

85514

MISSOURI STATE

RECEIVED

CLERK OF COURT

CLERK OF COURT

CLERK OF COURT

CLERK OF COURT

FILED
at 11:00 o'clock P.M.
DEC 30 1963
William J. Hunter
County Clerk
James C. Sullivan
Deputy
Fee 1.00

File No. _____

T. 28^N R. 53^E S. 28

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER JUN 2 1965

Top of Ground
(Elev. above sea level) 2400 app.

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0-3 Top Soil
3-10 Brown shale
10-50 yellow sand
50-60 Brown sand
60-90 Blue clay
90-100 Brown sand
100-115 Blue sand
115-136 Blue sand & clay

Owner NATHANIEL STICKEL FALLON, MONT Address _____

Driller JOHNSON WATERWELL Address TERRY, MONT

Date of Notice of Appropriation of Groundwater _____

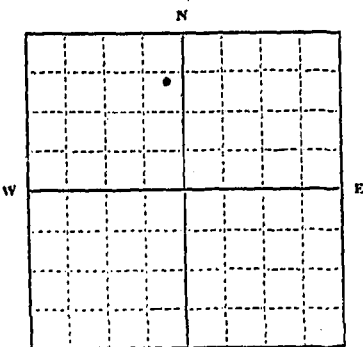
Date well started May 24, '65 Date Completed May 27, 1965

Type of well drilled Equipment Used Spudder
(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)
5 5/8"	4" I.D. 9 1/2 #/ft	0	136	3/8"	90'	115'



NW 1/4 Sec. 28 T. 12 N. R. 53 E

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 90 feet.

Shut-in Pressure for Flowing Well NA

Pumping Water Level 10.5 feet at 4 gal. per minute.

Discharge in gal. per min. of flowing well NA

How Tested bailer Length of Test 1 hr.

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

22
Driller's License Number
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.

39173

87094

FILED	
at <u>1:50</u> o'clock <u>P.</u> M.	
<u>W. N. - 1</u> 1965	
<u>E. H. Hester</u> County Clerk	
Fee <u>202 Pd.</u>	Deputy

CV.

Approved Stock Form—State Publishing Co., Helena, Montana—42254

File No. _____

DUPLICATE

T

County

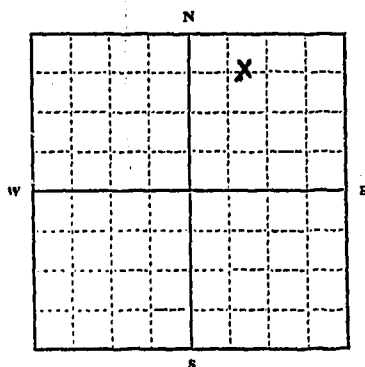
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 8 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Harold J. Meidinger, of Fallon
(Name of Appropriator) (Address) (Town)
County of Praine State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 35 T. 12 R. 23

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 - Stock watering

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. November 1961 - Continuous

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

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

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

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

8. The depth of water table. 92 feet

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

Drilled - 0-24' - 6 inch - 24' - 100' - 24 in casing

10. The estimated amount of groundwater withdrawn each year. 1,095,000 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.

None

Signature of Owner

Harold J. Meidinger
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.

24951

85610

FILED
at 5:00 o'clock P. M.
DEC 31 1963
[Signature]
County Clerk
Deputy
Fee 2⁰⁰ 10

81753

36

T. 12 R. 53

County Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

RECEIVED
JAN 20 1961

STATE ENGINEER

Owner: Emanuel Heidinger Address: Fallon, Montana

Driller: Ira G. Boyd Address: Terry, Montana

Date Started: July 11, 1959 Date Completed: July 15,

Location: Sec. 36 T. 12 R. 53 1/4 sec. N4 of the N4

Type of well: Drilled Equipment used: Cable Tool
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐Industrial ☐ Drainage ☐ Other: _____

Casing: 0 ft. to 130 ft. Type: steel Size: 4 inch

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

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

Perforated or Screened: Ft. 55 to ft. 61 Ft. 88 to ft. 92

Type of screen or perforations: 5/16 holes at three in. apart with the torch

Static Water level, for non-flowing well: 50 feet.

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

Pumping water level: 122 feet at 24 gal. per min.

How tested: with bailer

Length of test: one hour

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

Hole was dry below 130 ft.

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	1	Top soil
1	48	Yellow Clay
48	55	Gumbo
55	60	Sandstone water seep
60	72	Gumbo
72	76	Black Gumbo
76	89	Grey Gumbo
89	91	Water sand with water seep
91	120	Gumbo
120	124	Sandstone seep of water
Rest is dry		
124	134	Gumbo
134	139	Coal
139	153	Gumbo
153	158	Sand
158	164	Coal
164	168	Gumbo
168	176	Sand stone
176	198	Gumbo
198	200	Peck
200	208	Gumbo

80356

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STATE ENGINEER

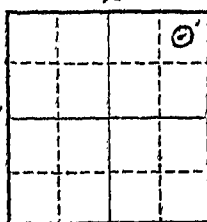
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 12 R. 53

36

County... Prairie

WATER WELL LOG

Owner... Manuel Heidinger Address... Fallon, MontanaDriller... Ira C. Bond Address... Terry, MontanaDate Started... December 4, 1959 Date Completed... December 8, 1959Location: Sec. 36 T. 12 R. 53 1/4 sec. NE 1/4 of the SE 1/4Type of well... Drilled Equipment used... Cable Tool
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐Industrial ☐ Drainage ☐ Other: _____Casing: 0 ft. to 120 ft. Type... Steel Size 4 inch

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

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

Perforated or Screened: Ft. 52 to ft. 61 Ft. 80 to ft. 82Type of screen or perforations 5/16 holes cut three in. apart with outside meshStatic Water level, for non-flowing well: 54 feet.

