

STATE OF MONTANA, }
County of Richland, } No. 286325

Filed this 31 day of
December 1963
at 8:45 AM

G. L. Hooker
County Reporter
John Sturke
Deputy
Fee \$2.00
filed

File No.

T. 22 R. 58 E. 3

DUPLICATE

County Richland

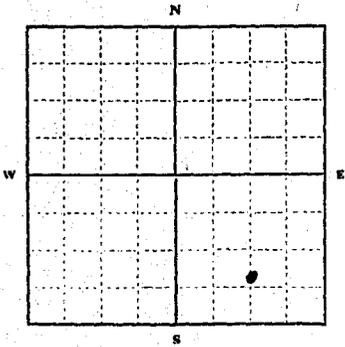
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Roberta Atchison, of 425 2nd St. S.E. 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:



SE 1/4 Sec. 3 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. Watering of livestock
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1950 Continuous since that date
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 6 G.P.M.
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- 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. 1950
- 8. The depth of water table. 10'
- 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" well drilled to 90 feet
- 10. The estimated amount of groundwater withdrawn each year. 200,000 gals per year
- 11. The log of formations encountered in the drilling of each well if available. Not known
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner R.A. Atchison
Date 30 Dec 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.
29449

STATE OF MONTANA, } ss. 286131
County of Richland,

the 30 day of

Dec A. D. 1963

at 9:29 A. M.

E. L. Kasper

J. Sullivan

~~During~~

Filed

GW 1

File No.

T. 22 R. 58

County. Richland

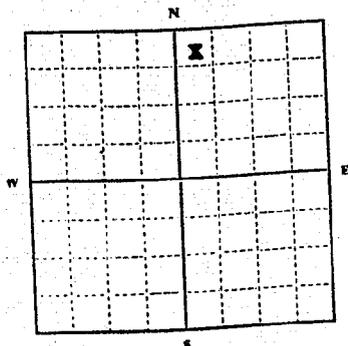
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Walter E. McChesney, Jr., of R.R. #1, Box 251, Sidney (Town)
(Name of Appropriator) (Address)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 8 T. 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.....
About 1907
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
3 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....
.....
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
wind mill and electric water
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
About 1907
8. The depth of water table.....
140 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.....
6" steel casing
10. The estimated amount of groundwater withdrawn each year.....
unknown
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 Walter E. McChesney, Jr.
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. 30016

STATE OF MONTANA, } No. 286722
County of Richland,

Filed this 21 day of
December A. D. 19 63
at 3:27 o'clock, P.M.

E. L. Hooker
County Recorder
E. L. Hooker
Deputy

See 220
Filed

File No.

T. 22 N. R. 58 E

TRIPLICATE

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.....)
0-	57 sand gravel
57-	112 red shaly sand
112-	114 grey shaly sand
114-	119 rock
119-	157 grey sand brown shale
157-	162 grey sand shale streaks
162-	165 coal
165-	167 grey shale

Owner. Henry Dethman Address Sidney, Mont

Driller. E.C. Gendron Address Sidney, Mont

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

Date well started March 11, 1970 Date completed March 21, 1970

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

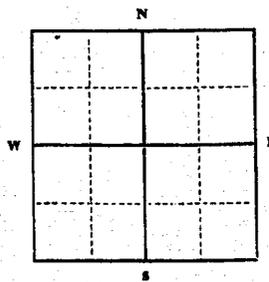
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kid Size	From (Feet)	To (Feet)
5 1/2	4" 11 lb	0	76 1/2	NONE		

Doc. No. 314214
Filed for record
this 24 day of March
A. D. 19 70 at 1:30
o'clock P.M.

MONTANA WATER RESOURCES BOARD
RECEIVED
MAR 25 1970



Static Water Level for non-flowing well 110 feet.

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

Pumping Water Level 130 feet
at.....gal. per minute.

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

How Tested bailler

Length of Test 1 hr

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

NW 1/4 Sec. 9 T22N R58E
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).

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

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

Driller's License Number

E.C. Gendron
Driller's Signature.

46268

Show exact depth of bottom.

314214

STATE OF MONTANA, } ss. 314214
County of Richland, }

Filed this 24 day of
March A. D. 1970
at 1:30 o'clock P. M.

Helen Guetke
County Recorder

Leis Olson
Deputy

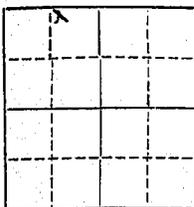
200
file

RECEIVED
 JAN 13 1959
 STATE ENGINEER

T. 22 R. 58E
 County Richland

MONTANA BUREAU OF MINES AND GEOLOGY
 Butte, Montana

WATER WELL LOG



Owner: Leon Meyer Address: Lidney Mont.
 Driller: Bob Evans Address: Lidney Mont.
 Date Started: 3-1-1942 Date Completed: 3-30-42
 Location: Sec. 9 T. 22 R. 58 1/4 sec. N.W.

