285720

STATE OF MONTANA }
County of Richland, } ss. 285720

Filed this 16 th day of
Dec. A. D. 19 69
at 9:24 o'clock A. M.
G. L. Kocker
County Recorder
By A. Atchison
Deputy

fee: $2.00
filed

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

File No. .....

T. 21 N. R. 57 E.

County Richland

DUPLICATE

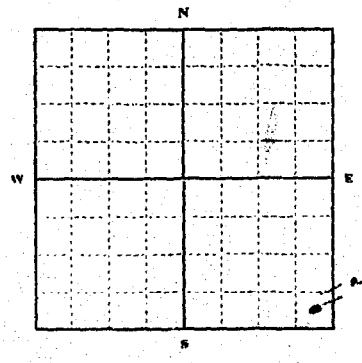
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 20 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Evan A. Lee (Name of Appropriator), of Rt. 1 (Address) Savage (Town)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S ½ Sec. 29 T. 21 R. 57

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 & household use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1929. This well has been in continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 ft – 30 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 not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ~~Gas~~ Electric jet Pressure Pump and electric motor on regular lift pump.

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

8. The depth of water table 4 8 feet to water

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Bored well – ~~[illegible]~~ 60 ft deep

10. The estimated amount of groundwater withdrawn each year 550,000 galons

11. The log of formations encountered in the drilling of each well if available Sand & gravel after first ten feet. Hard 10 feet 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 none that I know of

Signature of Owner Evan A. Lee

Date Dec 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.

29630

STATE OF MONTANA, } ss. 286336
County of Richland,

Filed this 31 day of
Dec A.D. 1963
at 1:56 o'clock P. M.
C. L. Kooker
County Recorder
R. Atchison
Deputy

fee: 2.00
filed

G

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

File No.

T. 21 N. R. 57 E.

DUPLICATE

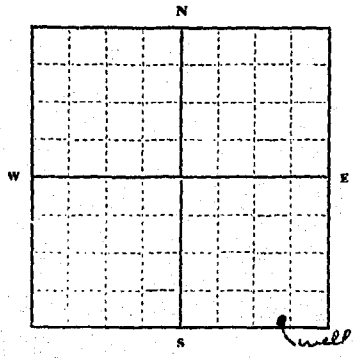
County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harold Ler (Name of Appropriator), of Rt. 1 (Address) Savage (Town)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE ¼ Sec. 31 T. 21 R. 57

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1958 continuous about 8 to 10 months per year

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 28 ft of water in well 30 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 not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Regular lift pump with electric motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Oct 1958

8. The depth of water table ~~45~~ 47 ft to water

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater (~~20~~ 22 in casing bore of well 65 ft deep)

10. The estimated amount of groundwater withdrawn each year 450,000 gallons

11. The log of formations encountered in the drilling of each well if available Gravel, 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 a part of Record

Signature of Owner Harold Ler

Date 12/23/63

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.

29513

286214

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

Filed this 30 day of
December A. D. 63
at 1:42 o'clock P.M.

E. L. Kooker
County Recorder

E. Cook
Deputy

fee $2.00
filed

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

33

File No. .....

T. 21 N R. 57 E

DUPLICATE

County Richland

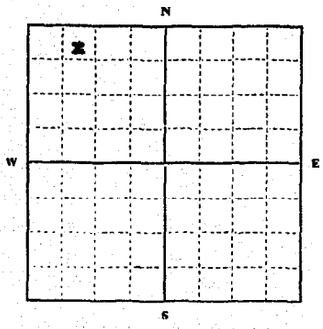
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Marian Bergstedt, of Savage
(Name of Appropriator) (Address) (Town)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.E.¼ Sec. 33 T. 21 R. 57

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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
Windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1915

8. The depth of water table 55 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 24 in. bored well, 65 ft. deep

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

11. The log of formations encountered in the drilling of each well if available Not 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 Marian Bergstedt

Date 1-23-1963

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.

29455

286151

STATE OF MONTANA,
County of Richland, } ss.

Filed this 30 day of
Dec A. D. 19 63
at 11:36 o'clock, A. M.
E. L. Kooker
County Recorder
L. Sullivan
Deputy

fee $3.00
paid

GW 2 Revised 1969
13—3M—10/69

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: Marion Bergstedt

Address: Savage, Mont.

Date well started: 16, May 1970

completed: 17, May 1970

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

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

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

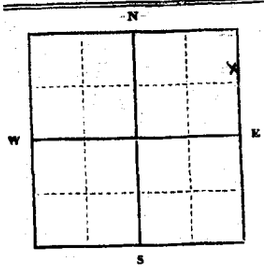
*Describe

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

ESTIMATED ANNUAL WITHDRAWAL: 75,000 gals

For Administrator's Use
File July 2, 1970
2:40 p.m.
GW 1 315507

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
[illegible]	[illegible]	0	101	NONE		



Static water level 65 ft.*
Pumping water level 95 ft.*
at 8 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for ½ hours.
Power elec Pump ½ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) casing set on coal

ne ne ¼ ¼ Sec. 33
T. 27 N. R. 57 E.