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

Pumping water level 186 feet at 5 gal. per min.How tested: With BoilerLength of test two hours

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	1	Popcorn
1	48	yellow clay
48	56	Gumbo
56	60	sandstone 1 gpm
60	72	gumbo
72	76	black Gumbo
76	89	gray Gumbo
89	91	Water Sand 2 gpm
91	120	Gumbo
120	124	Sandstone 1 gpm
124	134	gumbo
134	139	coal
139	153	gumbo
153	158	sand - dry
158	164	coal
164	168	gumbo
168	176	sandstone-dry
176	198	gumbo
198	200	rock
200		gumbo
206		total depth

GROUNDWATER INDEX

Page of

County PRAIRIE

Twp. 12 N

Rge. 54E

[illegible]

File No.

T 12^N R 54

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

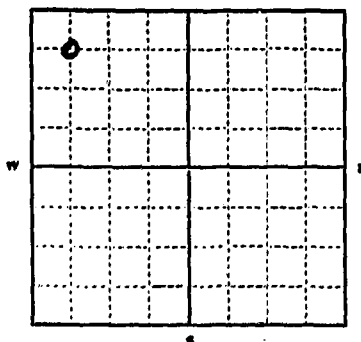
RECEIVED
DEC 16 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Rudolph Ulrich, of Fallon
(Name of Appropriator) (Address) (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 1 T. 12 N. R. 54

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 Watering
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
April - 1944 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
12 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
Artesian self flowing
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Commenced April 1944 - completed April 1944 -
8. The depth of water table
180 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
Drilled, 2 inch casing - 726 ft deep
10. The estimated amount of groundwater withdrawn each year
6,307,200 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

Rudolph Ulrich
Date Dec. 12 - 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.

9395

85307

OFFICE ENGINEER

RECEIVED

FILED	
at 2:15 o'clock P.M.	
DEC 12 1963	
<i>G. V. Hester</i> County Clerk	
Fee \$7.00	County

File No.
DUPLICATE

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

T. 12 R 54
County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

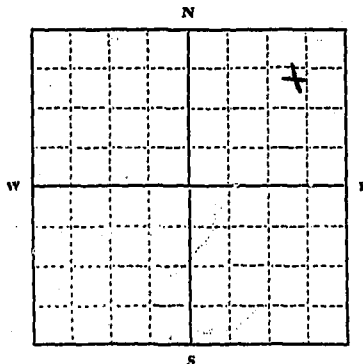
RECEIVED
DEC 23 1963

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Gottlieb Ulrich, of Fallon
(Name of Appropriator) (Address) (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 2 T. 12 R. 54

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 watering & household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1948 - continuous use

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced & completed 1948

8. The depth of water table 200 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled - 2 inch casing - 356 feet deep

10. The estimated amount of groundwater withdrawn each year 912,500 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 Gottlieb Ulrich

Date Dec. 20 - 1963

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

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

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

11863

85399

FILED	
at 3:45 o'clock P.M.	
DEC 20 1963	
<i>Ellen J. Hunter</i>	
County Clerk	
Deputy	
Fee 2.00	

MONTANA STATE DEPARTMENT OF HEALTH

REPORT OF CHEMICAL ANALYSIS OF WATER

Fallon, Montana

City of Prairie County.....

LAB NO.	MAP LOCATION	SPECIFIC LOCATION	SOURCE
438	T 13N - R-54E, Section 34	Stock Well-- 994 feet deep	Stock Well
439 <i>file</i>	T 12N - R 54E, Section 2	Home well--360 feet deep	Home well

Laboratory No.	438	439			
Collected by	Water Resources Board				
Date Collected	12-2-69	12-2-69			
Date Received	not stated	not stated			
Analysis Reported	12-17-69	12-17-69			

CHEMICAL ANALYSIS

(Milligrams per liter. Divide by 17.1 to convert to grains per gallon.)

Iron (Fe)	0.16	0.01			
Calcium (Ca)	4	4			
Magnesium (Mg)	10	10			
Sodium and Potassium Calc. (Na-K)	332	599			
Carbonate radical (CO ₃)	28	18			
Carbonate radical (HCO ₃)	289	1,537			
Sulfate radical (SO ₄)	102	29			
Chloride (Cl)	37	24			
Fluorine (F)	02.4 2.40	2.64			
Nitrate (NO ₃)	0.00	0			
Total Hardness (as CaCO ₃)	50	50			
Total Dissolved Solids	862	1,590			

December 18, 1969

CHEMICAL ANALYSIS

Two samples of water for mineral analyses have been submitted to the State Department of Health water laboratory by Ronald J. Guse, Groundwater Coordinator, Water Resources Board, Helena, Montana. These samples are described as representing the water of a stock well, 994 feet deep (CW 438) and a home well, 360 feet deep (CW 439) on Cottlieb Wrich property in Prairie County near Fallon, Montana.

Gottlieb Ulrich

The results of our analyses are recorded on the reverse side of this sheet, the figures representing milligrams per liter, which are equivalent to parts per million (parts of materials per million parts of water). Parts per million may be converted to grains per gallon by dividing by 17.1.

The total mineral content of the water from the stock well as determined by the total dissolved solids is 860 milligrams per liter, a content which is moderately high and classifies the water as fair (between 500 and 1,200 milligrams per liter) from the standpoint of drinking. Waters in this class are described as having no distinct taste as a rule. They can usually be recommended for drinking. The water in the house well has a total dissolved solids content of 1,590 milligrams per liter, a content which is high and classifies the water as acceptable (between 1,200 and 2,000 milligrams per liter). Waters in this class are described as possibly having a slight taste. They are drinkable, however, and only a few persons offer objections to them. People using waters under this class report no objectionable harmful effects as a rule.

The water from both wells has a total hardness, calculated as calcium carbonate, of 50 milligrams per liter, or approximately 3 grains per gallon. Such a hardness classifies the water as relatively soft (between 0 and 5 grains per gallon). This hardness will not be noticeable where ordinary soap is used (will lather freely) and scale will not be formed where the water is heated as in a tea kettle or in a steam-raising plant.

The fluoride content of 2.4 milligrams per liter in the stock well and 2.64 in the house well exceeds recommended 1.0 to 1.5 milligrams per liter fluoride limit which prevents dental caries. Excessive fluoride in drinking water supplies may produce objectionable fluorosis (mottling of the teeth) which increases with increasing fluoride contents above 1.5 milligrams per liter.