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

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

Casing: _____ ft. to 160 ft. Type: iron Size: 5 in
 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: _____ 40 feet.

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

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

How tested: _____

Length of test: _____

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

STATE OF MONTANA, } ss. 327510
County of Richland, }

Filed this 18 day of

June A. D. 19 13

at 10:30 o'clock A.M.

Nelan Bierke
County Recorder

June Paladichuk
Deputy

Fee: \$ 2.00

Filed

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 R. Boyle

Address 511 1/2 S. Hwy 101

Date well started 8-6-1972

completed 8-9-1972

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

Equipment used rotary (Chum drill, rotary or other)

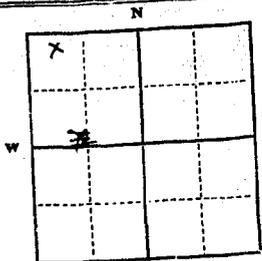
Water Use: Domestic Municipal Stock Irrigation

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 250,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	5" 16 lb.	0	155	none		



1/2 of 71/2
S. Hwy 101, Sec. 10
T. 22 N. R. 58 E

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

Driller's Signature Francis J. Boyle by Fred J. Boyle

Driller's Address Delroy, Mont 59270

LICENSE NO. 72

County Richlin 10

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) 2250

From (Feet)	To (Feet)	
0	10	top soil - brown clay
10	105	brown sand gravel
105	145	gray water sand
145	160	gravel
160		

160 Show exact depth of bottom

51,242

File No.
DUPLIC

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11. S
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STATE OF MONTANA, } ss. 323872
County of Richland, }

Filed this 24 day of
August A. D. 19 72.

at 9:00 o'clock, P. M.

Helen Burke
County Recorder

Jane Paladichuk
Deputy

File No.

T. 22 N. R. 58 E

DUPLICATE

County Richland

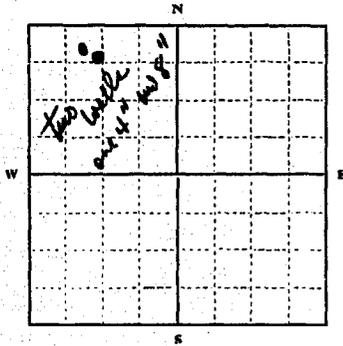
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Robert A. Atchison, of Sidney, Montana
(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:



NW 1/4 Sec 11 T22 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. Irrigation - Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. May 1964 on irrigation. Livestock has been in use since 1961.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 400 GPM for irrigation. Livestock 18 G.P.M.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. 40 acres in Section 11 located in NW 1/4

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump set on 8" casing for irrigation and pressure system used for livestock unit pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. November 1962 irrigation well. Livestock 1961 one livestock well. The livestock well was drilled in Aug. 1961.

8. The depth of water table 12 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. 8" drilled to 108 Ft. irrigation well. 4" drilled to 96' for livestock.

10. The estimated amount of groundwater withdrawn each year 40 acre feet for irrigation

11. The log of formations encountered in the drilling of each well if available. 20' gravel, 36' Blue Clay, balance was water bearing sands to about 100'. In later hole we continued to run a test hole. Then the well layer of 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.

Signature of Owner R.A. Atchison

Date 30 Dec 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.

STATE OF MONTANA, } ss. 286130
County of Richland, }
Filed on 30 day of
Dec. A. D. 1963
at 8:27 P. M.
C. L. Kooker
County Recorder
R. Atkinson
Deputy

fee: 2⁰⁰
filed

File No.

T. 22 N. R. 58 E.

DUPLICATE

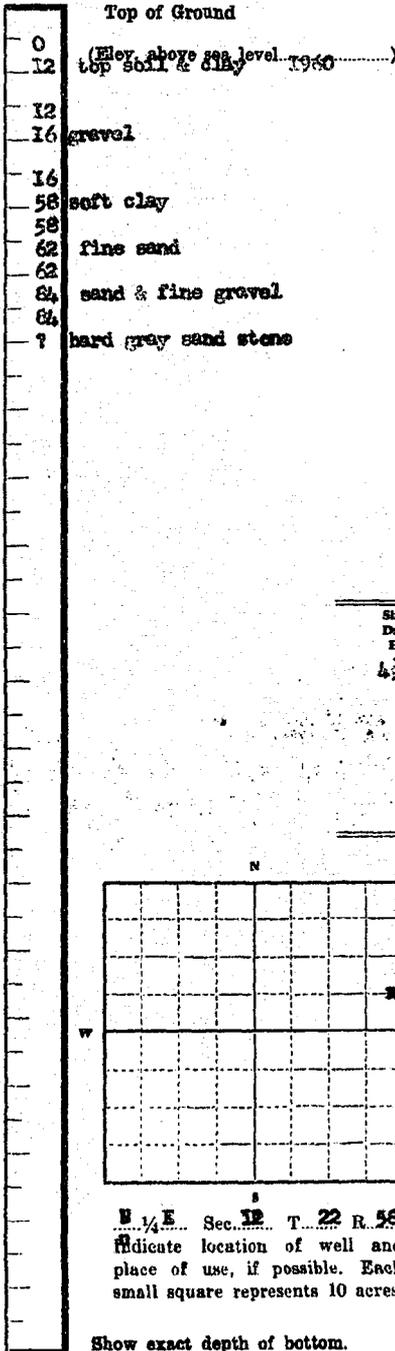
County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 8 1964
STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)



Owner Delbert Bower S Address Sidney Mont.