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

Driller's Signature: [signature]

Driller's Address: Box 1102 Sidney, Mont

LICENSE NO. 177

Richland County 33

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	22	clay sand gravel
22	92	clay sand
92	100	grey shale
100	110	coal water
110	116	grey shale
116	125	grey sandy shale

125 Show exact depth of bottom

315507

STATE OF MONTANA, } ss.
County of Richland,

Filed this 2 day of July A. D. 19 70 at 8:40 o'clock P. M.

Helen Gierke
County Recorder

Jane Polodichuk
Deputy

Fee: $2.00
Filed

Approved Stock Form—State Publishing Co., Helena, Montana—41921 34

T. 21 N R. 57 E

File No.

County Richland

DUPLICATE

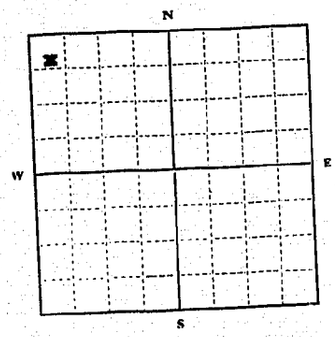
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 10 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Marian Bergstedt (Name of Appropriator), of (Address) Savage (Town)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.E.¼ Sec. 34 T. 21 R. 57

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1912 used continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 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
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 1912

8. The depth of water table ~~Unk.~~ 54 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 24 in. bored well 64 ft. deep

10. The estimated amount of groundwater withdrawn each year 180,000 gals.

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 Marian Bergstedt

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.

29457

286153

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

Filed this 30 day of
December A. D. 19 63
at 11:40 o'clock, A. M.
E. L. Kooker
County Recorder
E. Cook
Deputy

fee $2.00
filed

G

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

T. 21 N R. 57 E

File No.

County Richland

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

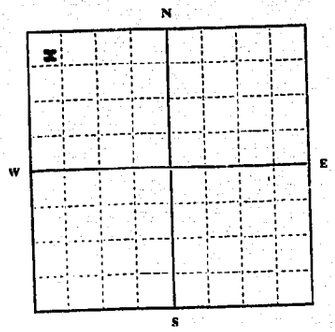
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Marian Bergstedt, of Savage
(Name of Appropriator) (Address) (Town)

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



S.E.¼ Sec. 36 T. 21 R. 57

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
Lawn and Tree irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1951 used continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gals. per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Lawn and Trees 3/4 acre

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 1951

8. The depth of water table ft. 55 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 4 in. drilled well. 100 ft. deep

10. The estimated amount of groundwater withdrawn each year 182,500 gals.

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 Marian Bergstedt

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.

29454

286150

STATE OF MONTANA,
County of Ravalli, } ss.

Filed this 30 day of
Dec A. D. 19 63
at 11:34 o'clock A. M.
C. L. Kaufer
County Recorder
D. Sullivan
Deputy
Fee, $2.00
filed

G

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

File No.

T. 21 N R. 57 E

DUPLICATE

County Richland

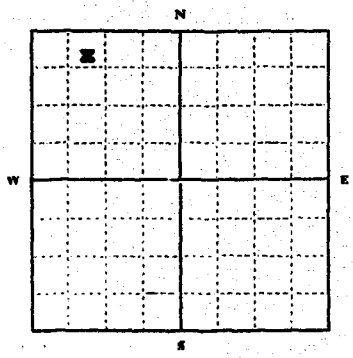
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. L. B. Bergstedt, of Savage
(Name of Appropriator) (Address) (Town)

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



SW¼ Sec. 35 T21 R.57

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1947 Used 7 or 8 Months every year

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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
Windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1947

8. The depth of water table 30 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 32 in. Bored wells 40 ft. deep

10. The estimated amount of groundwater withdrawn each year Not Known

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

L B Bergstedt
Signature of Owner

Date Dec 30 - 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.

30078

286778

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

Filed this 2 day of
January A. D. 19 64
at 9:15 o'clock, A.M.

E. B. Cooper
County Recorder

E. Cook
Deputy

fee $2.00
filed

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
DEC 18 1970

County Richland 36

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 William C.Struckman

Address Savage,Mont

Date well started 8,Dec 1970

completed 14,Dec.1970

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

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

Water Use: Domestic ☐ Municipal ☐ Stock XX Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

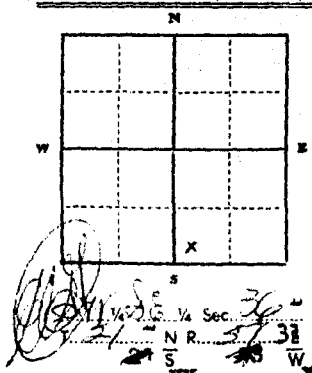
*Describe

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 300,000 gals

For Administrator's Use
File 227,225 December 16,1970 2:30 P.M.
GW 1

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7"	6" lbd 18.97#	0	249	NONE		



Static water level 165 ft.*

Pumping water level 170 ft.*

at gallons per minute,

measured 20 60 minutes after pumping began.

*Measured from ground level.

Well developed by bailer

for hours.

Power ? Pump HP

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

4' natural gravel-pack

Sec. 36 T. 21 N R. 31 E

XX S XX W

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

Driller's Signature

Driller's Address Box 1102 Sidney,Mont

LICENSE NO. 177

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	30	sand stones
30	245	sand
245	247	gravel sand water

247 Show exact depth of bottom

47920

STATE OF MONTANA,
County of Richland, } ss. 317225

Filed this 16 day of
Dec. A. D. 19 72
at 2:30 o'clock, P. M.

