

File No.

NOV 24 1965

T. 26 N R. 57 E 19

DUPLICATE

Billie _____ McDermott _____
Butzer n _____ McNulty _____
Coyle _____ McIton _____
Darlington _____ Sullivan _____
Dickert _____

County Richland

LOG

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 2810)

- to 1 ft. topsoil
- to 12 ft. yellow sandy clay
- to 14 ft. blue clay mixed with coal slack,
- to 26 ft. yellow sand,
- to 30 ft. blue clay
- to 36 ft. yellow sandy soil
- to 39 ft. blue clay and a trickle of water,
- to 41 ft. brownish yellow sand
- to 47 ft. hard blue clay
- to 49 ft. hard green clay
- to 52 ft. hard shale rock
- to 60 ft. hard whitish clay
- to 81 ft. light gray clay
- to 91 ft. dark gray clay
- to 96 ft. dark gray sand and some water,
- to 101 ft. hard coal and lots of water here.

End of well:

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner William S. Hughes Address Bozeman, Montana

Driller Ray J. Peterson Address Sidney, Montana

Date of Notice of appropriation of groundwater Nov. 14-1965

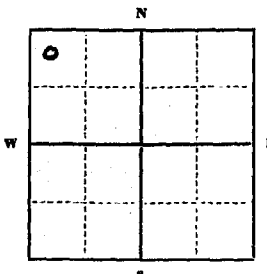
Date well started Nov. 10-'65 Date completed Nov. 12-'65

Type of well Drilled Equipment Cable tool
(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.
Water rises to 6.5 ft. level.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7 inch	6 inch O.D.	surface	101	1/2 inch round hole	86	101
	Wt. 10.50#					



Static Water Level for non-flowing well 65 feet.

Shut-in Pressure for Flowing Well none

Pumping Water Level 7.0 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well none

How Tested Drill bailer

Length of Test 1 1/2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Pump unit is pressure system and is located in 7 ft. pit with cover over same.

N.W. 1/4 of N.W. 1/4 Sec. 19, T. 26, R. 57
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).

not so used

101 feet
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.

111
Driller's License Number

Ray J. Peterson
Driller's Signature

39889

295536
STATE OF MONTANA, } ss. 295536
County of Richland, }

Filed this 22 day of
Nov A. D. 1965
at 3:42 o'clock, P.M.
E. L. Kuebler
County Recorder
Ed. Sullivan
(Deputy)

Fee: \$ 2.00
filed

File No.

T. 26 N. R. 37 E

DUPLICATE

County Richland

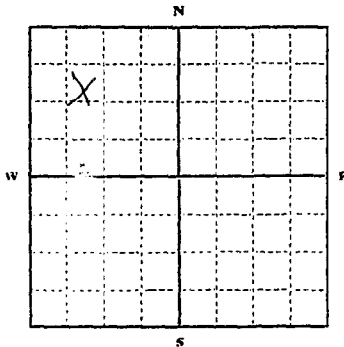
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. O'Senser Brothers, Inc., of Salisbury
(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:



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

3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been. 1953--continuously

4. The amount of groundwater claimed (in miner's inches or gallons
per minute)..... 10 gals. 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
No irrigation

6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal.....
3" cylinder pump NW 1/4 Sec. 22 T. 26 N. 37

NW 1/4 Sec. 22 T. 26 N. 37

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 with-
drawal of groundwater..... 1953

8. The depth of water table..... ground level

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater. 2" steel casing--depth 30'
In connection with this is a stock water dam catching the spring runoff which keeps
the water table at the well at ground level.

10. The estimated amount of groundwater withdrawn each year 250,000 gals.

11. The log of formations encountered in the drilling of each well if available. Mixed formation of clay and gra-
vel.

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.....

O'Senser Brothers, Inc.
Signature of Owner Secretary

Date December 30, 1961

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.

29869

286576

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

Filed this 31 day of

December A. D. 19 63

at 12:56 o'clock P.M.

E. L. Keener

County Recorder

E. Cook

Deputy

fee \$2.00
filed

GW3

File No.

DUPLICATE

T. 26^N R. 57^E

County RICHLAND

RECEIVED
DEC 10 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 1944

BLUE HILL STOCK RANCH
Owner ARTHUR R ANDERSON Address CULBERTSAN

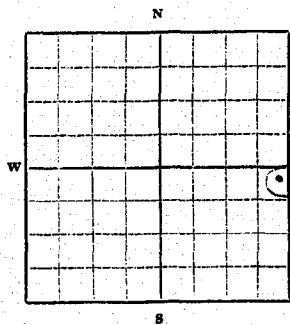
Contractor (if any) NONE

Address of Contractor NONE

Date Started 6-4-1944 Date Completed 6-7-1944

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

This is a spring developed to pipe water by an accumulation reservoir and piping to a stock tank down stream



NE 1/4 S.E. Sec. 25 T. 26 R. 57

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 About

1 gal per minute used to water livestock from May 1st to Dec 31 of each year.

Signature of Owner Arthur R. Anderson

Date 12/9/1963

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.