Driller Francis Boyce Address Sidney Mont.

Date of Notice of Appropriation of Groundwater

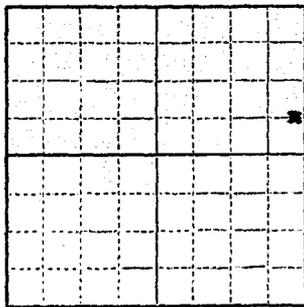
Date well started Sept. 19 1963 Date Completed Sept. 22 1963

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 1/2"	4" II lbs. P.P.	0	72	sand screen 12 ft. exposed	69	84



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

Static Water Level for non-flowing Well 27 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 45 feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailer Length of Test 4 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)

Lot no. 1 Shilling Addition south half of lot

Show exact depth of bottom.

64 ft.

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.

289491

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

Filed this 7 day of

July A. D. 19 64

at 9:55 o'clock, A.M.

[Signature]
County Recorder

[Signature]
Deputy

filed
6/12/64

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

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.

(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 George Haffner
Address Sidney Mont
Date well started 4-6-1972
completed 4-12-1972

For Administrator's Use
File 322404
April 24, 1972 12:50pm
GW 1

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

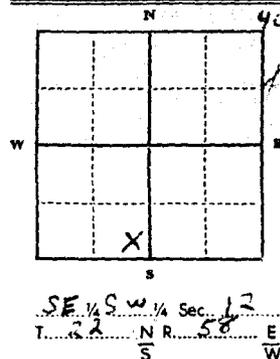
Equipment used ROTARY
(Churn drill, rotary or other)

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 700,000

Size of Drilled Hole	Size and Weight of Casing	PERFORATIONS	
		From (Feet)	To (Feet)
7"	5" S.D.	0	140
5"	1/2 gal	0	1140
			1/2 inch slots



40 acre center pressure
Static water level ft.*
Pumping water level ft.*
flows 15 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) steel
packer set at 1140 ft.
1117' - cemented in with
79 sacks of type 5
cement

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
0	45
45	72
72	106
106	138
138	245
245	268
268	271
271	46
46	?
?	450
450	451
451	512
512	514
514	643
643	648
648	728
728	678
678	719
719	715
715	717
717	727
727	734
734	856
856	865
865	1070
1070	1071
1071	1116
1116	1117
1117	1130
1130	1131
1131	1140

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

Driller's Signature Brandon Boyce
Driller's Address Sidney Mont
LICENSE NO. 72

1140 Show exact depth of bottom

50260

322474

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

Filed this 24 day of

April A. D. 19 72

at 11:30 o'clock, P.M.

Helen Burke
County Recorder

John Costanzo
Deputy

Filed

Fee: \$2.00

T. 27 N R. 58 E
County Richland

RECEIVED
JAN 10 1959
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Ray K. Anderson Address Liberty Mont
Driller David Lubben Address Liberty Mont
Date Started Sept 10, 1958 Date Completed Sept 13, 1958
Location: Sec. 17 T. 27 R. 58 1/4 sec. NE

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 65 ft. Type steel Size 4"

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

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

Perforated or Screened: Ft. 4 to ft. 65 Ft. _____ to ft. _____

Type of screen or perforations 2

Static Water level, for non-flowing well: 25 feet.

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

Pumping water level 25 feet at 2 gal. per min.

How tested: backer + pump

Length of test 1 hr

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

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4047.

File No.

T. 22 N. R. 58 E.

DUPLICATE

County RICHLAND

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER 22 1964

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
 26 yellow clay (Elev. above sea level.....)
 49 gravel
 53 Quick sand
 55 gravel
 70 blue clay
 74 blue sandy clay
 92 blue clay
 102 coal

Owner: Earl A. Krause Address: Route # 2

Driller: DAVE GULBRAA Address: SIDNEY, MONT.

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

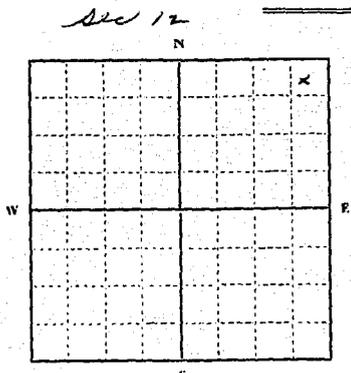
Date well started: Oct, 10, 1963 Date Completed: Nov, 20, 1963

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" OD 10 1/2 LB/FT.	0	55	NONE		



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

Show exact depth of bottom.