Helen Bierke
County Recorder

June Paladichuk
Deputy

Filed
$ 2.00 Fee

GROUNDWATER INDEX

County Richland Twp. 21N Rge. 58E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
5	Bradley Asa W.	GW 4	286743	
1	Hedson Charles	GW2	305365	
2	Bakker Melvin	57 Well Log	265449	
3	Bakker Melvin	GW2	323639	
5	Blackwood Richard D.	GW4	286575	
5	Bradley Asa W	GW4	286742	
10	Myers Doris	GW3	285951	
10	Myers Doris	GW4	286052	
10	Myers Doris	GW4	286053	
10	Myers Doris	GW4	286054	
15	Sidney Land & Livestock	GW4	286716	
15	Sorensen Elmer	GW4	286178	
15	Sorensen Elmer	GW4	286179	
15	Zangler Leroy	GW2	294919	
15	United States of America	GW4	285737	
15	Wright Orville	GW4	285699	
21	Harman Howard	GW2	284856	
27	Ihler Ted	GW2	305581	
27	Whitlock Hi	57 Well Log	271091	
27	Whitlock Hi	GW4	286505	
27	Whitlock Hi	GW4	286506	
30	Barter Jesse	GW2	299430	
32	Bouchard Arthur W	GW3	286360	
~~5~~	~~Bradley Asa W~~	~~GW4~~	286743	

GW

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

File No.

T. 21 N R. 58 E

County Richland

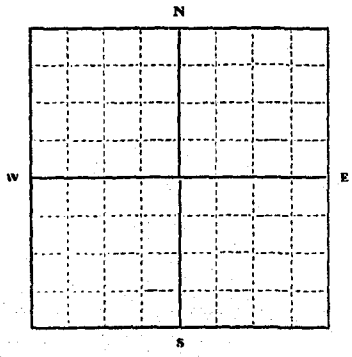
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Asa W Bradley (Name of Appropriator), of Crane (Address) (Town)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



____ ¼ ____ 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 House hold & livestock garden & lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1932

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 G

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
Gardens & lawn

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Elx pump
Lot 2 Blk 1 Crane Montana

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Feb 1932

8. The depth of water table 32 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 1 ¼ in pipe
~~sandy loam 28 ft clay 4 ft~~

10. The estimated amount of groundwater withdrawn each year 180,000

11. The log of formations encountered in the drilling of each well if available
Sandy loam 28 ft clay 4 ft

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

Signature of Owner Asa W. Bradley

Date Dec 31-1963

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

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

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

30037

STATE OF MONTANA,
County of Richland, } ss. 286743

Filed this 31 day of
December A.D. 19 63
at 9:43 o'clock P. M.

E. L. Kasper
County Clerk

Helen Burke
Deputy

Fee $2.00
filed

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—45642

File No.....

T. 21 N. R. 58 E

TRIPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED

County.....

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level.....)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner.....Hedson Address.....

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

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

Date well started.....Date completed.....

Type of well.....Equipment used.....
(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)
40						
			90			

1087 1090 hard shale

N
W X E
S

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

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

Pumping Water Level.....feet

at.....gal. per minute.

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

How Tested.....

Length of Test.....

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

.....¼ Sec. 1 T..... R.....

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

.....(Continue on reverse side)

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

Show exact depth of bottom.

90

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

Driller's License Number

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

Driller's Signature.

44195

GW-2

Approved S

File No.....

TRIPLICATE

MONTANA WATER RESOURCES BOAR

RECEIVED

ADMINISTR

OFFI

LOG

Top of Ground

(Elev. above sea level.....)

Notice of C

Appropri

DEVELO

(Under Chapt

Charles?

Owner.....

Driller.....

Date of Notice of appropri

Date well started.....

Type of well.....
(Dug, driven, bor

Water use: Domest
Industri

Indicate on the diagr
met with in drilling, such
depth at which water is e
strata and height to whic

Size of Defined Hole	Size and Weight of Casing
48 ft	4 10
100 ft	14
1090	

N

W

S

1087 1090 hard shale

NW ¼ Sec. 1 T 1
Indicate location of w
place of use, if possibl
small square represe
acres.

USE—If used for irri
number of acres
tion).

Show exact depth of bottom.

1090

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

Please answer all questions. If not applicable, so state, otherwise the for
returned.

305365

STATE OF MONTANA,
County of Richland, } ss.

Filed this 3 day of
June A. D. 1968
at 13:07 o'clock P. M.
Helen Sterkel
County Recorder
Elmira J. Good
Deputy

fee $2.00
filed

RECEIVED
JAN 6 1960
STATE ENGINEER

T. 21N R. 58E
County Richland

2

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Melvin Bekka Address Sidney Mont.
Driller David Hubbes Address Sidney Mont.
Date Started Oct. 16, 1959 Date Completed Nov. 23, 1959
Location: Sec. 7 T. 21 R. 58 ¼ sec. SW

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 87 ft. Type steel Size 6"
Casing: 0 ft. to 198 ft. Type steel Size 3½"
Casing: ft. to ft. Type Size
Perforated or Screened: Ft. 198 to ft. 168 Ft. to ft.
Type of screen or perforations ¼" slots & ⅜ holes
Static Water level, for non-flowing well: feet.
Shut-in pressure, for flowing well: 10 lb./sq. in. on: Nov. 21, 1959 (date)
Pumping water level 0 feet at 7 gal. per min.
How tested:
Length of test

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
Packer on 3½" pipe at 133 FT.