25

2935

STATE OF MONTANA, } ss. 2856, 2857
County of Richland, }

Filed this 9 day of

Dec A. D. 19 63

at 3:14 o'clock P.:M.

E. L. Kender
County Recorder

D. Sullivan
Deputy

fee: \$2.00
Filed

File No.

T. 26N R. 57E

DUPLICATE

County Richland

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

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

Top of Ground 28
(Elev. above sea level.....)

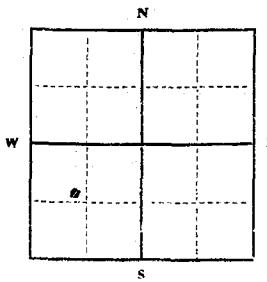
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
130
135
140
145
150

Clay
Steady
Clay
Coal
Clay
hard sand & water
Clay

Owner Anderson Address Sidney Mont
 Driller Albert Anderson Address Medicine Lake
 Date of Notice of appropriation of groundwater May 7 - 1969
 Date well started May 5 - 69 Date completed May 7 - 1969
 Type of well drilled Equipment used V.V.T.A.V.V.
 (Dug, driven, bored or drilled) (Churn drill, rotary or other)
 Water use: Domestic Municipal Stock Irrigation
 Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 1/2"	5 in. 1.0.	0	145	3/16	140	145
3 1/2"	15.5					
3 1/2"	16 in.					



Static Water Level for non-flowing well 112 feet.
 Shut-in Pressure for Flowing Well 0
 Pumping Water Level 142 feet
 at 7 gal. per minute.
 Discharge in gal. per min. of flowing well

How Tested Pump
 Length of Test 2 hr.

NW 1/4 Sec. 27, T. 26, R. 57
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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).

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.

106
 Driller's License Number
Albert Anderson
 Driller's Signature.

45,284

310656

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

Filed this 26 day of
May A. D. 1969.
at 2:15 o'clock, P.M. of
Heber Drake
County Recorder

Deputy

Fee 2.00
filed

GW

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

File No.

T. 26 N. R. 57 E

DUPLICATE

County. RICHLAND

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

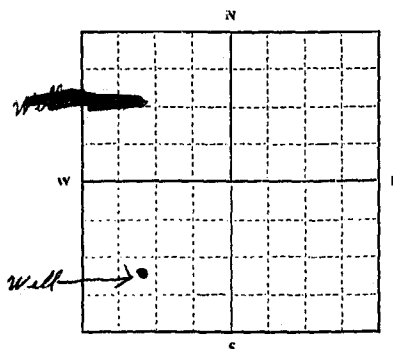
RECEIVED
DEC 10 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

BLUE HILL STOCK RANCH

1. ARTHUR R. ANDERSON, of CULBERTSON
(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 S.W. Sec. 29. T. 26. 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. Watering livestock and household use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1911
Continuous use 12 mo. of each year
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 gals
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.
X
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump by electric pump jack.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1911 Do not know month or day.
8. The depth of water table. (60 ft.) Eighty 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 well. 2" casing 160' 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. 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. Unknown

Signature of Owner. Arthur R. Anderson

Date. 12/9/1963

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.

2420

STATE OF MONTANA, } ss. 285674
County of Richland, }

Filed this 9 day of

Dec A. D. 19 63

at 3:12 o'clock P. M.

E. L. Kosher
County Recorder

D. Sullivan
Deputy

fee: \$2.00
filed

File No.

T. 26 N R. 57 E

DUPLICATE

County RICHLAND

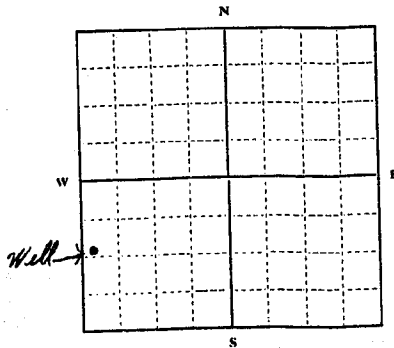
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 10 1963

Declaration of Vested Groundwater Rights

BLUE HILL STOCK RANCH (Under Chapter 237, Montana Session Laws, 1961)

1. ARTHUR R. ANDERSON of CULBERTSON
(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 SW Sec. 29, T. 26 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 USE

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1948 and 12 MONTH
OF EACH YEAR

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

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
jet pump pressure system

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 8-10-1948 completed 8-24-1948

8. The depth of water table. 15' approx

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" casing Boxed Well 45' deep

10. The estimated amount of groundwater withdrawn each year. 72,000 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 available

Signature of Owner Arthur R. Anderson

Date 12/9/1963

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.

6433

STATE OF MONTANA,)
County of Richland,)

285848

Filed this 9th day of Dec. A. D. 19 16.3

at 3:10 o'clock P. M.

C. L. Kocken
County Recorder

R. Atchison
Deputy

fee: \$200
filed

T. 26 N. R. 57 E. 32
 County Richland

File No.