The bicarbonate content is 1,537 milligrams per liter from the home well. From observations of the properties and effects of waters of known mineral content, it seems safe to assert that waters containing more than 700 milligrams per liter bicarbonate would be distasteful to some people.

This analysis gives information relative to the chemical quality of the water and has no significance so far as the sanitary features are concerned.

MONTANA WATER RESOURCES BOARD

RECEIVED

DEC 19 1969

Respectfully submitted,

A. W. Clarkson

A. W. Clarkson, P.E., Chief
Water Section

Division of Environmental Sanitation

AWC:sdd

Reports to: Ronald Guse, Groundwater Coordinator, Water Resources Board
S. A. Chilian, Jr., M.D., County Health Officer, Terry

File No.

T. 12N R. 54E

DUPLICATE

County Prarie

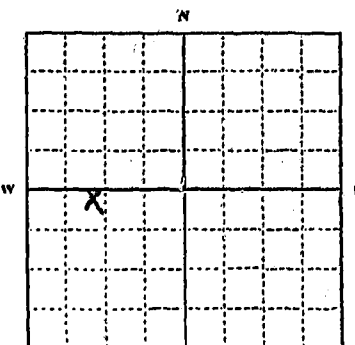
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 30 1963
STATE ENGINEER

1. Wilhelm J. Kaler of Gallatin Montana
(Name of Appropriator) (Address) (Town)
County of Prarie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 4 T. 12 N. R. 54 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 household and stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been about 1900 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 for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric motor and pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater about 1900
8. The depth of water table 140 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 150 ft deep
Drilled - 0' to 100' - 6 inch
100' to 150' - 4 inch
10. The estimated amount of groundwater withdrawn each year 525,600 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
None

Signature of Owner

Wilhelm J. KalerDate 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.

15587

85458

21VIF PCHWEEB

FILED	
at <u>10:55</u> o'clock <u>A</u> .M.	
DEC 27 1963	
<i>E. H. Johnston</i> County Clerk	
Fee <u>200.00</u>	Deputy

41752

4

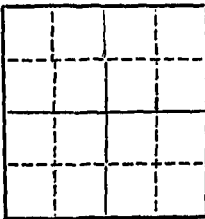
T. 12 R. 54

County Prairie

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, MontanaRECEIVED
JAN 20 1961

WATER WELL LOG

STATE ENGINEER



Owner Bill Kessler Address Fallon, Montana

Driller Ira C. Bond Address Terry, Montana

Date Started Dec. 19, 1959 Date Completed Dec. 22

Location: Sec. 4 T. 12 R. 54 1/4 sec.

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

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

Casing: 0 ft. to 150 ft. Type steel Size 4 in.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 105 to ft. 120 Ft. 140 to ft. 144

Type of screen or perforations 5/16 holes cut three in. apart with cutting torch

Static Water level, for non-flowing well: 100 feet.

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

Pumping water level 140 feet at 5 gal. per min.

How tested: with bailer

Length of test two hours

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

Well was only deepened from 100 ft. to 150 ft. 1/2 ft.

(over)

Log of Well

[illegible]

Gr. 4

Approved Stock Form—State Publishing Co., Helena, Montana—4234

File No. _____

DUPLICATE

T. 12N R. 5E
County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Sa. & Mabel Santher, of 1447 - Raymond Ave. Shubert Calif
(Name of Appropriator) (Address) (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SE 1/4 Sec. 6 T. 2 R. 4

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
1907 - Continuous

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Commenced - Completed 1907

8. The depth of water table 80 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
Hand dug - 34 inch casing - 90 feet deep

10. The estimated amount of groundwater withdrawn each year 500,000 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
None

Signature of Owner

Sa. & Mabel Santher
Just M. Kuran, Pres. Party.
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.

24911

Q

RECEIVED

85570

FILED	
at <u>2:20</u> o'clock <u>P.</u> M.	
DEC 3 1 1963	
<u>[Signature]</u>	County Clerk
<u>[Signature]</u>	Deputy
Fee <u>2.00</u>	

STATE WATER CONSERVATION BOARD
File No. _____

DUPLICATE JAN 1 1965

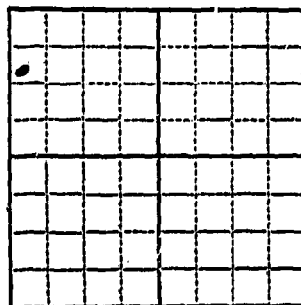
T. 12 N R. 54 E
County _____

Billie _____ McDermott _____
Butzrein _____ McNulty _____
Coyle _____ Morton _____
Dunham _____ Sullivan _____
Dietrich _____
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 23, Montana Session Laws, 1961)

1. Ambrose W. Sweeney of 508 N. Cottage Grove, Miles City Montana
(Name of Appropriator) (Address) (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sls. 1258 m.
1/4 Sec. 6 T. 12 R. 54

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
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been 1915 Continually
4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 50 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
5 acres of vegetables, grain and tree.
Ambrose W. Sweeney and George Sweeney
Helen Mc Garty
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 othe. works for with-
drawal of groundwater 1-15 completed 1-15
8. The depth of water table 165 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 165 ft. 4 inch casing
10. The estimated amount of groundwater withdrawn each year Depends on rainfall
11. The log of formations encountered in the drilling of each well if available Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record not available

Signature of Owner Ambrose W. Sweeney
December 30, 1965
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.