Static Water Level for non-flowing Well..... 29 feet.

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

Pumping Water Level..... 40 feet at 30 gal. per minute.

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

How Tested: Bailer Length of Test: 3 HRS......

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

acres irrigated, if used for irrigation).....

Gravel packed from 5.5 to 10.7

94
Driller's License Number

David Gulbraa
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.

287138

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

Filed this 21 day of
January A. D. 1964

at 10:30 o'clock A.M.

E. L. Parker
County Recorder

Deputy

fee: 2.00
filed

12

File No.

T. 22N R. 58E M.P.M.

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater about 1900

Owner Robert E. Schilling Address Sidney, Mont.

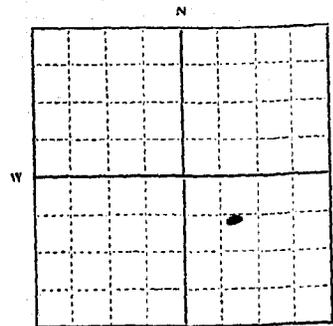
Contractor (if any) Kallaug Brothers

Address of Contractor Sidney, Mont.

Date Started Fall 1961 Date Completed Fall 1961

Describe means of obtain'g groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural flow spring.

Drain tile to a catch basin, piped to a tank.



NN 1/4 SE Sec 17 T 22N R 58E

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 Carries

100 head of cattle @ 30 gallons per head per day - 3000 g.p. Day.

Signature of Owner Robert E. Schilling

Date Dec. 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.

STATE OF MONTANA, } ss. 286324
County of Richland, }

Filed this 3 day of
December D. 1962

at 8:48 P. M.

E. L. Goffner
County Recorder
Walter Burke
Deputy

for \$3.00
filed

RECEIVED

MAR 24 1960

STATE ENGINEER

T. 27 N R 58 E ¹²
County Richland

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner E. J. Thornton Address Sidney Mont
 Driller Ronald Gulbran Address Sidney Mont
 Date Started Sept 19, 1959 Date Completed Sept 22, 1959
 Location: Sec 17 T 27 R 58 ¼ sec. NE

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

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

Casing: 0 ft. to 19.0 ft. Type steel Size 4"
 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: 18 feet.

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

Pumping water level 50 feet at 70 gal. per min.

How tested: lower

Length of test: 3 ½ HRS

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

gravel packed

(over)

File No.

T. 22 R. 58E.

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of ~~Appropriation~~ 1936

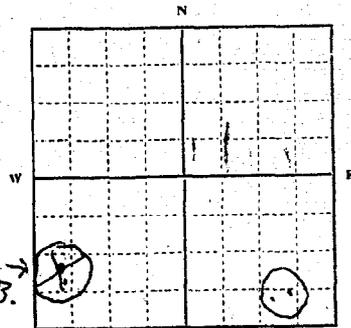
Owner John O'Brien Address Sidney, Montana

Contractor (if any) None

Address of Contractor None

Date Started No work done Date Completed

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



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. Over 4,000 gallons per day. They say a cow will drink

40 gallons per day during hot weather. 40 gal per cow, times 100 cows equals 4,000 gal.

and there is water that is not used in the driest summer, since our time. 12 mo. use.

Signature of Owner John O'Brien
Date Dec. 26, 1963.

S. E. all
Sec. 15 T. 22 R. 58 E.

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

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.

286049

STATE OF MONTANA, } ss. 286049
County of Richland,

Filed this 21 day of
December A. D. 19 63
at 12:42 o'clock P.M.

E. L. Kasher
County Recorder
E. Cook
Deputy

fee \$2.00
filed

15

File No.....

T. 22 N. R. 58 E.

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....1936.....

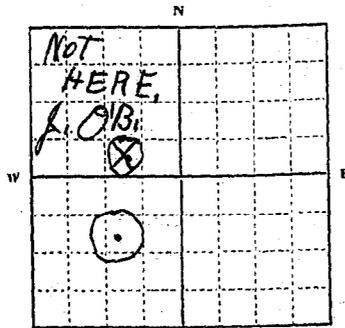
Owner.....Fred O'Brien and John O'Brien..... Address.....Sidney, Montana.....

Contractor (if any).....None.....

Address of Contractor.....None.....

Date Started.....No work needed..... Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural flow of spring makes small stream about 300 feet long.



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.....Over 1,000.....

S.W.

Sec 15 T. 22 R. 58 E.

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

8.5 gals. per day. Will water over 25 cattle per day. We used 40 gal. per cow per day to estimate. Use it 9 or 10 mo. per year.

Signature of Owner.....John O'Brien.....

Date.....Dec. 28, 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.

STATE OF MONTANA, } ss. 28650
County of Richland,

Filed this 27 day of
December A D 1963
at 12:44 o'clock, P. M.