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	22	Gravel
22	35	Sand
35	50	Brown sandy clay
50	59	Black rock
59	77	Coal
77	224	clay
224	227	rock
227	320	Grey clay
320	321	Coal streak
321	352	clay
352	375	rock
375	400	clay

265449

STATE OF MONTANA, ss.
County of Richland

Filed this 5 day of January A.D. 19 50
at 5:47 o'clock P.M.
E. L. Gordon
County Clerk and Ex-Officio Recorder
By S. Anderson
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
AUG 4 1972

County Richland 3

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 [illegible] Rathbe

Address RT 1 Box 324
[illegible] Mont.

Date well started 7-24-1972
completed 8-1-1972

For Administrator's Use
File #323639
Aug. 3. 1972 at
GW 1 2:40 P.M.

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

Equipment used rotary (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

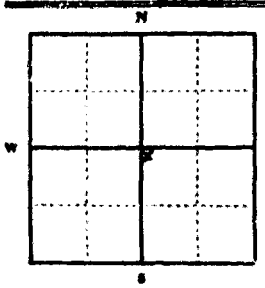
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 1,500,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7"	6 5/8 OD	0	143	1/4 Tack	1135	1165
5"	1 1/2 Sch	0	1240	slots	1225	1240



NW¼ SW¼ Sec. 3
T. 21 N R. 58 E
S W

22 lbs shut in pressure
Static Water level ..... ft.*
Pumping water level ..... ft.*
Blown 8 gallons per minute, measured .... minutes after pumping began.
*Measured from ground level.
Well developed by .....
for ..... hours.
Power ..... Pump ..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) .....
[illegible] with 24 Locks [illegible]
cement

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

Driller's Signature Truman L Boyce by Fred [illegible]

Driller's Address Box 147 [illegible] Mont.

LICENSE NO. 92

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) 2080

From (Feet)	To (Feet)	
0	10	Gravel and boulders
10	135	Brown sand
135	143	Gravel
143	188	gray clay
188	197	sand
197	231	gray clay
231	232	sandstone
232	270	gray shale
270	271	sandstone
271	327	gray shale
327	336	sand
336	376	gray shale
376	410	sand
410	496	gray shale
496	497	sandstone
497	657	gray shale
657	658	sandstone
658	675	gray water sand
675	732	gray shale
732	734	sandstone
734	874	gray shale
874	876	sandstone
876	1084	gray shale and sandy clay
1084	1086	sandstone
1086	1135	gray shale
1135	1165	gray water sand (Lost)
1165	1225	gray shale
1225	1240	brown sandstone water sand
1240	1255	shale

1255 Show exact depth of bottom

51,079

323639

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

Filed this 3 day of
August A. D. 19 72
at 2:40 o'clock, P. M.

Helen Steele
County Recorder

Elaine J. Cook
Deputy

Filed
Fee: $2.00

GW .

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

File No.....

T. 21N R. 55E

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

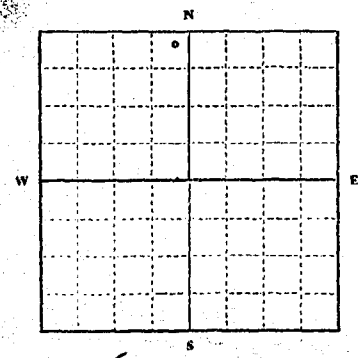
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1 Richard D. Blackwood, of Skaar Rte Sidney
(Name of Appropriator) (Address) (Town)

County of Richland State of Montana

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



NE¼ NW¼ Sec. 5 T. 22 R. 58

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Aproximately 1940 to date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 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 Pump Jack

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1940 Aprox

8. The depth of water table Aprox 60 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 60 ft.

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

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 Available

Signature of Owner Richard D. Blackwood

Date 12-31-63

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

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

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

29868

286575

STATE OF MONTANA,
County of Richland, } ss.

Filed this 31 day of
December A. D. 19 63
at 12:55 o'clock, P.M.

E. L. Kooker
County Recorder

E. Cook
Deputy

Fee $2.00
filed

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

File No.

T. 21 N R. 58 E

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

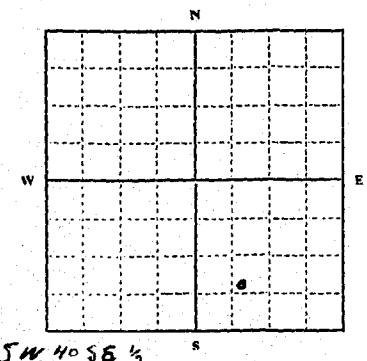
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ora W Bradley (Name of Appropriator), of Grand (Address) (Town)

County of Richland State of Montana

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



SW, 40 SE ½ ¼ Sec. 5 T. 21 R. 58

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: irrigate lawn + garden also stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1952 to date

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 280 gal

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 + garden

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: June 1952

8. The depth of water table: 80 ft with water raise to 5 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: 9 in case with 1¼ in pipe with 2 cyl well head

10. The estimated amount of groundwater withdrawn each year: 200,000

11. The log of formations encountered in the drilling of each well if available: clay 48 ft 1 ft coal 31 ft clay + gravel

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

Signature of Owner: Ora W Bradley

Date: Dec 31-1963

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

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

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

30036

STATE OF MONTANA, } ss. 286742
County of Richland,

Filed this 31 day of
December A.D. 1963
at 3:42 o'clock P. M.