DUPLICATE

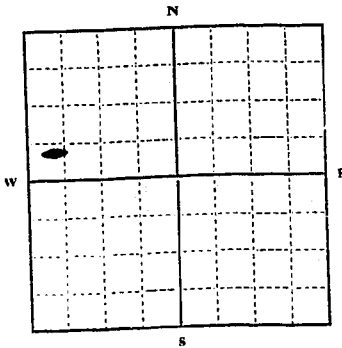
STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Albin Zeman, of Culbertson,
 (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, N.W. Sec. 22, T. 26, 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 Drinking water & also stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1910 & it has been used ever since

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 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 By a pump run by an electric motor.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. no information available

8. The depth of water table 70'

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

no information available

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

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 Albin Zeman

Date Dec 28, 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.

29453

286142

STATE OF MONTANA,
County of Richland,

Filed this 30 day of

December A. D. 1963

at 11:19 o'clock P. M.

C. L. Koske
County Recorder

C. Cook
(Deputy)

fee \$2.00
filed

RECEIVED

T. 26N R 57E 33
County Richmond

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Iver Sundling Sioux Pass Address 40100 comm

Driller Andy Mocher Address Sidney

Date Started Mar 4 Date Completed 6-56

Location: Sec. T. 26 R. 57 1/4 sec 33

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other:

Casing: 118 ft. to ft. Type O. P. Size 6 inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 00 to ft. 118 Ft. 18 ft of pipe ft of

Type of screen or perforations cut wire cutting tool

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

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

Pumping water level 20 feet at 15 gal. per min.

How tested: Bailing

Length of test five draws

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

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	20	Yellow Clay
20	22	Sand Rock
22	60	Blue Clay
60	62	Sand Rock
62	80	Blue Clay
80	84	Coal
84	104	Blue Clay
104	118	Sand + Water

15 gal per min.

265549

STATE OF MICHIGAN
 County of Kentland,
 Filed this 11
 day of September 1953
 A. D. I. Co.
 County Registrar
 & Clerk

File No.

T 26th R 57th

DUPLICATE

County Richland

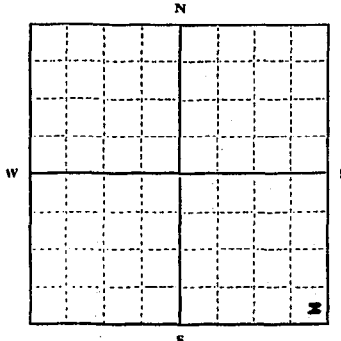
STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

JAN 14 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ernest Mc Ginnis of 410 1/2nd Avenue SW 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:



SE 1/4 Sec 34 T.26 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. domestic, livestock and garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. It is used at all times
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 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 well in operation at date of purchase - 1928
8. The depth of water table 90 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 2 feet in diameter and 80 feet deep
10. The estimated amount of groundwater withdrawn each year 850,000 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

Date

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.

29410

286082

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

Filed this 27 day of
December A. D. 19 63
at 1:48 o'clock P.M.

E. J. Looker
County Recorder
John Dierke
Deputy

for \$2.00
filed

286082

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

Filed this 27 day of
December A. D. 1963

at 1:48 o'clock P.M.

C. L. Hooker
County Recorder
John Durke
Deputy

fee 2.00
filed

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—48557

35

File No.

T. 26 n R. 57 e

DUPLICATE

County Richland

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner Ernest Mc Ginnis Address Sidney, Mont

Driller E.C. Gendron Address SIDNEY, MONT

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

Date well started 25 March 1970 Date completed 26 March 1970

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

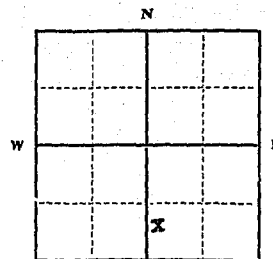
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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.

Top of Ground
(Elev. above sea level.....)
0-- 99 brown sand clay
99- 106 grey sand water
106- 125 grey shale

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 1/2	4" x 1.0 11#	0	105	NONE		

Doc. No. 314362
Filed for record
this 1 day of April
A. D. 19 70, at Sidney
o'clock P. M.



Static Water Level for non-flowing well
65 feet.

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

Pumping Water Level 75 feet

at 10 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested boiler

Length of Test 1 hour

Remarks: (Gravel packing, cementing, pack-

1/4 Sec. 35 T. 26e R. 57n
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 177

Driller's Signature E.C. Gendron

46292

125 Show exact depth of bottom.

314362

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

Filed this 1 day of
April A. D. 1970
at 12:40 o'clock P.M.
Helen
County Recorder

Free 2⁰⁰
filed
Deputy

MONTANA WATER RESOURCES
RECEIVE

APR 2 1970

File No.

