



File No. 13000

T. 18 R. 23

DUPLICATE:

County Fergus

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

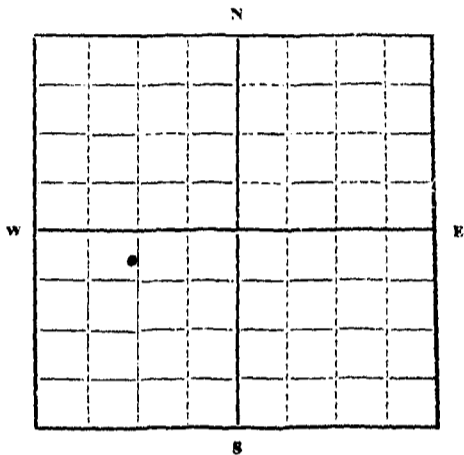
RECEIVED

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Walter M. Kabina, of Ray Montana  
(Name of Appropriator) (Address) (Town)  
County of Fergus State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SW Sec. 4, T. 18, 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. House  
stock and poultry

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1928 every day

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Comm. in 1961, completed in 1960  
all built in this 500 ft of each other

8. The depth of water table. 18 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.  dug by hand one tiered  
with rock two with brick

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 The estimated amount of groundwater withdrawn each year. 75,000 gallons

11. The log of formations encountered in the drilling of each well if available. gravel  
shale and rock etc.

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

Signature of Owner. Walter M. Kabina

Date. Mar 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.

13666

COPY

State of Montana, } ss.  
County of Fergus.

Filed..... MAR 14 1963 ..... 19.....  
at 3:40 o'clock P. M.

*Mary Stethem*  
County Clerk and Recorder

\* 2<sup>00</sup>.pt

File No. 16912

DUPLICATE

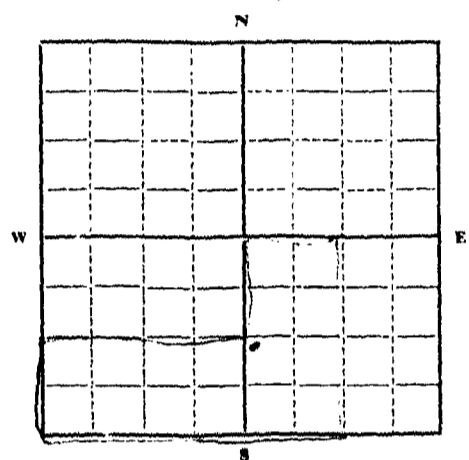
T. 11 R. 23  
County Phillips

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 23 1963

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

1. R. J. Galina, of Deer Mountain,  
(Name of Appropriator) (Address) (Town)  
County of Phillips State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 4 T. 18. R. 23  
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
- Date or approximate date of earliest beneficial use, and how continuous the use has been. 1914 continuous
- The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof ditto
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1914
- The depth of water table 7 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 12 ft deep
- The estimated amount of groundwater withdrawn each year about 100,000 gallons Michaellette
- The log of formations encountered in the drilling of each well if available not available
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner R. J. Galina  
Date 12/13/63

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

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

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

11376

16912

COPY

State of Maryland } ss.  
County of Prince Georges

Filed DEC 18 1963 19  
at 3:35 o'clock P.M.

*Lesly P. Rutter*  
County Clerk and Recorder

*\$ 200-pt*

File No. 12728

T. 18 R. 23

DUPLICATE

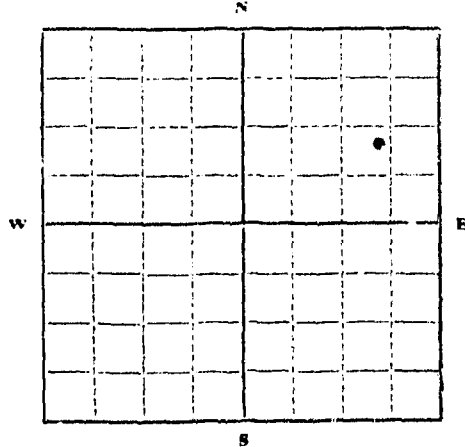
County Fergus

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. Joseph W. Kalina, of 325 - 4th St. Fergus town  
(Name of Appropriator) (Address) (Town)  
County of Fergus State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. E. 1/4 NE Sec. 2 T. 18 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 Stock Water  
Wintering stock at
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Fall of 1936  
wintering stock and wintering stock  
in place of drought
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Pumps (2 pumps in tank)
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. date unknown (approx) took about  
2 weeks to dig and install
8. The depth of water table from 12 to 16 ft (4 ft)
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. well as 6 ft x 16 ft. 16 ft. deep  
16 ft. deep
10. The estimated amount of groundwater withdrawn each year from 120,000 to 150,000
11. The log of formations encountered in the drilling of each well if available. Only known to me as shale
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. there is good size dam  
above this well

Signature of Owner Joseph W. Kalina  
Date Dec 28 1962

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

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

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

12728

COPY

State of Montana, }  
County of Park. } ss.