40465

87694

FILED	
at 5:00 o'clock P. M.	
DEC 31 1965	
<i>[Signature]</i>	
County Clerk	
Fee 2.00	Deputy <i>[Signature]</i>

File No. _____

T. 12 R. 54

DUPLICATE

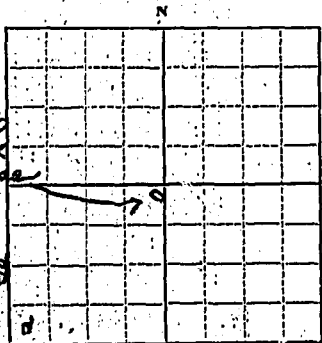
County. Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 16 1963

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

1. Albert or Erna Stickel of P.O. Box 205 Fallon
(Name of Appropriator) (Address) (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 7 T. 12 R. 54

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

2. The beneficial use on which the claim is based. Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Since about 1914; used every day of the year.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) About 2 gallons per minute for 8 hrs. per day or 960 gallons per day for livestock.
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 1 windmill. 1 well without windmill and no pump previously used to irrigate a garden; not used at present time.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. About 1914.
8. The depth of water table. Approximately 100 ft. well, being used. Well not in use approximately 30ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Casing type, 6 in. casing, approx. 100 ft. Casing type, 6 in. casing, approximately 30 ft.
10. The estimated amount of groundwater withdrawn each year. About 356400 gallons per year. None from well not in use.
11. The log of formations encountered in the drilling of each well if available. Log of information 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. Do not know of any.

Signature of Owner

Albert Stickel

Date. December 11, 1963.

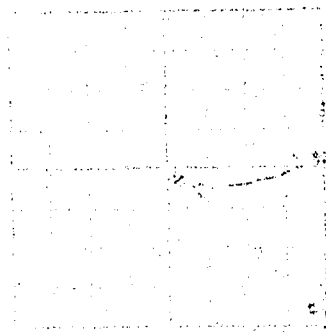
Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

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.

9393

RECEIVED
STATE ENGINEER



38

85305

FILED	
at <u>10:45</u> o'clock <u>A.M.</u>	
DEC 12 1963	
<i>E. M. Johnston</i> County Clerk	
<i>James C. Johnston</i> Deputy	
Fee <u>2.00</u> pd.	

Robert L. Smith

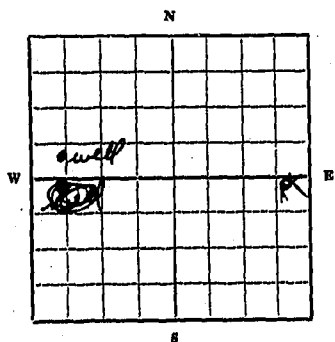
G1

File No.

DUPLICATE

T. 12^N R. 54^E
County PrairieSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERDeclaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)RECEIVED
JAN 6 1964
STATE ENGINEER

1. David Hopper, of Hallon,
(Name of Appropriator) (Address) (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N. W. 1/4 Sec. 8, T. 12, R. 54

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 & cattle
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940
12 mo of the year
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gal a 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 0
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric at home
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 61 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 pipe - 63 ft from top
10. The estimated amount of groundwater withdrawn each year 25000
11. The log of formations encountered in the drilling of each well if available Depth of well 64 ft water rises about 5 ft
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date Dec 26 1963

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

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

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

24861

85518

2116 FUGITIVE

RECEIVED

FILED
at 4:30 o'clock P.M.
DEC 30 1963
E. L. Smith
County Clerk
Deputy
Fee 202 Pd.

File No. _____

STATE WATER CONSERVATION BOARD

T. 12^N R. 34^E S. 8

DUPLICATE

JUN 1 1967

County Prairie

Billie _____ McDermott _____
 Butzera _____ McNulty _____
 Coyle _____ Norton _____
 Darlinton _____ Sullivan _____
 Dickert _____

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level _____)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0'-15' - yellow Sandy Soil
 15'-42' - yellow & dk. brn. shale
 42'-44' - Rock
 44'-60' - Blu. shale
 60'-75' - Very fine sand
 & streaks of shale
 75'-85' - dk. brn. shale
 85'-90' - Rock
 90'-100' - shale
 100'-140' - Blu. Water sand
 140'-151' - streaks of sand
 & shale

Owner _____ Address _____

Driller Jac Johnson Address Terry, Mont.

Date of Notice of Appropriation of Groundwater _____

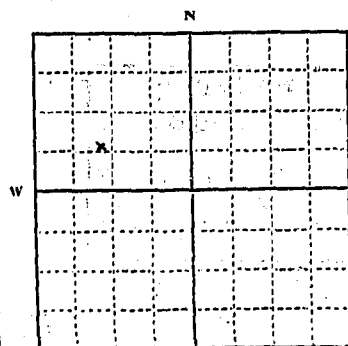
Date well started 11/3/66 Date Completed 11/3/66

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)
5 5/8"	4" I.D. 10" +	top	151'	Holes 3/8"	109'	151'



W 1/4 Sec 8 T. 12 R. 24
 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 100 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 110 feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Air Lift Length of Test 1 hr.

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

acres irrigated, if used for irrigation) one joint

of used Pipe at bottom of well
(4") Installed at owner's request.

154
 Driller's License Number

Jac Johnson
 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.

42,036

1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 26

Definitive

101 101 101

Sept 1944 - 1945

88918

FILED
at 3:30 o'clock P.M.
MAY 31 1967
E. H. H. H. H. County Clerk
E. H. H. H. H. Deputy
Fee 22.00

File No. _____

T. 12 N. R. 54

DUPLICATE

County Beaver

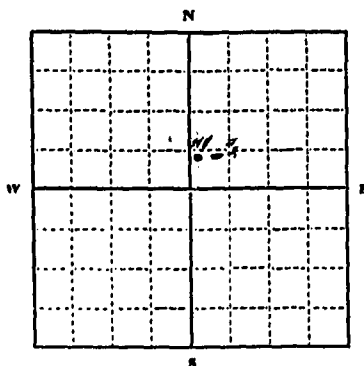
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Adolph Ulrich, of Leary Hollow
(Name of Appropriator) (Address) (Town)
County of Beaver State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 9 T. 12 N. R. 54

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 & home

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1946 - continuous

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1946

8. The depth of water table 20 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 Artesian, 116 ft. - 3 inch casing, #2 - 6 inch well - 10 ft. - 2 inch casing, 20 ft. diameter

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available 73, 219, 200 gals. per year #1

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 Adolph Ulrich

Date Dec. 30, 1963

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

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

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

24871

RECEIVED

STATE ENGINEER

85528

FILED
at 4:35 o'clock P.M.
DEC 30 1963
[Signature] County Clerk
[Signature] Deputy
Fee \$2.00 pd

File No. _____

STATE WATER CONSERVATION BOARD

T. 12 R. 54 10

DUPLICATE

DEC 28 1966

County Prairie

Bore

Elev.