T. 26 N., R. 57 E.

DUPLICATE

County Richland

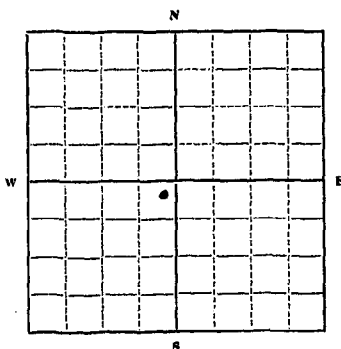
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 19 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. C. G. Glasscock and Geraldine Glasscock, ^{Lawson} of P. O. Box 419, Miles City,
(Name of Appropriator) (Address) (Town)
County of Custer State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36, T. 26 N. R. 57 E

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

2. The beneficial use on which the claim is based.....
Watering livestock
 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Has been used continuously since 1940.
 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 8 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
No irrigation
 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..... 1940
 8. The depth of water table..... Unknown
 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.....
90 foot deep well with 6" casing
 10. The estimated amount of groundwater withdrawn each year..... Unknown, but pumps 8 gallons per minute.
 11. The log of formations encountered in the drilling of each well if available.....
Appropriator knows of no log formations, as well was drilled before present owner purchased land.
 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 known.
- Signature of Owner C. G. Glasscock
Signature of Owner Geraldine Glasscock Lawson
Date November 27, 1963

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

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

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

MTANA WATER RESOURCES
RECEIVE

APR 2 1970

10.500

STATE OF MONTANA, } 285772
County of Richland,

Filed this 17 day of

Dec A. D. 19 63
at 4:26 o'clock P. M.

E. L. Keeler
County Recorder

A. Sullivan

fee: \$5.00

filed

GW 2 2nd well
File No.....

T. 25N R. 58E
County Richland

DUPLICATE

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

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

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

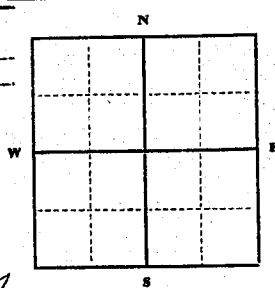
0
7.2
10 clay
20 silty clay
100 fine silty sand
104 soft clay
117 sand & clay streaks
117.6 coal
124 sand thin of gravel
water comes below
coal in sand & gravel

Owner Missouri Gas Trading Assoc. Address Sainville Mont
Driller Albert C. Lewis Address Medicine Lake
Date of Notice of appropriation of groundwater May 19 - 70
Date well started May 19 - 70 Date completed May 19 - 70
Type of well drilled Equipment used rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 1/2" To 115'	4" I.D.	8	119	0	0	0
3 3/4" To 124'	9 lb.					

Doc. No. 315610
Filed for record
this 14 day of July
A. D. 19 70 at 10:35
o'clock A M.



7
26 1/4 Sec. 2 T. 26 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 16 feet.
Shut-in Pressure for Flowing Well 0
Pumping Water Level 9.0 feet
at 2.0 gal. per minute.
Discharge in gal. per min. of flowing well 0
How Tested Pump
Length of Test 3 hr.
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).

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.

106
Driller's License Number
Albert C. Lewis
Driller's Signature.

46689

315610

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

Filed this 14 day of July
at 10:37 o'clock, A. D. 1920
John J. Sierke
County Recorder

3.00 Deputy
Fee 2.00
filed

T. 26 R. 58 E

File No.

DUPLICATE

County Richland

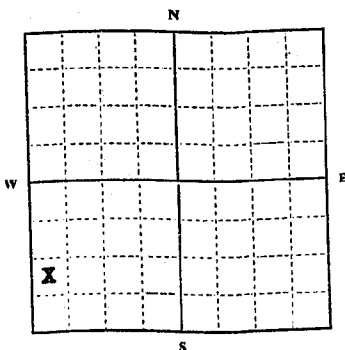
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. The V Lasy U Ranch James N. Bowden Mgr. Star Route Fairview
(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 of Sec. 2 T. 26 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 and House Hold Use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1926 And Continuous Since That Time
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) Two (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
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 Free Flowing (Artesian) Well

- 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 386FT.
- 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 Artesian. 600FT. Deep. Four (4) Inch Casing. This Well Used To Flow Five Gallons Per Minute At 600FT. But Casing Caved In At That Level And We Lost The Lower Level Of Water
- 10. The estimated amount of groundwater withdrawn each year 1,051,200 Gallons
- 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 No Other Information Known

The V Lasy U Ranch
Signature of Owner James N. Bowden Jr.
Date Jan 2 1964

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

32913

STATE OF MONTANA, }
County of Richland, } ss. 287021
Filed this 10 day of
Jan. A. D. 1914.
at 6:30 o'clock P. M.
E. J. Kooker
County Recorder
R. A. Johnson
Deputy

Fee: 2.00
filed

GW

File No.

T. 26 N. R. 58 E

DUPLICATE

County Richland, Montana

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

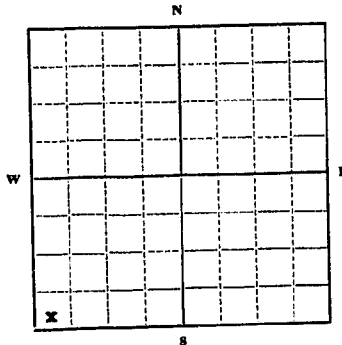
APR 18 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

ASSISTANT
STATE ENGINEER

1. Ray M. Trudell of Nohly, 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:



1/4 Sec. 6 T. 26. 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 used for stock watering
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1914
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) two 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
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal flowing well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater the year of 1914

8. The depth of water table 430 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater not known

10. The estimated amount of groundwater withdrawn each year two gallon per minute

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

Signature of Owner Ray M. Trudell

Date Ray M. Trudell

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.