Filed DEC 28 1962 19  
at 4:00 o'clock P. M.

*Lucy P. Roth*  
County Clerk and Recorder

220-02

File No. 12726

T. 18 R. 23

DUPLICATE

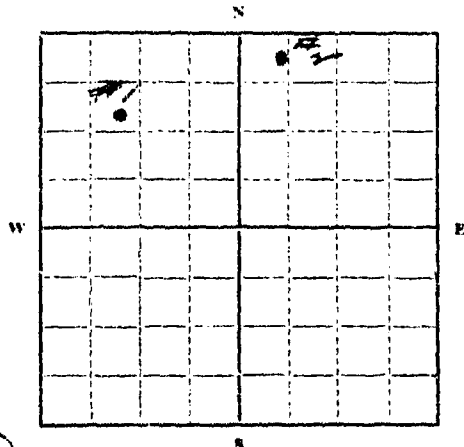
County: Fergus

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Joseph H. Kalina, of 325 1/2 Ave So, Townsend, (Name of Appropriator) (Address) (Town)  
County of Fergus State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



#1 NW 1/4 NW  
#2 NW 1/4 NE Sec. 9 T. 18 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 #2 local water #1 well at ranch head quarters

3. Date or approximate date of earliest beneficial use; and how continuous the use has been #2 since 1961 #1 since 1932

4. The amount of groundwater claimed (in miner's inches or gallons per minute) #2 from 4 to 5 gal #1 from 7 to 8 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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal #2 pump (E. pump on bank) #1 pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater #2 Feb 1961 #1 dug in 1932 / drilled in 1951

8. The depth of water table #1 32 ft to 36 ft (24 ft) to 10 to 14 ft (4 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 #2 2 1/2 in x 14 ft #1 4 1/2 in x 36 ft

10. The estimated amount of groundwater withdrawn each year #1 about 25,000 gal

11. The log of formations encountered in the drilling of each well if available Little sand in top section and only brown ss in a hole

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: J. H. Kalina

Date: Dec 28, 1962

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

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

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

286



12726

COPY

*Handwritten mark*

State of Montana, }  
County ofergus. } ss

DEC 28 1962

Filed \_\_\_\_\_ 19

at 4:00 o'clock P.M.

*May Nettum*  
County Clerk and Recorder

*\$200 net.*

RECEIVED  
STATE ENGINEER

T. 18 N. R. 23 E. 10  
County \_\_\_\_\_

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner: Frank Siroky and Leona Siroky Address: \_\_\_\_\_  
Driller: \_\_\_\_\_ Address: \_\_\_\_\_  
Date Started: \_\_\_\_\_ Date Completed: \_\_\_\_\_  
Location: Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ 1/4 sec. \_\_\_\_\_

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other: \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type: \_\_\_\_\_ Size: \_\_\_\_\_  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: \_\_\_\_\_

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

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

Pumping water level: \_\_\_\_\_ feet at \_\_\_\_\_ gal. per min. \_\_\_\_\_

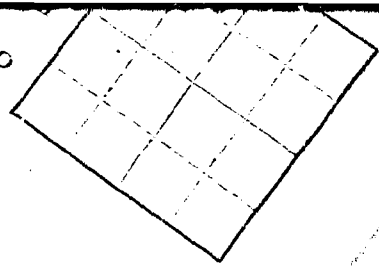
How tested: \_\_\_\_\_

Length of test: 1 hr.

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	8ft	gravel	
8	18	sandsilt	
18	27	sand bed water	
27	40	clay	
40	43	gravel and water 1 gal per minute	
43	81	clay	
81	82	stone little water.	
82	111	brown shale	
111	975	bearpaw shale	
975	978	sandstone	
978	988	red shale and coal	
988	1001	sandstone streaks	
1001	1007	grey shale sand.	
1007	1074	sand streaks and shale	
1074	1090	lite grey shale	
1090	1213	grey shale streaks sandstone	
1213		tested at 1213-12 gallons per minute water good.	
		Livingston estate continued from this depth	
		2088 ft. drilling at \$2.50 per ft.	\$5220.00
		227ft. 7in O.D. surface pipe at \$2.50 per ft.	567.50
		35ft. 5 1/2 in casing at \$2.15 per ft.	752.50
		173ft 4 1/2 in casing at \$1.75 per ft.	3027.75
		Larkin anchor packer	\$131.75
		Baker metal petal basket	689.09
		Total	\$8798.69

2011  
11-24-10

T. \_\_\_\_\_ R. \_\_\_\_\_  
County \_\_\_\_\_

**MONTANA BUREAU OF MINES AND GEOLOGY**  
Butte, Montana

**WATER WELL LOG**


Owner Frank Siroky and Leona Siroky Address Box 100

Driller Bill Siroky Address Box 100

Date Started \_\_\_\_\_ Date Completed 10/15/10

Location: Sec. 10 T. 18 R. 23 1/4 sec. N.W. NE

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

Water use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other: \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations \_\_\_\_\_

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

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

Pumping water level \_\_\_\_\_ feet at \_\_\_\_\_ gal. per min.