6 in.

Dip

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level _____)

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

(Under Chapter 237, Montana Session Laws, 1961)

0'-15' Topsoil & gravel sand

15'-70' Blue water sand

70'-85' Blue shale

85'-88' Blu Rock

88'-135' Blu shale

135'-140' Coal

140'-370' Shale & streaks
of coal

370'-373' Rock

373'-405' Hard coal

405'-540' Shale & streaks
of coal

540'-544' Hard Rock

544'-760' Shale & streaks
of coal760'-750' 2nd flow sand
& shale

750'-755' Rock

755'-1055' Sandy shale 5 1/8"

1055'-1115' 3rd flow sand
& shale 4 1/2"

1115'-1130' Shale

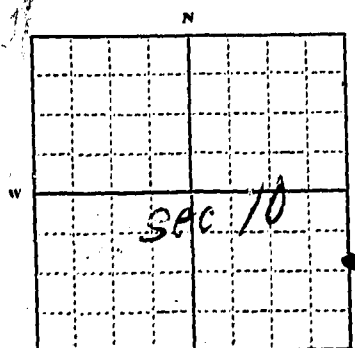
Owner Adolph & Rudy Ulrich Address FallonDriller Joe Johnson Address Terry, Mont

Date of Notice of Appropriation of Groundwater _____

Date well started 12/12/66 Date Completed 12/12/66Type of well Drilled Equipment Used Rotary
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4" I.D.	10" P/F	0'	105'	No 1 1/2"		
2" I.D.	3 1/2" P/F	+ 2'	1130'	Holes 3/8"	775'	1130'



10 P/F 12 R 54

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

Show exact depth of bottom.

1130

Static Water Level for non-flowing Well _____ feet.

Shut-in Pressure for Flowing Well 2.0 # after 5 minutes

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

Discharge in gal. per min. of flowing well 35 g.p.m.How Tested Flow Length of Test 24 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) Packer Set21 900 H & 390 H 14 Sacks of
Cement pumped in.154
Driller's License NumberJoe Johnson
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.

4/12/71

[Faint handwritten notes at bottom of page]

[illegible]

'DELL' EXP - 2000 - 1000 - 1000

1991

[illegible]

153. 94-14

1. The first part of the document is a list of names and addresses, which are arranged in a columnar fashion. The names are written in a cursive script, and the addresses are written in a more formal, printed style. The list includes names such as "John Doe", "Jane Smith", and "Robert Brown", along with their respective addresses.

2. The second part of the document is a series of short, handwritten notes or entries. These notes are written in a cursive script and are arranged in a columnar fashion. The notes appear to be a list of items or a series of observations, but the specific content is difficult to discern due to the cursive script.

3. The third part of the document is a series of short, handwritten notes or entries. These notes are written in a cursive script and are arranged in a columnar fashion. The notes appear to be a list of items or a series of observations, but the specific content is difficult to discern due to the cursive script.

4. The fourth part of the document is a series of short, handwritten notes or entries. These notes are written in a cursive script and are arranged in a columnar fashion. The notes appear to be a list of items or a series of observations, but the specific content is difficult to discern due to the cursive script.

5. The fifth part of the document is a series of short, handwritten notes or entries. These notes are written in a cursive script and are arranged in a columnar fashion. The notes appear to be a list of items or a series of observations, but the specific content is difficult to discern due to the cursive script.

88637

FILED
at 11:15 o'clock A.M.
DEC 27 1966
John J. Baker
County Clerk
2 Baltimore
Deputy
Fee \$2.00

File No.

STATE WATER CONSERVATION BOARD

T. 12 R. 54 12

DUPLICATE

NOV 7 1966

County Prairie

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level _____)

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

(Under Chapter 237, Montana Session Laws, 1961)

0'-10' top soil, sand & gravel

10'-14' Rock

14'-80' Shale

80'-140' Sandy Shale

140'-196' Shale
with streaks
of coal & rock

196'-200' Rock

200'-220' water sand
& streaks of rock

220'-270' Shale

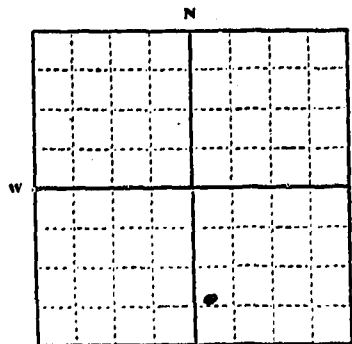
Owner Harold Gaub Address Fallen, Mont.Driller Joe Johnson Address Terry, Mont.

Date of Notice of Appropriation of Groundwater _____

Date well started 9/25/66 Date Completed 10/2/66Type of well Drilled Equipment Used Rotary
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
7 7/8"	6" J.D. 19.15 #/ft	top	196'	No 11 c		
5 7/8"	4" I.D. 10 # #/ft	189'	270'	holes 3/8"	200'	220'



1/4 Sec. 12 T. 12 R. 54
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 135 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 210 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Pump Length of Test 2 hrs.Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) 6" casing
Set on rock. 4" casing has
7' lap with 4" coupling up.
Driller's License Number 154Driller's Signature Joe Johnson

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.

41,588

INTERVIEWED by [illegible]

NOTE: [illegible]

[illegible]

Frank Jackson [illegible]

Jack Smith [illegible]

Continued

Page 11

88438

FILED	
at 11:41 o'clock A.M.	
NOV 1 - 1966	
<i>Allen Johnston</i> County Clerk	
For <i>20 yd.</i>	Deputy

File No. _____

DUPLICATE

T. 12^N R. 5^{4E}County Prarie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

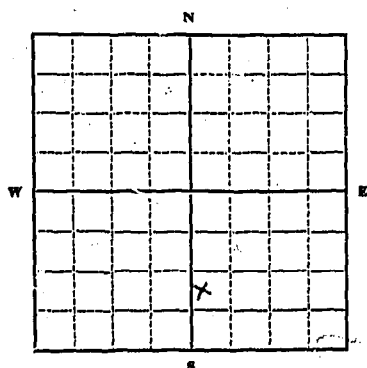
RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Harold A. Laub, of Fallon
(Name of Appropriator) (Address) (Town)
County of Prarie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec 12 T. 12 R. 54

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

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

Stock Water

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

1925 Continuous

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

2 gallons minute

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

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

Pump

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

Commenced & completed about 1925

8. The depth of water table.

120 feet

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

Drilled - 4 inch casing - 125 feet deep

10. The estimated amount of groundwater withdrawn each year.

365,000 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.

