instrument was filed in this office on

JAN 13 1964
Year

at 4:00 o'clock P.M.

J. L. EMERICK
County Clerk and Recorder

By [illegible]
Deputy.

Approved Stock Form -State Publishing Co., Helena, Montana—38687 3

File No. .....

T. 22 N. R. 3 E.

DUPLICATE

County .....

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

RECEIVED
OCT 9 1963
STATE ENGINEER

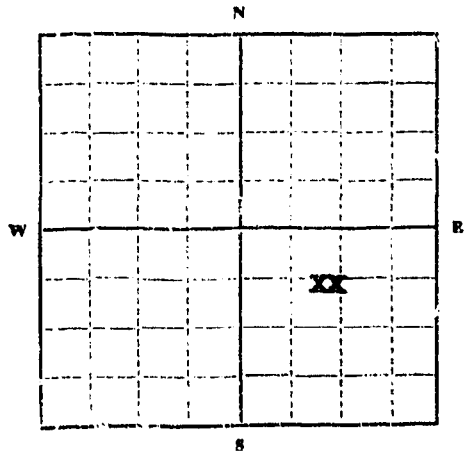
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. ELSIE H. LeFEBVRE of 611 9th St. N.W., Great Falls, Montana
(Name of Appropriator) (Address) (Town)

County of ..... State of Montana

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



NE¼SE¼ Sec. 17 T. 22 R. 3E.

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, stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been prior to 1920s and continuous thereafter.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 NE¼SE¼ of Section 17, Township 22 North, Range 3 East.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater prior to 1930

8. The 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. 100 feet deep

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

11. The log of formations encountered in the drilling of each well if 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 .....

Signature of Owner Elsie H. LeFebvre

Date 9-23-63

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.

6157

STATE OF MONTANA, }ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

SEP 27 1963
Date

at 1:36 o'clock P M.

J. L. LENNON
County Clerk and Recorder.

By J. L. Lennon
Deputy.

3382

GW

Approved Stock Form State Publishing Co., Helena, Montana—38687

3

File No.....

T. 22 R. 3 East

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

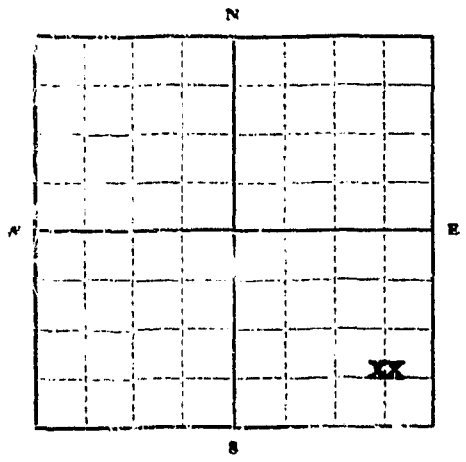
RECEIVED
OCT 9 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elsie H. LeFebvre of 611 9th St.N.W., Great Falls, Montana
(Name of Appropriator) (Address) (Town)

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



SE ¼ SE¼ Sec. 19 T22 R 3 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
irrigation, domestic, stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been prior to 1920s and continuous thereafter.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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
SE¼SE¼ of Section 19, Township 22 North Range 3 East.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater prior to 1930.

8. The 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.....

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

11. The log of formations encountered in the drilling of each well if 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.....

Signature of Owner Elsie H. LeFebvre

Date 9-23-63

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.

6256

STATE OF MONTANA, }ss.
County of Cascade }

I hereby certify that the within instrument was filed in this office on

SEP 27 1963
Date

at 1:35 o'clock P M.

J. L. LENNON
County Clerk and Recorder.

By J J Johnson
Deputy

3361

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. .....

T ..... R .....

DUPLICATE

County .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964
STATE ENGINEER

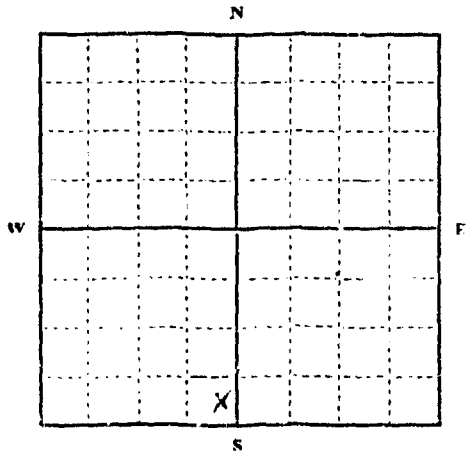
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Herbert Suek (Name of Appropriator), of Bootleggertrail Cite (Address) Great Falls (Town)

County of Cascade 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. 27 T. 22 R. 3 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 Livestock and domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Aug. 1958 Has been used ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute). One and a half gallons minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced on about Feb 1, 1958 and completed about Feb 20 1958

8. The depth of water table about 263 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 about 305 ft drilled about 8" hole 305 ft deep ft has a 6 5/8 casing [illegible] steel casing with [illegible] the whole length to bottom

10. The estimated amount of groundwater withdrawn each year 73,000 gallons

11. The log of formations encountered in the drilling of each well if available [illegible] Colorado Blue Shale and sand stone [illegible]

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record No [illegible] amount of water at 80 ft and at 123 ft depth

Signature of Owner Herbert Suek

Date Dec 30 1963

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

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

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

28063

4078

STATE OF MONTANA, }
County of Cascade. } ss.