E. R. Kooker
County Recorder
E. Cook
Deputy

fee \$2.00
filed

17

File No.

T. 22 R. 58

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

D
P

JAN 10 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1933 Prior to 1930

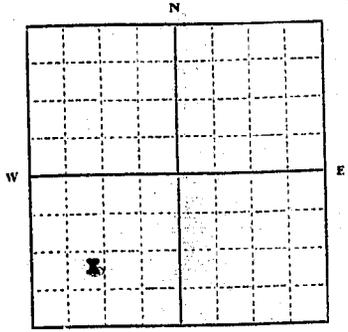
Owner Walter E. McChesney, Jr. Address R.R. #1, Box 251, Sidney, Mont.

Contractor (if any) none

Address of Contractor

Date Started unknown Date Completed

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



SW ¼ Sec. 17 T. 22 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

runs at rate of about 5 gallons per minute. In use about 8 months out of year

Signature of Owner Walter E. McChesney, Jr.

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.

30018

STATE OF MONTANA, } ss. 286724
County of Richland, }

Filed this 31 day of
December A. D. 1963

at 3:24 o'clock, P. M.
E. T. Kooker
County Recorder
E. Laaki
Deputy

Fee \$2.00
Filed

STATE OF MONTANA, } ss. 286722
County of Richland,

Filed this 31 day of
December A. D. 19 43
at 3:23 o'clock P.M.

E. L. Kooker
County Recorder
E. L. Kooker
Deputy.

fee \$20.
filed

24

File No.....

T. 22N. R. 58E.

DUPLICATE

County Richland

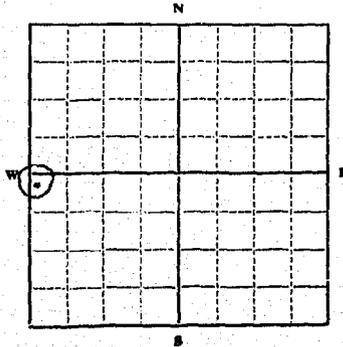
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 26 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Newlon Cemetary Association of Rt. 1, Box 204 Sidney, Montana.
(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.W. 1/4 Sec. 24 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...
Irrigation of trees and grass, flowers.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been...
May 1953 to present date.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof...
1/4 A. in N.W. corner of S.W. 1/4 Sec. 24 22N 58E M.P.M.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal...
Shallow or deep well jet system located as above.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...
common hand pump used 1953 until 1955 when present system was installed.

8. The depth of water table...
95 feet and comes to 40 feet of surface.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater...
1 1/2 inch pipe to a depth of 60 feet.

10. The estimated amount of groundwater withdrawn each year...
69,650 gallons.

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

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 Mrs. Betty A. B. B. B.
Christy Wilcox, Sec. 24
Date 12-19-63

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.

12644

STATE OF MONTANA, } ss. 285934
County of Richland, }

Filed this 23 day of

Dec. A. D. 1968

at 1:55 o'clock P. M.

C. L. Kooker
County Recorder

R. Johnson
Deputy

fee: 2.00

filed

GW -

File No.

DUPLICATE

Section No. 2

RECEIVED
MAY 20 1964

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

T. 22^N R. 58^E 25
County Richland

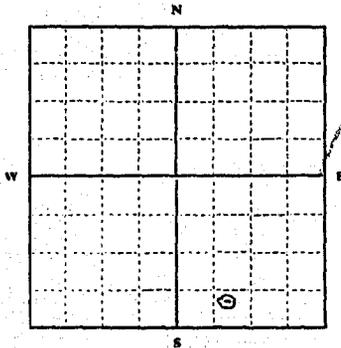
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Oran L. Krueger, of Rt #1 Box 231 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:



S. 1/4 Sec. 25 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 Living Quarters
- 3. Date or approximate date of earliest beneficial use, and how continuous the use has been. 1917 Continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 None
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 5 H.P. Jet Pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approx 1917
- 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 other works for the withdrawal of groundwater Running hand pump 37 ft from ground level - 27 ft from basement level
- 10. The estimated amount of groundwater withdrawn each year 100,000 gal
- 11. The log of formations encountered in the drilling of each well if available unknown
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Oran L. Krueger
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.

29823

286529

STATE OF MONTANA, }
County of Richland, } ss. 286529

Filed this 31 day of

December A. D. 19 63

at 12:09 o'clock, P.M.

G. B. Kosker

County Recorder

E. Cook

Deputy

Fee \$2.00
Paid

GV.

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

File No.