E. L. Looper
County Recorder

Helen Deecke
Deputy

Fee $2.00
Filed

GW 3

File No.....

DUPLICATE

T. 21 N R. 58 E

County Richland

10

RECEIVED
DEC 26 1963
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 .....

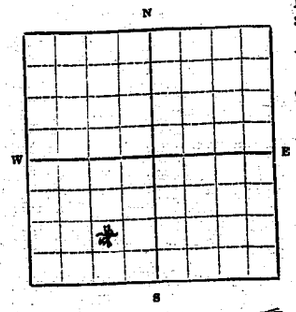
Owner Doris Myron Address Crane, Montana

Contractor (if any) Harry Dombrosky

Address of Contractor 826 4th St Sidney Mont

Date Started Sept 25 Date Completed Oct 25, 1963

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Dug out grid pit 36" x 10 ft pipe. Piped water 300 ft. to Steel Tank.



SW ¼ Sec 10 T 21 R 58

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 1½ gallon per min. Hand gallon measure.

Signature of Owner Doris Myron

Date Dec. 10, 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.

12658

285951

STATE OF MONTANA, } ss. 285951
County of Richland,

Filed this 23 day of
Dec A. D. 19 63
at 3:28 o'clock P. M.

E. L. Kuhlen
County Recorder

D. Sullivan
Deputy

Fee: $2.00
Filed

GW

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

T. 21 N R. 58 E

County Richland

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

STATE ENGINEER

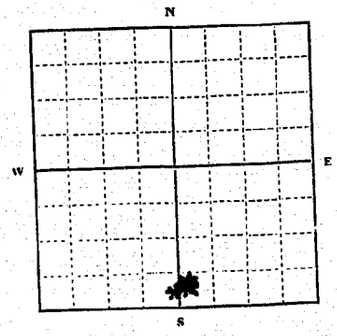
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Doris Myron (Name of Appropriator), of (Address) Crane (Town)

County of Richland State of Montana

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



S ¼ E Sec. 10 T. 21 R. 58

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1925

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

Not

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 Unknown

8. The depth of water table 21 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 Sand point 24 ft.

10. The estimated amount of groundwater withdrawn each year 40,000

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 Doris Myron

Date Dec 26, 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.

29381

STATE OF MONTANA,
County of Richland, } ss. 286052

Filed this 27 day of
December A. D. 1963
at 12:48 o'clock, P. M.
E. L. Kooker
County Recorder
E. Cook
Deputy

fee $2.00
filed

G

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

T. 21 N R. 58 E.

File No.....

County Richland

DUPLICATE

RECEIVED
JAN 10 1964
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

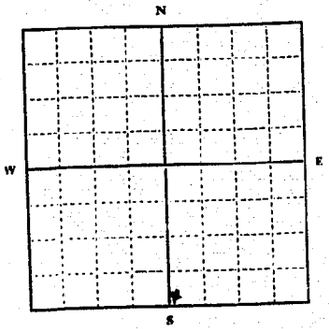
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Doris Myron (Name of Appropriator), of Crane (Town) (Address)

County of Richland State of Montana

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



S ¼ E Sec. 10 T. 21 R. 58

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.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1936 - Continuous

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

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

8. The depth of water table 21 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 Sand point 24 ft.

10. The estimated amount of groundwater withdrawn each year 40000 gal

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

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

Signature of Owner Doris Myron

Date October 26, 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.

29382

STATE OF MONTANA, } No. 286053
County of Richland, }

Filed this 27 day of
December A. D. 19 63.
at 12:50 o'clock P. M.
E. L. Cooper
County Recorder
E. Cook

fee $2.00
filed

G

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

File No.

T. 21 N R. 58 E

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 20 1964

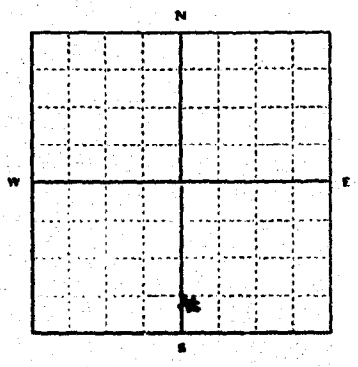
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Doris Myron (Name of Appropriator), of Crane (Address) (Town)

County of Rich Land State of Montana

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



S ½ E Sec 10 T. 21 R. 58

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1925 Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 Not

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 1926

8. The depth of water table 21 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 12" x 48 ft dug drilled

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

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 Doris Myron

Date Dec 26, 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.

21313

STATE OF MONTANA,
County of Richland, } ss. 286054

Filed this 27 day of
December A. D. 1963
at 12:52 o'clock P. M.
E. L. Kocken
County Recorder
E. Cook
Deputy

Fee $2.00
filed

GW-

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

File No.