4211

STATE OF MONTANA, } ss. 282435
County of Richland, }

Filed this 17 day of

April A. D. 19 63

at 3:37 o'clock, P.M.

E. J. Kuder
County Recorder

D. Sullivan
Deputy

fee: \$2.00
filed

GW 3

File No.....

DUPLICATE

Should be GW 4

T. 26 N R. 38

County...Richland...Montana

RECEIVED

APR 18 1963

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

ASSISTANT
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater...1913.....

Owner...Ray M. Trudell... Address...Nohly, Montana

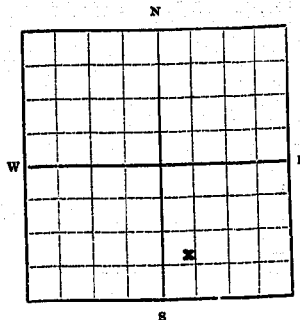
Contractor (if any) ...none found.....

Address of Contractor

Date Started...1913..... Date Completed...1913.....

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

Water on surface.....



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

tent estimate approximate lengths of periods of use

used daily.....

.....1/4..... Sec. 7 T. 26 R. 38

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

Signature of Owner Ray M. Trudell

Date April 17, 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, }
County of Richland, } ss. 282 1/2

Filed this 17 day of

Apr. A. D. 1963.

at 8:35 o'clock, P. M.

E. L. Karker
County Recorder

D. Sullivan
Deputy

fee: \$2.00
filed

File No.

T. 26 N R. 58 E
 7 County Richland

DUPLICATE

LOG

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 STATE WATER CONSERVATION BOARD

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

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

Owner Missouri Pacific Logging Co. Fairview Mont
 Address Fairview Mont

Driller Albert Anderson Address Medicine Lake Mont

Date of Notice of appropriation of groundwater May 16 - 70

Date well started May 7 - 1970 Date completed May 16 - 70

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

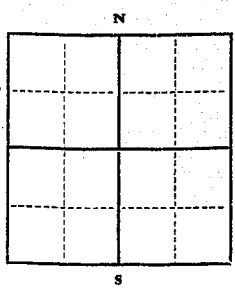
Water use: Domestic Municipal Stock Irrigation
 Industrial Drainage Other

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.

Top of Ground
 (Elev. above sea level.....)
 0
 35 yellow silt
 40 clay
 42 Coal
 43 Clay
 43 1/2 Coal
 46 sandy
 113 Clay
 145 hard sa. s. (sandstone)
 146 red clay
 146 1/2 rock
 150 Clay
 water seems to
 come from interval
 132 - 136 in
 sandstone

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 5/8"	4" I.D.	- 1	143	3/16	132	136
1 3/4"	9 lb.			shale		
4 3/4"						
150						

Doc. No. 315608
 Filed for record
 this 14 day of July
 A. D. 19 70, at 10:35
 o'clock 0 M.



Static Water Level for non-flowing well 120 feet.
 Shut-in Pressure for Flowing Well 0
 Pumping Water Level 144 feet
 at 3 gal. per minute.
 Discharge in gal. per min. of flowing well 0

How Tested Pump
 Length of Test 1 Hr.

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

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.

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.

106
 Driller's License Number

Albert Anderson
 Driller's Signature.

46688

W 3

Approved Stock Form—State Publishing Co., Helena, Montana—42262

File No.

T. 26 N. 58 R.

DUPLICATE

County

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 1961
Owner AA Ranch Address Sidney Mont
Contractor (if any) Dunwoon and Kellogg Bros
Address of Contractor Lurbeck and Sidney
Date Started April 1961 Date Completed Oct 1963

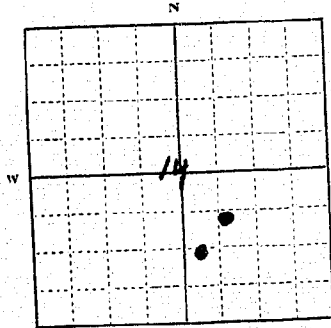
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

Dug in the hill front with power dig shovel then father dug out with Hellways and sub 4 ft

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.

Used mostly in summer but some in winter also



NE 1/4 Sec. 14 T. 26 N. R. 58
Indicate point of appropriation and place of use, if possible.

Signature of Owner AA Ranch
John Clayton, Sec
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.

29688

286394

STATE OF MISSISSIPPI }
County of Hinds } ss.
I, _____, day of
December A.D. 1963
at 9:54 A.M.
E. L. Kooker
County Recorder
E. Cook
Deputy

fee \$2.00
filed

3rd. 9
OW 2

13

File No.

T. 26" R. 58"

DUPLICATE

County Madison

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

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

Owner Missouri River Grazing Assn. Address Lincoln Street

Driller Albert C. Lewis Address Medicine Lake

Date of Notice of appropriation of groundwater May 23 - 70

Date well started May 20 - 70 Date completed May 23 - 70

Type of well drilled Equipment used rotary
(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.