T. 22 N. R. 58 E.

DUPLICATE

County

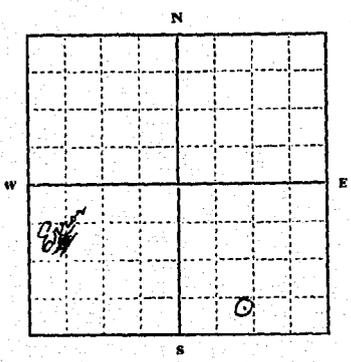
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

D
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Crawford Krugler of P.O. #1 Box 234 Sidney
(Name of Appropriator) (Address) (Town)
County of Buckland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 1/4 Sec. 25 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
- 3. Date or approximate date of earliest beneficial use and how continuous the use has been 1914 Continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Cylinder pump EA 6 5428-25 T22-R58

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater approx 1914
- 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. 19 sandpoint driven well 32' deep
- 10. The estimated amount of groundwater withdrawn each year. 1,000,000
- 11. The log of formations encountered in the drilling of each well if available. unknown
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

Signature of Owner Crawford Krugler
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. 29824

286530
STATE OF MONTANA, } ss. 286530
County of Richland,

Filed this 31 day of
December A. D. 1963
at 12:10 o'clock, P. M.

E. L. Kasper
County Recorder
E. Lask
Deputy

Fee \$2.00
Filed

GW.

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

File No.

T 22 N R 58 E

DUPLICATE

County Richland

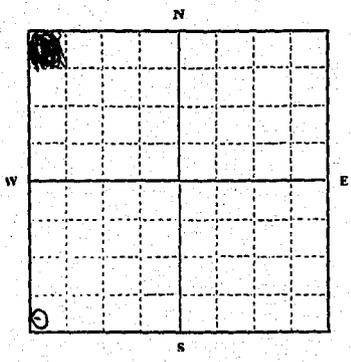
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Oraa L. Krugler, of Pt #1 Box 234 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:



S 1/4 Sec 25 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
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1950 Continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 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 Not used
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Cylinder Pump W 2 9 5 9 in. 25 T 22 - R 58
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. approx 1950
- 8. The depth of water table. 12 ft.
- 9. So far as it may be available, the type, size and depth of each well or the general specification of any other works for the withdrawal of groundwater. 1 1/2 inch, 10 ft, 10 ft, 10 ft
- 10. The estimated amount of groundwater withdrawn each year. 500,000 gal
- 11. The log of formations encountered in the drilling of each well if available. Gravel
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

Signature of Owner Oraa L. Krugler
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.

29822

STATE OF MONTANA, } ss. 286528
County of Richland, }

Filed this 31 day of
December A. D. 1963
at 12:08 o'clock P.M.

E. S. Kooker
County Recorder
E. Cook
Deputy

See 4320
Filed

GW3

File No.

T. 22 N. R. 58 E

DUPLICATE

GW 4

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 24 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater July 1961

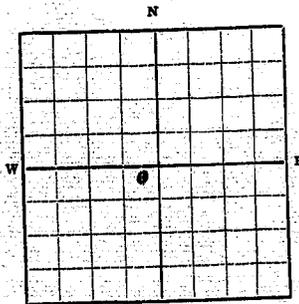
Owner Lewis F. Hartland Address Box 421 Sidney, Montana

Contractor (if any) None

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. Dug out spring to a depth of about 4 feet



Section 1/4 Sec. 24 T. 22 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

Estimated 15 mbia per day

Signature of Owner Lewis F. Hartland

Date July 22, 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 School of Mines and Quadruplicate for the Appropriator.

STATE OF MONTANA, } 283683
County of Richland, }

Filed this 22 day of

July A.D. 1963

at 12:17 o'clock P.M.

E. A. Koster
County Recorder

D. Sullivan
Deputy

ju: 422
jsl

File No.

T. 22^N R. 58^E

DUPLICATE

County RICHLAND

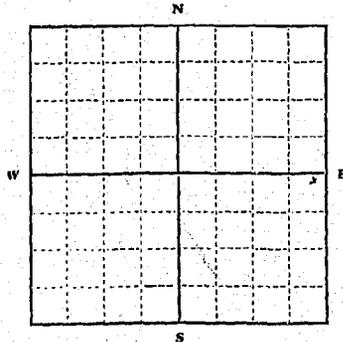
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. LEONARD BAKKEN, of BOX 682 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:



S.E. 1/4 Sec. 11, 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. *Water is used for house & livestock.*

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. *Well was drilled 1918 has been in continuous use since.*

4. The amount of groundwater claimed (in miner's inches or gallons per minute) *500 gallons per min.*

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

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

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. *175 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. *Well has 1 in pipe - 190' depth pumped with electric pressure pumps system*

10. The estimated amount of groundwater withdrawn each year. *400,000 gal*

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 *Leonard Bakken*

Date *1-2-31-63*

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.

29999

STATE OF MONTANA, } ss. 286 705
County of Richland,

Filed this 31 day of
December A.D. 1963
at 3:05 o'clock P. M.

G. J. Rooper
County Recorder
Helen Greinke
Deputy

Dec 20
filed

GW.

File No.