T. 21 N R. 58 E

DUPLICATE

County RICHLAND

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

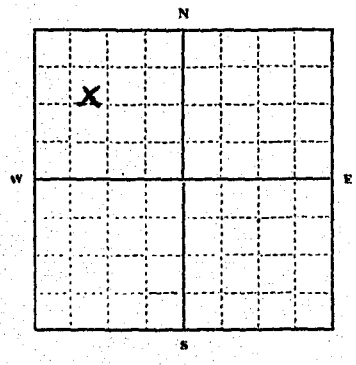
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. SIDNEY LAND & LIVESTOCK of BOX 648 SIDNEY
(Name of Appropriator) (Address) (Town)

County of RICHLAN State of MONTANA

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



¼ Sec 15 T 21 R 58

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 WATTERING

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920 CONTINUOUS USE

4. The amount of groundwater claimed (in miner's inches or gallons per minute) ONE GALLON PER MINUTE

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1920

8. The depth of water table ABOUT 17 FT

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

10. The estimated amount of groundwater withdrawn each year 520,000 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

Signature of Owner [illegible]

Date 12-31-1963

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.

30010

STATE OF MONTANA, } ss. 286716
County of Richland,

Filed this 31 day of
December A. D. 19 63
at 3:15 o'clock, P. M.
E. L. Kooker
County Recorder
E. Cook
~~Deputy~~

fee $2.00
file

G

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

File No.....

T. 21 N. R. 58 E.

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

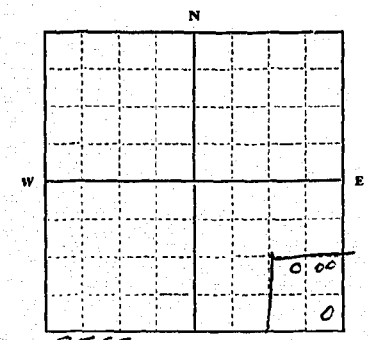
RECEIVED
JAN 10 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elmer Sorensen, of Sidney
(Name of Appropriator) (Address) (Town)

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



SESE
~~SESE~~ Section 15-21-58
.....¼..... 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 Household use, livestock, lawn watering and irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since I purchased the farm in 1947. Use has been constant.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Do not know.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof To the present time it has been used only for household use, livestock watering and lawn watering.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Wells and springs. For location, see platt.

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 Do not know.

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 Sand point wells. Depth varies.

10. The estimated amount of groundwater withdrawn each year Do not know.

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 information.

Signature of Owner Elmer Sorensen

Date 12/30/63

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.

29482

STATE OF MONTANA, } ss. 286178
County of Richland,

Filed this 30 day of
December A. D. 19 63
at 12:30 o'clock P. M.
E. L. Kooker
County Recorder
E. Cook
Deputy

fee $2.00
filed

G

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

File No.....

T. 21 N R. 58 E

DUPLICATE

County.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 10 1964 STATE ENGINEER

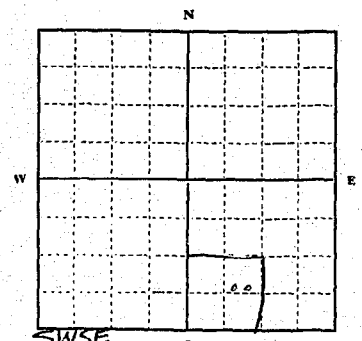
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elmer Sorensen, of Sidney
(Name of Appropriator) (Address) (Town)

County of Richland State of Montana

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



SWSE
~~SESE~~ Section 15-21-58

.....¼..... 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 Household use, livestock, lawn watering and irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since I purchased the farm in 1947. Use has been constant.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Do not know.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof To the present time it has been used only for household use, livestock watering and lawn watering.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Wells and springs. For location, see platt.

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 Do not know.

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 Sand point wells. Depth varies.

10. The estimated amount of groundwater withdrawn each year Do not know.

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 information.

Signature of Owner Elmer Sorensen

Date 1/30/63

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.

29483

STATE OF MONTANA, } ss. 286179
County of Richland,

Filed this 30 day of
December A. D. 19 63
at 12:32 o'clock P. M.

E. L. Kooker
County Recorder

E. Cook
Deputy

fee $2.00
filed

GW 2

STATE WATER CONSERVATION BOARD

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

File No.....

OCT 18 1965

T. 21 N R. 58 E 15

DUPLICATE

Bille ____ McDermott ____
Butzen ____ McNulty ____
Doyle ____ Morton ____
Darlinton ____ Sullivan ____
Dickert ____

County Richland

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground (Elev. above sea level about 1910)

to 1 ft. Topsoil
to 11 ft. yellow soft sand
to 17 ft. yellower sand
to 23 ft. hard gravel and a little water
to 25 ft. Coarse sand
to 30½ ft. hard gravel
to 31 ft. rocky layer and a bit of water
to 34½ ft. Coarse sand and gravel with over 10 g.p.m. of water

End of well:

34½ feet
Show exact depth of bottom.