I hereby certify that the within instrument was filed in this office on

DEC 30 1962

Date

at 1:34 o'clock P M.

J. L. LENNON

County Clerk and Recorder.

By R. C. Shield

Deputy.

GW.

Approved Stock Form—State Publishing Co., Helena, Montana—41358

File No.....

T. 22 N. R. 3 E.

DUPLICATE

County Cascade

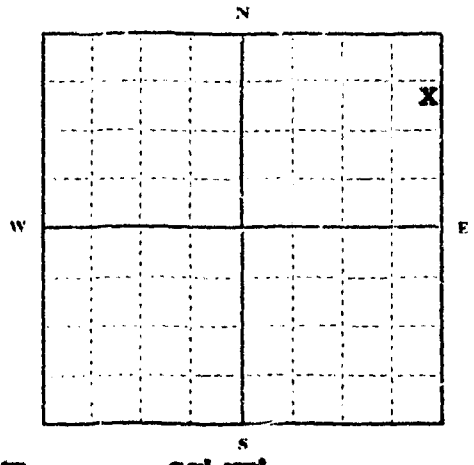
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Adolf & Adelgunda Klatt, 817 Central Avenue West
(Name of Appropriator) (Address) (Town)

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



NE corner SE¼NE¼
¼ Sec. 28 T. 22 R. 3 E.

Indicate point of appropriation and place of use, if possible. Each small square represents 1 acres.

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well drilled before 1915

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

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 About 1943 and used continuously

8. The depth of water table 36 feet deep

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 5'7" feet square

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if 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

Signature of Owner Adolf Klatt
Adelgunde Klatt

Date December, 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.

28177

4189

STATE OF MONTANA, }ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

OCT 30 1962
Date

at 4:44 o'clock ____ M.

J. L. LENNON
County Clerk and Recorder

By J. L. Lehner
Deputy.

GW

Approved Stock Form - State Publishing Co., Helena, Montana

File No.....

T. 22 N R. 3 E

DUPLICATE

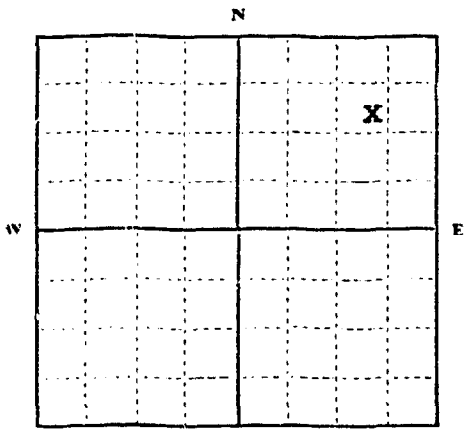
County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Adolf & Adelgunde Klatt, of 817 Central Avenue West
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE corner SW¼NE¼
NE¼ Sec. 28 T22 R3E

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, domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been prior to 1915

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

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 About 1943 and used continuously

8. The depth of water table 18 feet deep.

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 Wel is 5'7" feet square

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if 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

Adolf Klatt
Signature of Owner Adelgunde Klatt

Date December, 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.

28178

4190

STATE OF MONTANA, }ss.
County of Cascade

I hereby certify that the within instrument was filed in this office on

DEC 30 1965
Date

at 4:50 o'clock M.

J. L. LENNON
County Clerk and Recorder.

By J. J. Johnson
Deputy.

GROUNDWATER INDEX

County Cascade Twp. 22 N Rge. 1 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Kulch, Christine	Gw 3	4490	
11	Sennewald, Adelgunde	Gw 4	4522	
25	Gale, Elmer	Gw 3	3524	
27/28	Gale, Elmer	Gw 4	3556	
33	Gale, Elmer	Gw 4	3485	

Approved Stock Form—State Publishing Co., Helena, Montana—59318

File No.....

T. 22 R. 1 E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 9 1964 STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1927

Owner Christian Rauch Address Box 548 G F

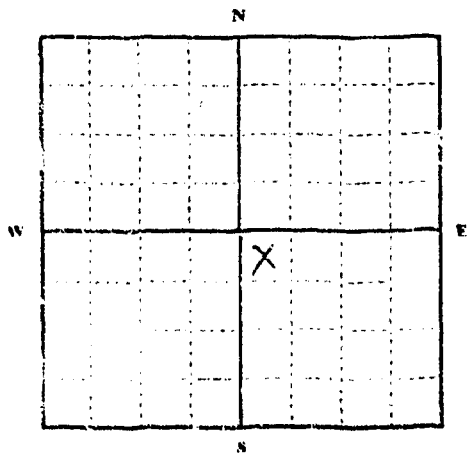
Contractor (if any) X

Address of Contractor

Date Started ..... Date Completed .....

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

Sub irrigation 4 feet



NW SE 1/4 Sec. 1 T. 22 R. 1 E

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

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 3 months

?

Signature of Owner X Christian T. Rauch

Date 12-31-63

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

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

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

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

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