DUPLICATE

T. 22 N. R. 58 E

County. Richland

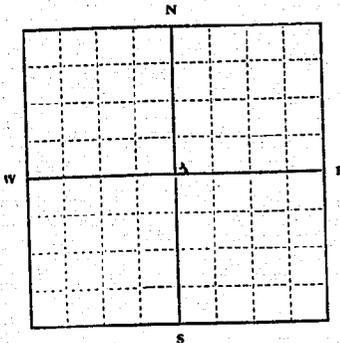
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. LEONARD BAKKEN (Name of Appropriator) of Box 682 (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:



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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1748 in continuous use during summer months.

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

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

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

NE 1/4 Sec. 33 T. 22 R. 58

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

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

8. The depth of water table. 165 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. four in casing 200 ft. deep

1 1/2 in pipe & windmill

10. The estimated amount of groundwater withdrawn each year. 300,000 gal

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 Leonard Bakken

Date 1-2-31-63

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.

29998

100

STATE OF MONTANA, } No. 286704
County of Richland, }

Filed this 31 day of
December, D. 1923

at 3:05 o'clock P. M.

G. J. Rogers
County Recorder

Helena Bierke
Deputy

Fee \$2.00 =
Filed

File No. _____

T 22 N R 58

DUPLICATE

County Robland

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

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 2 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0-1 topsoil
1-3 sand gravel
3-119 sand
119- 120 sand gravel
water

Owner Bud Simard Address Sidney, Mont

Driller Simpson Drig CO. Address Sidney, Mont

Date of Notice of appropriation of ground water _____

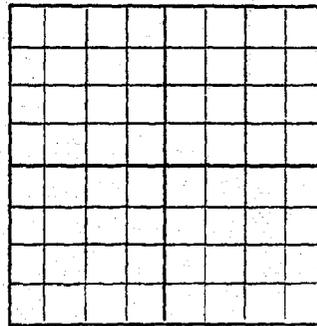
Date well started 17, June 1964 Date Completed 22, June 1964

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	2 1/2" 4" 8.64 #	0	120	none		



1/4 Sec 34 T 22 R 58
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing well _____ feet.
Shut-in Pressure for Flowing Well 53 feet.
Pumping Water Level 76 feet
at 74 gal. per minute.
Discharge in gal. per min. of flowing well _____

How Tested baller
Length of Test _____
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) _____

open end casing

Simpson Drig Co. License Number _____

[Signature]
Driller's Signature

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

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

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

STATE OF MONTANA, } ss. 289478
County of Richland,

Filed this July day of

at 9:55 o'clock A. M.

D. L. Hooker

County Recorder

R. Atchison
Deputy

fee: \$ 2.00
filed

Vertical text on the right edge of the document, possibly a stamp or marginal note.

RECEIVED
MAY 24 1958

T. 22N R. 58E

County. Richland

35

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Reynold Pich Address Sidney
 Driller Andy Marks Address Sidney
 Date Started Mar 19 Date Completed May 21
 Location: Sec. 35 T. 22 R. 58 1/4 sec.

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

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

Casing: 4.0 ft. to _____ ft. Type O.D. Size 6 inch

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

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

Perforated or Screened: Ft. 25 to ft. 40 Ft. 5 ft prof to ft. _____

Type of screen or perforations _____

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

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

Pumping water level 12 feet at 8 gal per minute gal. per min. 80

How tested: Bailing

Length of test one hour

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

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 F. B. Jennie
Address Sidney, Montana
Date well started 3, Oct. 1972
completed 4, Oct. 1972

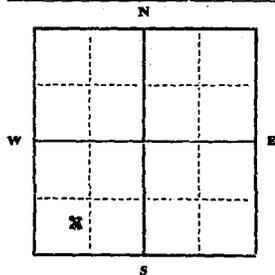
For Administrator's Use
File # <u>324396</u>
<u>10/12/72 @ 11:25 AM</u>
GW 1

Type of well drilled
(Dig, driven, bored or drilled)
Equipment used churn drill
(Churn drill, rotary or other)
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other Garden/Lawn

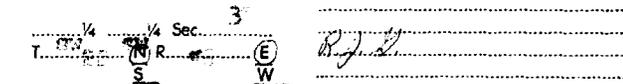
*Describe
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL 300,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>7"</u>	<u>6 1/2" 17"</u>	<u>5</u>	<u>50</u>	<u>tearh slots</u>	<u>44</u>	<u>48</u>



Static water level ft.*
Pumping water level ft.*
at gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by 161' 6"
for hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)



INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 1/4 ACRES.

Driller's Signature [Signature]
Driller's Address 3100 Sidney, Montana
LICENSE NO.

County Richmond

DRILLER'S LOG **36**

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)
<u>0</u>	<u>5</u>
<u>5</u>	<u>10</u>
<u>10</u>	<u>42</u>
<u>42</u>	<u>50</u>

pit
mud clay
sand
gravel sand water

Show exact depth of bottom

51,610

STATE OF MONTANA, } ss. 324396
County of Richland, }

Filed this 13 day of

Oct A. D. 19 72

at 11:35 o'clock P. M.