Owner Leroy Tanglens Address Crane, Montana

Driller Ray J. Petersen Address Sidney, Montana

Date of Notice of appropriation of groundwater June 10 - '65

Date well started June 5 - '65 Date completed June 8 - '65

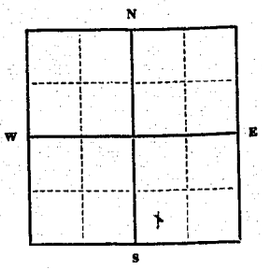
Type of well Drilled (Dug, Driven, bored or drilled) Equipment used Cable Tool (Churn drill, rotary or other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

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.

Water rises to about 14 feet in well

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7 inch	6" O.D. wt. 10.50 per ft.	surface	34½	none	—	—



Static Water Level for non-flowing well 14 feet.

Shut-in Pressure for Flowing Well none

Pumping Water Level 30 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well none

How Tested Drill bailer

Length of Test 1½ hours

Remarks: (Gravel packing, cementing, packers, type of shutoff). Pump is installed on 6 foot pit for house use.

S.W. ¼ of S.E. ¼ Sec. 15 T. 21 N R.

Lot 1 + 2, Block 7
Crane, townsite

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

(Continue on reverse side)

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

no

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

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

111
Driller's License Number

Raymond J. Petersen
Driller's Signature

39695

STATE OF MONTANA,
County of Richland, } ss. 294919

Filed this 15 day of
Oct A. D. 19 65
at 10:25 o'clock, A. M.
E. L. Goehle
County Recorder
D. Sullivan
Deputy

Fee: $2.00
Filed

GW 4

File No.....

DUPLICATE

T. 21 N R. 58 E

County Richland

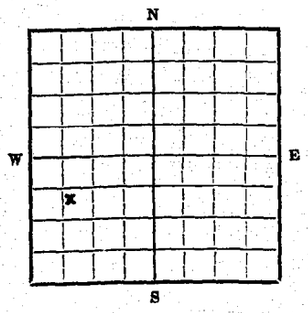
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 18 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. United States of America, of Box 2558 Billings
(Name of Appropriator) (Address) (Town)
County of Yellowstone State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW/4 Sec. 15 T21 R58

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1908 and continuous

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 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 pump

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

8. The depth of water table 10 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater depth of well is 40 feet, 4 inch casing

10. The estimated amount of groundwater withdrawn each year 16 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. This water is used for domestic, household, stock watering, and similar uses by employees of the United States, or its agents in connection with operation of the Lower Yellowstone Federal Reclamation Project.

UNITED STATES OF AMERICA
Signature of Owner
Regional Director, Region 6, Bureau of Reclamation
Date December 3, 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 School of Mines and Quadruplicate for the Appropriator.

9872

STATE OF MONTANA,
County of Richland, } No. 220727

Filed this 16th day of
Dec. A.D. 63
at 11:53 o'clock A M.
C. L. Hooker
County Clerk
R. Atkison
Deputy

fee: 2.00
filed

G

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

File No.....

T. 21 N R. 58 E

DUPLICATE

County RICHLAND

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

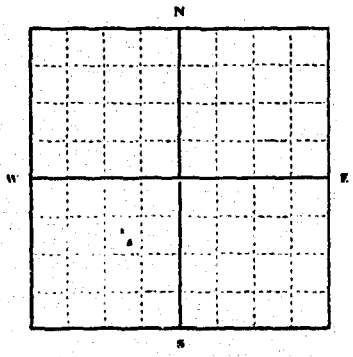
RECEIVED
DEC 16 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Orville Wright, of Box 51 Crane
(Name of Appropriator) (Address) (Town)

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



SW¼ Sec. 15 T. 21 R. 58

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 in house and barn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1916 used continually since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 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 pumping out in pipe line to house in barn lot in NE¼ of SW¼ Sec. 15 T. 21 R. 58

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater One dug in 1916 other drilled in 1939

8. The depth of water table 20 ft and 110 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 One open well 32 ft deep one drilled well 130 ft deep

10. The estimated amount of groundwater withdrawn each year 20,000 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 Orville Wright

Date December 13, 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.

9429

STATE OF MONTANA,
County of Richland, } No. 285699

Filed this 12th day of Dec. A. D. 19 62.
3:05 o'clock P. M.

C. L. Kocken
County Recorder

R. Atchison
Deputy

Fee: 2.00
filed

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—3908

File No.....

T 21 N R 58 E

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
OCT 16 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0	Top of Ground
25	clay (Elev. above sea level 1970)
25	
36	Quick sand
36	
48	fine sand
48	
58	scarce sand& fine gravel
58	

Owner Howard Harman Address Sidney Mont.

Driller Francis Boyce Address Sidney Mont.

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

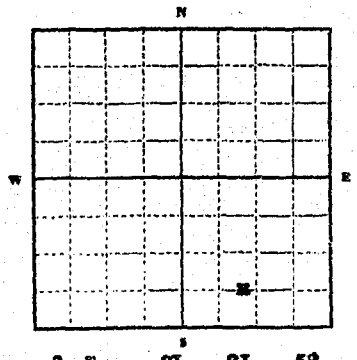
Date well started Oct.7 1963 Date Completed Oct.10 1963

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

Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	4" Pvc. 11lbs. D.F.	0	58	torch slots	51	58



S 1/4 E Sec 21 T 21 R 58

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 15 feet.

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

Pumping Water Level 20 feet at 30 gal. per minute.