How tested: \_\_\_\_\_

Length of test \_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
1215	1215	gray shale, black shale, some calcite, some chert
1215	1220	soft gray sand, some shale with thin layers of calcite and chert
1220	1220	shale, gray sandy clay, hard sand
1220	1225	shale gray sandy clay, chert, some thin coarse sand.
1225	1270	black shale str. sand & calcite, some shells, some gray shale.
1270	1285	shale, sandy streak line, bits of calcite.
1285	1320	black shale, calcite, hard sharp sand.
1320	1340	black shale, calcite, and green shale
1340	1345	black shale, soft gray shale, little sandy clay, str. calcite
1345	1374	black shale, thin gray and green shale, some sandy shale.
1374	1375	black and gray shales.
1375	1500	black and gray shale, petrified str. little shells some bryozoans.
1500	1570	black gray and green shale, shells and a little bryozoans.
1570	1575	black shale and a little gray shale.
1575	1584	black and gray shale and some hard lime sand.
1584	1590	black brittle shale, thin sandy shale with layers of calcite and streaks of tan sandy lime.
1590	1610	sandy shale, str. calcite and some siltstone.
1610	1630	brown sandy shale, thin str. calcite & oyster shells, silty sandstone and siltstone.
1630	1680	black and brown shale, calcite, bryozoans, petrified str. and sponges
1680	1700	black shale, some hard shale, calcite, str. and green shale streaks of sponges and a little sand siltstone.
1700	1770	black shale, gray shale sandy shale, calcite and oyster shells.
1770	1785	gray clay, sandy shale, bryozoans, str. of hard sand.
1785	1800	sandy shale sponges & oyster shells, hard sharp sand and silty sand and siltstone, thin layer petrified shells, hard sharp sand and silty sand and siltstone, thin layer petrified shells.
1800	1830	sandy shale, silty sand, siltstone, thin layer oyster shells sponges
1830	1842	black shale, shells, gr. green shale, thin sand, bryozoans.
1842	1870	shale, sandy shale, chert, sponges, calcite, hard sharp sand, oyster shells, thin green shale and siltstone.
1870	1885	sandy shale, green shale, silt stone, bryozoans and fine hard sand.
1885	1940	black shale, sandy gray shale.
1940	1945	black shale, hard sand, shale, white thin str.
1945	1945	black shale, hard sandy shale sponges and little sandy shale.
1945	1970	black and green shale, sponges, shells, str. siltstone.
1970	1970	shale sandy shale, thin sand, sponges, hard sand.
1970	1970	shale, hard lime sand, thin sand, shale, silty and soft sponges.
1970	1975	shale, sandy shale, green, some str. and thin shell sponges.
1975	2005	hard sand, fine sand, some str. and thin shell clay.
2005	2070	shale, soft and gray clay.
2070	2071	black shale
2071	2071	soft sand
2071	2077	black shale
2077	2080	soft sand

8.20  
 9.00  
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 10

2028

GW 3

File No. ....

T18N R 23E

DUPLICATE

County FERGUS

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground  
(Elev. above sea level 3250...)  
0 - 198' Shale  
198' - 210' Sand  
210' - 840' Shale  
840' - 1785' Shale + Sand  
1785' - 1992' Sand  
1992' - 2052' Stone

Judith River Sand  
from 840' to 1200'

Eagle formation Sand  
from 1785' to 1992'

Owner ROY PETERS Address BOY, MONTANA  
Driller BIG SNOWY DRILLING Address BILLINGS, MONTANA

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

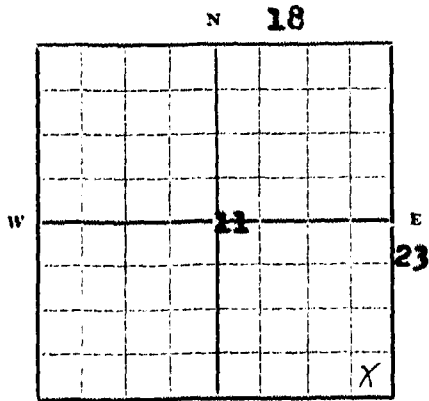
Date well started 2-3-62 Date Completed 2-12-62

Type of well DRILLED Equipment Used ROTARY RIG  
(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)
6-3/4"	4-1/2" 9.5#	0	2052	Slotted	1898	1992



SE 1/4 Sec 11 T18 R23E  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.  
XXXXXXXX  
TOTAL DEPTH \* 2052'

Static Water Level for non-flowing Well.....feet.  
Shut-in Pressure for Flowing Well 40#  
Pumping Water Level.....feet at.....gal. per minute.  
Discharge in gal, per min. of flowing well 60  
How Tested Tank Length of Test 8hrs

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) .....