None

Signature of Owner

Harold A. Laub
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.

FILED
at 4:00 o'clock P.M.
DEC 31 1963
County Clerk
Deputy
Fee 2.00

File No. _____

T. 12^N R. 54^E

DUPLICATE

County Prairie

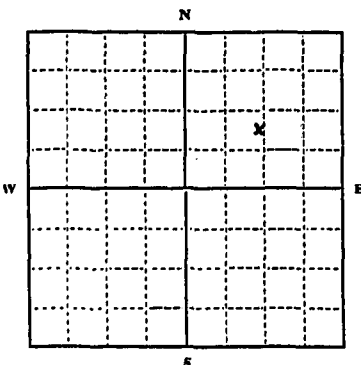
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
 DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Nathaniel L Stickle, of Fallon
 (Name of Appropriator) (Address) (Town)
 County of Prairie State of Montana
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 17 T. 12 R. 54

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 it is used for watering stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been it was drilled approximately in 1902 and has been used for stock

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1902

8. The depth of water table 960

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 pipe and a casing to the top

10. The estimated amount of groundwater withdrawn each year 1,030,000 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 AVAILABLE

Signature of Owner Nathaniel Stickle

Date Dec 30, 1963

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

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

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

15627

85501

FILED
at 11:30 o'clock A.M.
DEC 30 1963
[Signature]
County Clerk
Deputy
Fee 20.00

File No. _____

T. 12 N. R. 54

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

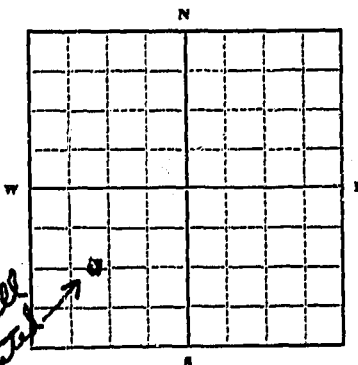
RECEIVED
DEC 16 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Albert or Erna Stickel of P.O. Box 205 Fallon
(Name of Appropriator) (Address) (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



well
located
8 1/4 Sec 19 T. 12 R. 54

8 1/4 Sec 19 T. 12 R. 54

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

2. The beneficial use on which the claim is based livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been About 1920 used during the Spring of each year, Summer of each year, and Fall of each year.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) About 2 gallons per minute for about 5 hours per day.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater About 1920.
8. The depth of water table About 160 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Casing type. 6 inch casing, approximately 160 feet deep.
10. The estimated amount of groundwater withdrawn each year About 162000 Gallons per year.
11. The log of formations encountered in the drilling of each well if available Log of information not available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including references to book and page of any county record do not know of any.

Signature of Owner

Albert Stickel

Date December 11, 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.

9394

RECEIVED
STATE ENGINEER

85306 W&

FILED
at 10:40 clock A.M.
DEC 12 1963
County Clerk
Deputy
Fee \$2.00

Robert H. Taylor

File No.

T. 12 N. R. 54 E.

DUPLICATE

County. Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

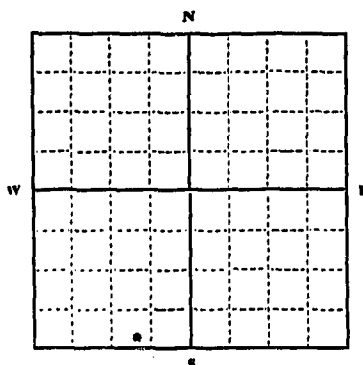
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 23 1963

STATE ENGINEER

1. Isidor Sackman, of Trullon, Montana,
(Name of Appropriator) (Address) (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec 21, T. 12, R. 54

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 livestock3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1922 every day since4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2.0 gal per min

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal with a windmill7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 19228. The depth of water table 120 ft9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater a drilled well with 6 in casing 140 ft deep10. 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

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 Isidor SackmanDate Dec 14, 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.

11856

RECEIVED

9114147

85382

FILED	
at <u>3:10</u> o'clock <u>P.</u> M.	
DEC 19 1963	
<i>William J. Johnston</i> County Clerk	
<i>Flannell Johnston</i> Deputy	
Fee	<u>\$2.00</u> pd.

GW 2

File No.

DUPLICATE

apparently flowing
Flow

121 124
24 54
T. 24 R. 54
County Prairie 24

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER NOV 5 1966

Notice of Completion of Groundwater
Appropriation by Means of Well
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner Leonel Mindinger Address Tarry Mont.

Driller Harvey E. Johnson Address Tarry Mont.

Date of Notice of Appropriation of Groundwater None

Date well started Oct 15 '62 Date Completed Oct 31 '62

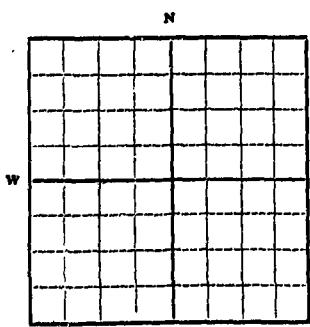
Type of well Drilled Equipment Used Rotary
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

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.

Top of Ground approx
(Elev. above sea level 2400')
0-12 yellow loam
12-40' sand & Rock
40-68 blue shale
68-72 coal
72-180 blue shale
180-183 coal
183-236 clay shale
236-294 clay shale (light)
294-380 clay shale
380-400 blue shale
400-408 Rock
408-480 fine Rock sand
480-585 blue shale
585-596 Rock
596-598 clay shale
598-542 Rock
542-620 clay shale
620-740 clay shale
740-768 blue shale
768-930 light clay shale
930-931 Rock
931-1060 heavy clay shale
1060-1100 intermediate sand & shale
1100-1121 blue shale

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 3/8	4" 11#	0	215	None		
3 3/8	2" 3.75	210	1121	shale 3/8	930	1120



S. 4 1/4 Sec. 12 T. 24 R. 54

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 0 feet.