Helen Gierke

County Recorder

June Paladichuk

Deputy

Filed

Fee: \$ 2.00

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

OCT 21 1971

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Matt Pamber

Address Box 217 - R1

Sedrooy, Mont

Date well started 7-3-1971

completed 8-3-1971

Type of well drilled

Equipment used rotary

Water Use: Domestic Municipal Stock Irrigation

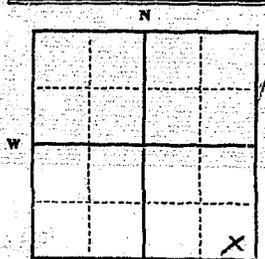
Industrial Drainage Other Garden/Lawn

*Describe used for house and stock

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 1,800,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	5" I.D. 15' cas. etc.	0	71			
4 7/8"	1 1/2" galv. pipe	710	1120	4x4" touch	1080	1120



S.E. 1/4 S.E. 1/4 Sec. 36
T. 2 S. R. 5 E.

Static water levelft.*
Pumping water levelft.*
Flow rate 30 gallons per minute,
measured minutes after pumping
began. 84 minutes at 100 psi
*Measured from ground level.
Well developed by
for hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) 4 1/2" hole
1080 - 1120
1080 - 1120

DRILLER'S LOG

Indicate the character, color, thickness of strata such as silt, 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) 1720

From (Feet)	To (Feet)	Description
0	20	Top soil
20	27	clay
27	32	clay
32	38	clay
38	45	clay
45	52	clay
52	58	clay
58	65	clay
65	72	clay
72	78	clay
78	85	clay
85	92	clay
92	98	clay
98	105	clay
105	112	clay
112	118	clay
118	125	clay
125	132	clay
132	138	clay
138	145	clay
145	152	clay
152	158	clay
158	165	clay
165	172	clay
172	178	clay
178	185	clay
185	192	clay
192	198	clay
198	205	clay
205	212	clay
212	218	clay
218	225	clay
225	232	clay
232	238	clay
238	245	clay
245	252	clay
252	258	clay
258	265	clay
265	272	clay
272	278	clay
278	285	clay
285	292	clay
292	298	clay
298	305	clay
305	312	clay
312	318	clay
318	325	clay
325	332	clay
332	338	clay
338	345	clay
345	352	clay
352	358	clay
358	365	clay
365	372	clay
372	378	clay
378	385	clay
385	392	clay
392	398	clay
398	405	clay
405	412	clay
412	418	clay
418	425	clay
425	432	clay
432	438	clay
438	445	clay
445	452	clay
452	458	clay
458	465	clay
465	472	clay
472	478	clay
478	485	clay
485	492	clay
492	498	clay
498	505	clay
505	512	clay
512	518	clay
518	525	clay
525	532	clay
532	538	clay
538	545	clay
545	552	clay
552	558	clay
558	565	clay
565	572	clay
572	578	clay
578	585	clay
585	592	clay
592	598	clay
598	605	clay
605	612	clay
612	618	clay
618	625	clay
625	632	clay
632	638	clay
638	645	clay
645	652	clay
652	658	clay
658	665	clay
665	672	clay
672	678	clay
678	685	clay
685	692	clay
692	698	clay
698	705	clay
705	712	clay
712	718	clay
718	725	clay
725	732	clay
732	738	clay
738	745	clay
745	752	clay
752	758	clay
758	765	clay
765	772	clay
772	778	clay
778	785	clay
785	792	clay
792	798	clay
798	805	clay
805	812	clay
812	818	clay
818	825	clay
825	832	clay
832	838	clay
838	845	clay
845	852	clay
852	858	clay
858	865	clay
865	872	clay
872	878	clay
878	885	clay
885	892	clay
892	898	clay
898	905	clay
905	912	clay
912	918	clay
918	925	clay
925	932	clay
932	938	clay
938	945	clay
945	952	clay
952	958	clay
958	965	clay
965	972	clay
972	978	clay
978	985	clay
985	992	clay
992	998	clay
998	1005	clay
1005	1012	clay
1012	1018	clay
1018	1025	clay
1025	1032	clay
1032	1038	clay
1038	1045	clay
1045	1052	clay
1052	1058	clay
1058	1065	clay
1065	1072	clay
1072	1078	clay
1078	1085	clay
1085	1092	clay
1092	1098	clay
1098	1105	clay
1105	1112	clay
1112	1118	clay
1118	1125	clay

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

Driller's Signature Francis Boyce

Driller's Address Sedrooy, Mont.

LICENSE NO. 92

1120 Show exact depth of bottom

44257

320584

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

Filed this 19 day of
Oct A. D. 19 71
at 10:45 o'clock, A. M.

Willie Shick
County Recorder
Joy Costermeyr
Deputy

Fee: \$2.00
Filed