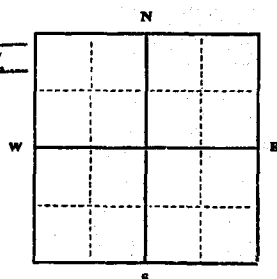
Top of Ground
(Elev. above sea level.....)

0
70
90 silty yellow sand
106 Clay
106 Coal
124 Clay
125-6 coal
128 Clay
139 Coal
180 Clay

hole took water at
about 175 ft. may be
thin of coal or sand
at that level to
produce the water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 7/8" To 1 70'	4" I.D. 9 lb.	0	180	3/16 strata	175	180
4 3/4" To 1 70'						

Doc. No. 315609
Filed for record
this 14 day of July
A. D. 19 70, at 11:36
o'clock A. M.



Static Water Level for non-flowing well 162 feet.

Shut-in Pressure for Flowing Well 0

Pumping Water Level 175 feet
at 4 gal. per minute.

Discharge in gal. per min. of flowing well 0

How Tested Pumped Bail

Length of Test Pump 1 hr.

71 1/4 Sec. 15 T. 26 R. 58
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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).

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.

106
Driller's License Number

Albert C. Lewis
Driller's Signature.

46690

315609

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

Filed this 14 day of

July A. D. 1970

at 7036 J. C. Clerk

Helen Dierke
County Recorder

Deputy

Fee \$ 2.00
filed

OW

File No.

T. 26N R. 58

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

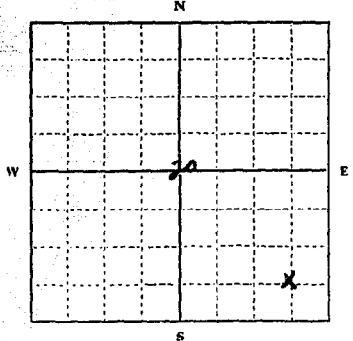
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. AA Ranch, of Selma, Selma
(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:



Center
Sec. 20 T. 26N. 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 for stock water

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Dont no

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 and gas engine

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

8. The depth of water table 285 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 Dont no.

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 AA Ranch
Tela Strydom
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.

29689

82 DE 02 28

x

100

300

182
1910

100

286395

STATE OF MONTANA, } ss.
 County of Richland,
 Filed this 31 day of
 December A. D. 19 63.
 at 9:55 o'clock, A.M.
 E. L. Kooker
 County Recorder
 C. Cook
 Deputy

fee \$2.00
filed

File No.

T. 26 R. 58

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED

County Richland

LOG

JUN 24 1968
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)

Bar Double A Ranch, Address Box 733 Sidney, Montana

Driller Ray J. Petersen, Address Sidney, Montana

Date of Notice of appropriation of groundwater May 28 - '68

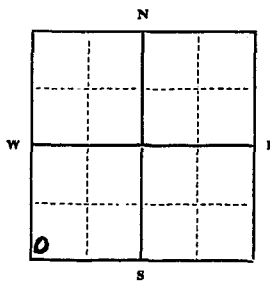
Date well started May 7 - '68 Date completed May 20 - '68

Type of well Drilled Equipment used Cable Tool
(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)		PERFORATIONS		
		To (Feet)	From (Feet)	To (Feet)	Kind Size	From (Feet)
7 inch	6" O.D.	Surface	188			
	10.50 per ft.					
5 inch	4 1/2" O.D.	188	240			
	10.7 per ft.					



Static Water Level for non-flowing well 8.0 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 100 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well None

How Tested Drill bailer

Length of Test 3 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Well has 8 feet of gravel pack in bottom and pump is installed in 8 ft. pit with sanitary cover.

(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).

not so used

Top of Ground

Elev. above sea level About 2000

to 1 ft. soil topsoil

to 11 ft. yellow clay

to 16 ft. heavy yellow clay

to 22 1/2 ft. hard gray clay

to 23 1/2 ft. shaly yellow rock

to 63 ft. bad lands clay

to 82 ft. lightly sandy gray clay
(a little water here)

to 93 ft. hard blue clay

to 97 1/2 ft. blue clay

to 98 1/2 ft. hard gray shale rock

to 107 ft. sandy light gray clay
(a little water)

to 109 ft. hard coal

to 114 ft. softer gray clay

to 126 ft. hard gray clay

to 126 1/2 ft. hard coal

to 158 ft. hard gray clay

to 160 ft. sandy gray clay

to 172 ft. hard gray clay

to 175 ft. very hard slate rock

to 178 ft. hard gray clay

to 191 1/2 ft. sandy clay

to 194 ft. gray clay

to 199 ft. hard coal

to 211 ft. blue clay

to 212 ft. soft coal

to 228 ft. hard gray clay

to 228 1/2 ft. Coal

to 240 ft. hard gray clay

to 242 ft. gray sand and quite
some water here.

to 245 ft. hard blue clay

End of well: SW 1/4 of SW

24.5 feet
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.

111
Driller's License Number

Ray J. Petersen
Driller's Signature.

45,356

STATE OF MONTANA, } ss. 310989
County of Richland, }

Filed this 30 day of

June A. D. 19 69

at 3:32 o'clock, P.M.