Shut-in Pressure for Flowing Well 0

Pumping Water Level 1 1/2 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well 1 1/2

How Tested By 7 hr Length of Test 30 min

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)

22
Driller's License Number
Harvey E. Johnson
Driller's Signature

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

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

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

2348

83730

Waterwell Log
Leonard Meidinger
to
The Public

FILED	
at 11:35 o'clock A.M.	
NOV - 21 1962	
County Clerk	
Fee	2.00 pd Deputy

File No.

STATE WATER CONSERVATION BOARD

MAY 23 1966

T 12^N R 54^E S 25

DUPLICATE

County Prairie

Billie _____ McDermott _____
 Butzerin _____ McNulty _____
 Coyle _____ Morton _____
 Darlington _____ Sullivan _____
 Dickert _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level _____)

0-15 — Sand
 15-19 — Gravel
 19-25 — Sand
 25-130 — Shale & coal
 130-155 — blv Shale Sand
 155-185 — blv Shale
 185-190 — Coal & brn. Shale
 190-215 — blv Shale
 215-235 — Sand
 235-250 — Sand & shale
 250-252 — Rock
 252-268 — Shale
 268-269 — Rock
 269-328 — Shale
 328-329 — Rock
 329-380 — Shale
 380-384 — Sand rock
 384-500 — Shale
 500-508 — Rock
 508-550 — Shale
 550-551 — Rock
 551-600 — Shale
 600-608 — Rock
 608-640 — Shale
 640-642 — Coal
 642-745 — Shale
 745-746 — Rock
 746-770 — Shale
 770-771 — Rock
 771-842 — Shale

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Fred J. Sackman Address Fallen, Mont.Driller Jac Johnson Address Terry, Mont.

Date of Notice of Appropriation of Groundwater _____

Date well started 5/11/66 Date Completed 5/12/66

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)
5 7/8"	4" 10.0' 78'	0'	300'			
4 1/2"	2" 10.78' 1141'	300'	875'	Holes	950'	1127'
3 7/8"		875'	1141'	3/8"		

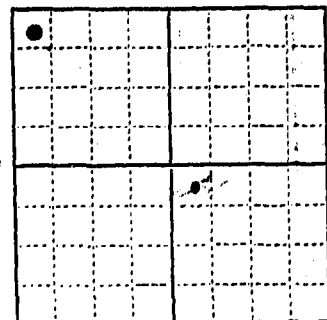
Static Water Level for non-flowing Well _____ feet.

Shut-in Pressure for Flowing Well 3 lbs.

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

Discharge in gal. per min. of flowing well 3 g.p.m.How Tested Flow Length of Test 24 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) 4" PipeReduced To 2" Welded Solid.Packer set at 875' & 600'

NW 1/4 Sec 25 T12 R54
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

842-843 — Rock 1035-1036 — Rock
 843-875 — Shale 1036-1080 — Shale
 875-880 — Rock 1080-1130 — Flow Sand
 880-780 — Shale 1130-1132 — Rock
 780-931 — Rock
 931-1035 — Shale 1132-1149 — Shale

154
 Driller's License Number

Jac Johnson
 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.

41073

88080

Water Well Log
Fred J. Lockman
to
The Public

FILED
at 4:00 o'clock P. M.
MAY 20 1966
E. M. [Signature]
County Clerk
Fee 2.00 [Signature] Deputy.

File No. _____

T. 12 R. 54

DUPLICATE

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

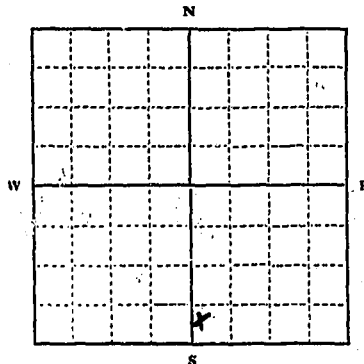
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 6 1964

STATE ENGINEER

1. Christina Ruff, of Leary,
(Name of Appropriator) (Address) (Town)

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



Sec. 14 Sec. 26 T. 12 R. 54
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 & stock

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

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

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

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

8. The depth of water table 80 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled - 6 in. casing - 200 ft.

10. The estimated amount of groundwater withdrawn each year 5,256,000 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

Signature of Owner Christina Ruff

Date 6-12, 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.

24902

1950

FILED
at 2:30 o'clock P. M.
DEC 31 1963
E. H. Shuster
County Clerk
Fee 2.00 Deputy

File No. _____

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—42224

T. 12^N R. 5^{4E}
County Prairie

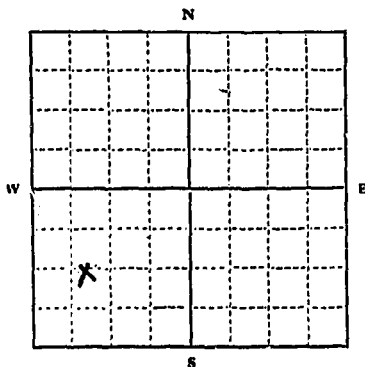
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Albert Lockman, of Fallon,
(Name of Appropriator) (Address) (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW $\frac{1}{4}$ Sec. 27 T. 12 R. 54

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

2. The beneficial use on which the claim is based stock water & household
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1927 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced & completed - 1927
8. The depth of water table 40 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled - 1 1/2 in. casing - 50 feet
10. The estimated amount of groundwater withdrawn each year 226,450 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 None

Signature of Owner Albert Lockman
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.