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

How Tested bailer Length of Test 3 hours

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

92
Driller's License Number

Francis Boyce
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.

6432

STATE OF MONTANA,
County of Richland, } ss. 284856

Filed this 15 day of
October A. D. 19 63
at 1:40 o'clock P. M.

E. L. Kooker
County Recorder

R. Atchison
Deputy

fee $2.00
filed

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—45642

File No.....

T. 21N R. 58E 27

DUPLICATE

County. Richland

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level.....)

0- 22 sand

22-28 gravel sand water

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner. Ted Huber ..... Address. Savage Mont

Driller. E.C. Gendron ..... Address. Sidney, Montana

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

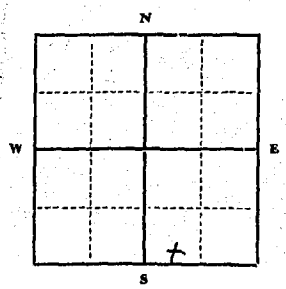
Date well started. 7 May 1968 ..... Date completed. 8 May 1968

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

Water use: Domestic [X] 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)
8"	6" 19#	0-	28	torch slots	22	24



.....¼..... Sec. 27 T. 21 R. 58

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

Static Water Level for non-flowing well 12 .....feet.

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

Pumping Water Level. 18 .....feet

at. 35 .....gal. per minute.

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

How Tested. pump

Length of Test. 3 hrs

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

.....(Continue on reverse side)

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

28

Show exact depth of bottom.

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

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

E.C. Gendron #177
Driller's License Number

E C Gendron
Driller's Signature.

44,257

305581

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

Filed this 24 day of
June A. D. 19 68
at 11:45 o'clock a. M.

Helen Gierke
County Recorder

Lorin Stanford
Deputy

2.00
filed

27

T. 21 N. R. 58 E

County Richland

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
FEB 17 1961
STATE ENGINEER

WATER WELL LOG

Owner Hi Whitlock Address Crane, Mont.

Driller Dave Gulbrea Address Sidney, Mont

Date Started Sept. 23, 1960 Date Completed Oct. 2, 1960

Location: Sec. 27 T. 27 R. 58 ¼ sec. NW

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 53 ft. Type Steel Size 4½"

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: 14 feet.

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

Pumping water level 30 feet at 15 gal. per min.

How tested: Bailer

Length of test 1 HR.

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	14	Sand
14	28	Gravel
28	50	Quicksand
50	53	Gravel

27101

STATE OF MONTANA, }
County of Richland, }

Filed this 16 day of February A.D. 19 61
at 2:50 o'clock P. M.
G. D. Rathbun
County Recorder
By S. Kelly
Deputy

Fee $1.75
Refund

G

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

File No.

T 21 N R 58 E

County Richland

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

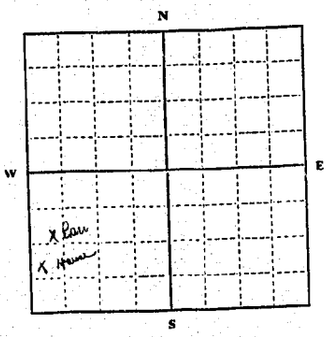
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. H. Ri Whitlock (Name of Appropriator), of Route 1 Savage (Address) Sidney (Town)

County of Richland State of Montana

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



SW ¼ Sec 27 T 21 R 58

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
Water for home and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been September 1960 and continuous since that date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) do not know

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

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 well was drilled to depth of 53 feet in September 1960, has been in use but we plan on going deeper for better water

8. The depth of water table approx. 28 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
53 feet deep, 4 inch casing

10. The estimated amount of groundwater withdrawn each year approx. 40,000 gallons

11. The log of formations encountered in the drilling of each well if available
sand, gravel and some coal

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
Dave Gulbra of Sidney Montana drilled the well

Signature of Owner H. Whitlock

Date 12-31-63

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

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

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

29799

STATE OF MONTANA,
County of Richland, } ss. 286365

Filed this 31 day of
December A. D. 19 63
at 11:45 o'clock, A.M.

E. L. Kocher
County Recorder

E. Cook
Deputy

Fee $2.00
filed

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

27

T. 21 N R. 58 E

File No.

County Richland

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

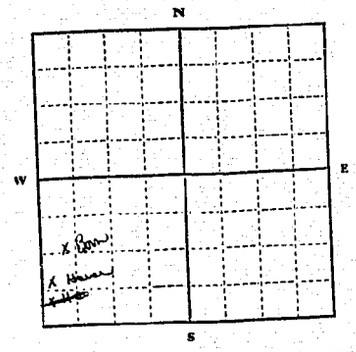
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hi Whitleck, of Route 1 Savage Sidney
(Name of Appropriator) (Address) (Town)

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



SW ¼ Sec. 27 T. 21 R. 58

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been well was on place when we bought it, we have used it since 1959 continuously

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
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 is in the barnyard and it is a 1½ 1¼ Sandpoint with a piston pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater well has been there as far back as 1937 as far as we know.

8. The depth of water table 16 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
Sandpoint well 20 feet deep

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

11. The log of formations encountered in the drilling of each well if available
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
don't know

Signature of Owner Hi Whitleck

Date 12-31-63

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

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

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

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