Helen Burke
County Recorder

June Paladichuk
Deputy

RECORDED
INDEXED

File No. _____
DUPLICATE

RECEIVED
MAY 20 1964

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

T. 26^N R. 58^E 25
County _____

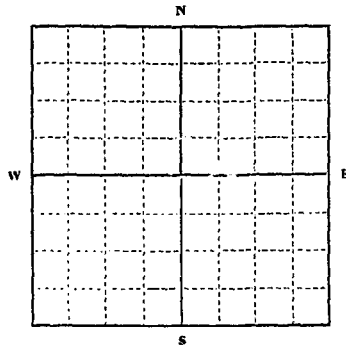
STATE OF MONTANA
STATE ENGINEER
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. AA Ranch, of Sidney Sidney
(Name of Appropriator) (Address) (Town)
County of Parkland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 26, 1/4 Sec. 25, T. 26 R. 58

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

- The beneficial use on which the claim is based Stock water
- Date or approximate date of earliest beneficial use; and how continuous the use has been 1930
- The amount of groundwater claimed (in miner's inches or gallons per minute) Don't no
- 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
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Gas engine on electric motor
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater summers 1930
- The depth of water table 160 ft
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5 in drilled
- The estimated amount of groundwater withdrawn each year don't no
- The log of formations encountered in the drilling of each well if available not
- 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 AA Ranch
Lela Dayton, Inc
Date Dec 21, 1963

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

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

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

29687

GW 3

File No.

DUPLICATE

T. 26^N R. 58^E 30
County. RICHLAND

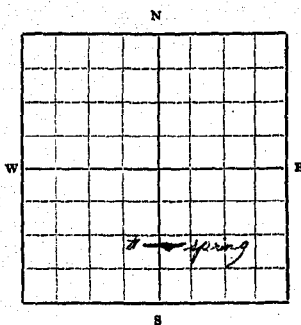
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 10 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1950
Owner BLUE HILL STOCK RANCH ARTHUR R. ANDERSON Address CULBERTSON
Contractor (if any) NONE
Address of Contractor NONE
Date Started 1950 Date Completed 1950



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Digging out a sand trap area and making a large area 8' x 20' which is protected with pilings.

SE 1/4 SW Sec. 30, T. 26, 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
300 gal water per day. used from May 1st thru Dec 31 for stock water use only.

Signature of Owner Arthur R. Anderson
Date 12/9/1963

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, }
County of Richland, }

ss. 285678

Filed this 9 day of

dec. A. D. 19 63

at 3:16 o'clock P. M.

E. L. Hooper
County Recorder

D. Sullivan
Deputy

fee: \$ 2 00
filed

File No.

T. 26^N R. 30^E

DUPLICATE

County

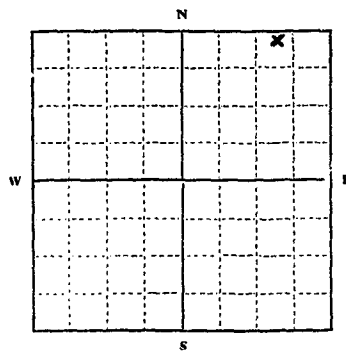
STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. DAVID J. IVERSEN, of DORE N. DAK
 (Name of Appropriator) (Address) (Town)
 County of RISBLAND State of MONTANA
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 33 T. 26 R. 30

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
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955 Continuous since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal 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
8. The depth of water table 110
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" casing
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 none
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner David J. Iversen
 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.

STATE OF MONTANA, } ss. 286442
County of Richland,

Filed this 31 day of
December A. D. 1963

at 10:42 o'clock P.M.

E. F. Kooker
County Recorder

E. Cook
Deputy

fee \$2.00
filed

File No.

T. 26 N. R. 58 E

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1963

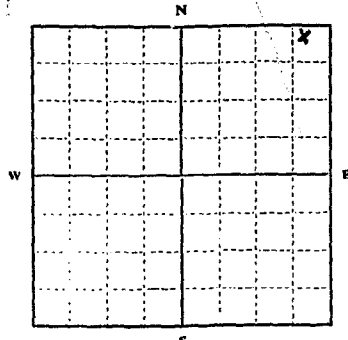
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

DAVID J. IVERSEIN, DORE, N. DAK

(Name of Appropriator) of (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:



NE 1/4 Sec 33 T26 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. Household
LIVE STOCK

3. Date or approximate date of earliest beneficial use, and how continuous the use has been. CONTINUOUS SINCE 1944

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 50 gal. 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.

8. The depth of water table. 66 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 casing

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. none

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

Signature of Owner David J. Iversen
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.

STATE OF MONTANA,)
County of Richland, } ss. 286440

Filed this 31 day of

December A. D. 19 63

at 10:40 o'clock P.M.

E. S. Kasker
County Recorder

E. Kasker
Deputy

fee 82.00
filed

RECEIVED

T. 26N R. 59E 18

County

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

WATER WELL LOG

Grid table with 4 rows and 3 columns.