24958

85618

FILED
at 5:00 o'clock P.M.
DEC 31 1963
County Clerk
Fee 2.00 Deputy

File No. _____

T. 12 N 54 E

DUPLICATE

County Prairie

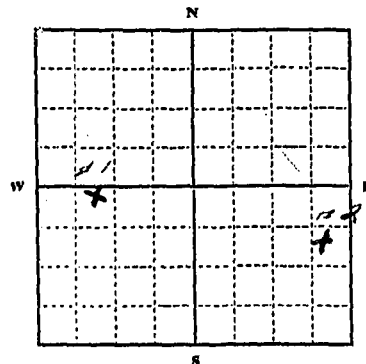
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 8 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ervin Schilling, of Yellow
(Name of Appropriator) (Address) (Town)
County of Prairie State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 28 T. 14 R. 54

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. No. 1 - 1929 - Continuous
No. 2 - 1920 - Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) No. 1 - 2 gallons
No. 2 - 3 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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Hand-dug pump jack

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater continuous
8. The depth of water table No. 1 - 8 ft - No. 2 - 26 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. No. 1 - hand dug - 4 x 4 - 12 ft.
No. 2 - hand dug - 5 ft. - 3-2 ft.
10. The estimated amount of groundwater withdrawn each year. No. 1 - 1,051,300 gal.
No. 2 - 1,576,800 gal.
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Ervin SchillingDate 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.

24906

85565

FILED	
at 2:30	o'clock P.M.
DEC 31 1963	
<i>Edw. J. Hunter</i> County Clerk	
Fee 2.00	Deputy

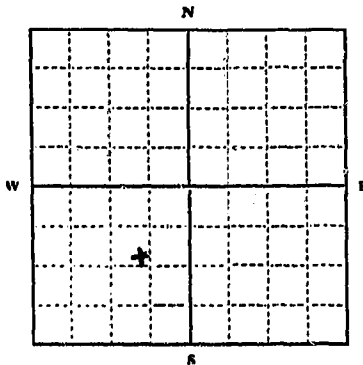
File No. _____

DUPLICATE

T. 12^N R. 5^E
County FlamingSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights JAN 6 1964

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
STATE ENGINEER1. Mrs. Ruth Sackman, of Fallon
(Name of Appropriator) (Address) (Town)
County of Flaming State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:S. 4th Sec. 30 T. 12 R. 5 EIndicate 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 1945 - Continuously
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 gpm.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

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 1945
8. The depth of water table 20 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 20 ft. deep - 36 in casing - 15 in well
10. The estimated amount of groundwater withdrawn each year 525,600 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

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.

24922

85581

FILED	
at <u>4:00</u> o'clock <u>P.</u> M.	
DEC 31 1963	
<i>E. J. [Signature]</i>	
County Clerk	
Fee <u>2.00</u>	Deputy

File No.

STATE CONSERVATION BOARD

T. 12 R. 54 S. 31

DUPLICATE

OCT 25 1966

County Prairie

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

0-15 - Lt. Brn. Topsoil
15-20 Yellow Shale
20-33 Brn. Shale
33-60 Blu Shale
60-75 Coal & Shale
75-102 Gray Shale
102-105 Coal
105-135 DK. Brn. Shale
135-165 DK. Gray Shale
165-210 Sandy Blu Shale
210-212 Rock
212-230 Shale
230-232 Rock
232-360 Shale
360-364 Rock
364-405 Shale
405-425 Sandstone & Shale
425-440 Shale
440-450 Rock
450-470 Shale
470-473 Rock
473-690 Shale
690-700 Sandy Shale
700-815 Shale
815-818 Rock
818-835 Shale
835-840 Rock
840-855 Shale

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Henry Ekman Address

Driller Joe Johnson Address Terry, Mont.

Date of Notice of Appropriation of Groundwater

Date well started 10/10/66 Date Completed 10/19/66

Type of well Drilled Equipment Used Rotary
(dug, driven, bored or (Churn, drill, rotary or
urilled) 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 3/8"	4" I.D. 10 #/ft	0'	285'	NONE		
4 1/2"	3" I.D. 3.6 #/ft	285'	1188'	Holes 3/8"	1008'	1188'

Static Water Level for non-flowing Well feet.

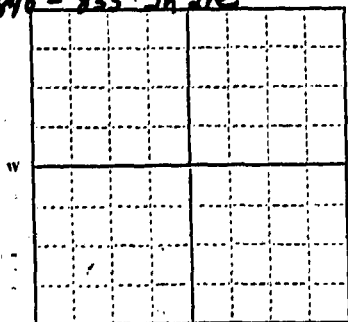
Shut-in Pressure for Flowing Well

Pumping Water Level 200 feet at 1.0 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Air Lift Length of Test 2 hrs.

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



1/4 Sec. 31 T. 12 R. 54
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

855-857 Rock

Show exact depth of bottom.

857-920 Shale
920-1020 Sand & Shale
1020-1050 Shale
1050-1188 Water Sand
Streaks of Shale

Driller's License Number 154

Driller's Signature Joe Johnson

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.

41,553

88403

FILED
at 11:45 o'clock A.M.
OCT 26 1966
E. J. Hunter
County Clerk
Deputy
Fee 2⁰⁰ Pd.

File No. _____

T. 12th R. 54th N. 32

DUPLICATE

County Flaming

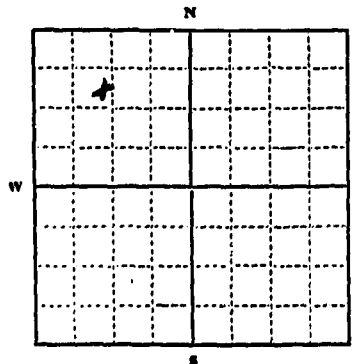
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mr. Ruth Sackman, of Yellow
(Name of Appropriator) (Address) (Town)
County of Flaming State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



See 3rd 17R 53
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: Flaming stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1950
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 gals. 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 Water 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: 80 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 120 ft. deep - 6 in. - drilled.
10. The estimated amount of groundwater withdrawn each year: 5,256,000 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: _____

Signature of Owner Mr. Ruth SackmanDate 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 Quaduplicate for the Appropriator.

24921

85580

FILED	
at 4:00 o'clock P.M.	
DEC 3 1963	
<i>[Signature]</i>	
County Clerk	
Deputy	
Fee 2.00	