Owner: [Handwritten Name] Address: [Handwritten Address]

Driller: [Handwritten Name] Address: [Handwritten Address]

Date Started: [Handwritten Date] Date Completed: [Handwritten Date]

Location: Sec. [Handwritten] T. [Handwritten] R. 59 1/4 sec. [Handwritten]

Type of well: [Handwritten] Equipment used: [Handwritten]

Water use: Domestic [X] Municipal [] Stock [] Irrigation [] Industrial [] Drainage [] Other: []

Casing: [Handwritten] ft. to [Handwritten] ft. Type: [Handwritten] Size: [Handwritten]

Casing: [] ft. to [] ft. Type: [] Size: []

Casing: [] ft. to [] ft. Type: [] Size: []

Perforated or Screened: Ft. [Handwritten] to ft. [Handwritten] Ft. [Handwritten] to ft. [Handwritten]

Type of screen or perforations: [Handwritten]

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

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

Pumping water level: [] feet at [] gal. per min. []

How tested: [Handwritten]

Length of test: [Handwritten]

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

[Handwritten notes and lines]

(over)

RECEIVED
MAY 20 1958

T. 20N R. 59E 18
County Butte

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Charles Hickey Address: W. Charleston
 Driller: Tracy Smith Address: 2201 S.E. 2nd
 Date Started: Jan 6 Date Completed: Jan 10-58
 Location: Sec. 18 T. 20 R. 59 1/4 sec. W. 1/4 of N.E.

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

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

Casing: 161 ft. to _____ ft. Type: O.P. Size: 6 inch

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

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

Perforated or Screened: Ft. 10 to ft. 105 Ft. 115 to ft. _____

Type of screen or perforations: 4 inch 1/2

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

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

Pumping water level: _____ feet at _____ gal. per min. 4

How tested: Sealing

Length of test: 2 hours

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

(over)

File No. _____

T. 26 N. R. 59 E

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

R

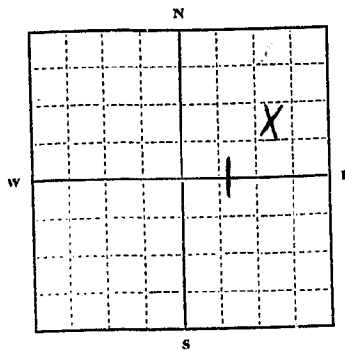
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Einar Anderson, of Notley
(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:



NE $\frac{1}{4}$ Sec. 22 T. 26 R. 59

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 1960 nov.
365 days a year

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

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 30 ft. from house
by electric motor and
pressure pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater nov. 1960

8. The depth of water table _____

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater bored or dug 18" x 15" steel casing
36 ft. deep.

10. The estimated amount of groundwater withdrawn each year 36500 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 _____

Signature of Owner Einar Anderson

Date Jan. 2, 1964

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

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

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

30095

286801

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

Filed this 2 day of
January A. D. 1967

at 9:30 o'clock A. M.
C. L. Hooper
County Clerk

Helen Gerke
Deputy

Fee \$2.00
filed

CV

File No.

DUPLICATE

Location

RECEIVED
MAY 20 1964

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

T 26 R 59 F

County *Richland*

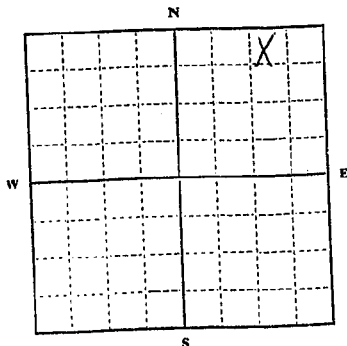
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. *Einar Anderson*, of *Nohly*,
(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 NE Sec. 22 T 26 R. 59

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 & stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1917 at all times as it is a flowing well

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

FW None

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

Free flowing

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
In fall of 1917

8. The depth of water table *850 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 1/2 in piping first 250 ft. 1 in remainder to 600 ft.

10. The estimated amount of groundwater withdrawn each year

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

not available

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

Signature of Owner *Einar Anderson*

Date *Jan. 2, 1964*

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

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

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

30094

286800

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

Filed this 2 day of
January A. D. 1964
at 9:37 o'clock P. M.
C. J. Hooper
County Recorder
Allen Dierke
Deputy

Jan 22 1964
filed

T. 26 R 59 S. 23
 County Richland

File No.

DUPLICATE

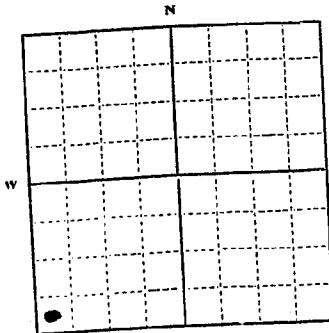
STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

RECORDED
 JAN 10 1964
 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Nick Cayko of Nohly 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:



160 Sec 23 T 26 R 59

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.
Continuous since 1943
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1943

8. The depth of water table
21' from surface of ground

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 driven with 1 1/2" pipe to 21' depth

10. The estimated amount of groundwater withdrawn each year
16,000 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 Nick Cayko
 Date December 27, 1963

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

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

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

29419