Ran casing to TD, Ran 62' plain pipe, 92' Perforated Pipe from 1898, 4-1/2", 9.5# casing with 2 Larkin Packers set at 840' and 1785'

67  
Driller's License Number  
BIG SNOWY DRILLING CO  
BY *W. J. Williams*  
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.

1736

8958

COPY

State of Washington }  
County of Ferry } ss

Filed MAR 16 1962 1962  
at 4:00 o'clock P.M.

*May Ruthen*  
County Clerk and Recorder

\$2.00 pd

File No. 17594

T. 18N R. 23E  
County Fergus

DUPLICATE

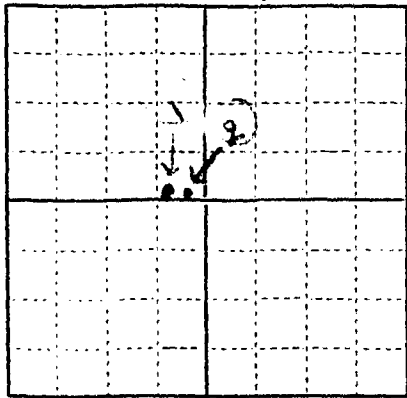
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 3 1964  
STATE ENGINEER

1. I, Ray G. and James S. Horyna, of Hot (Town)  
(Name of Appropriator) (Address)  
County of Fergus State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.E. 1/4 Sec. 19, T. 18N. R. 23E

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 and irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been 1938 used continuously
- The amount of groundwater claimed (in miner's inches or gallons per minute) 16,500 gals. yearly per gal. per acre
- 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 being used for irrigation
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal directly  
withdrawing from 2 wells
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater and 1938 and 1940
- The depth of water table and 12 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 1 1/2" 40 ft. across and 20 ft. deep  
and 2 1/2" 60 ft. across and 25 ft. deep.
- The estimated amount of groundwater withdrawn each year 16,500 gals.
- The log of formations encountered in the drilling of each well if available lands formation  
all the way down.
- 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

Ray G. Horyna  
James S. Horyna  
Date 12/30/63

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

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

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



17594

State of Montana, }  
County of Fergus } ss.

COPY

Filed..... DEC 3 1 1968 19 .....

at 11:30 ..... o'clock A.M.

92<sup>nd</sup> Ed.

MY RATHBUN  
County Clerk and Recorder

File No. **27903**

BOARD

T. **18 N.** R. **23 E.** **20**

NOV 9 1966

County **Fergus**

DUPLICATE

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner **MARVIN BRIBER** Address **ROY, MONTANA**

Digger: **MARVIN BRIBER** Address **ROY, Montana**

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

Date well started **Aug. 10, 1966** Date completed **Oct. 15, 1966**

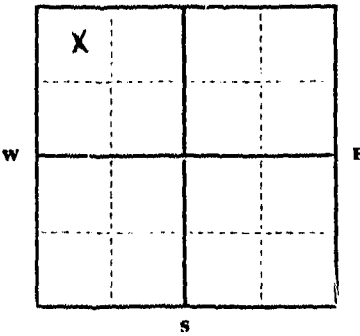
Type of well **Dug** Equipment used **Spade & Pick**  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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)

From surface, dug through about 5 feet of clay, then 3 feet of gravel, then 2 feet of bentonite. Well is 6 feet in diameter, 10 feet deep, and inside is bricked. Covered with automatic pump. Runs about 3 gal. per minute out of pipe installed in side of well about 3 feet from bottom. Pipe comes out into coulee.



Static Water Level for non-flowing well About 7 feet from top of well

Shut-in Pressure for Flowing Well.....  
Pumping Water Level.....5 feet from top at 3 gal. per minute.

Discharge in gal. per min. of flowing well 3 gal. per minute out of side pipe

How Tested **watch & can**  
Length of Test **over 3 weeks**

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

**Ericks at bottom of well packed and placed in without mortar.**

*NW 1/4 NW Sec. 20 T. 18 N. R. 23 E.*  
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).

**house, stockwater, domestic--irrigation of garden plot. Will run into tank for stock.**

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.

Driller's License Number

*Marvin Briber*  
Driller's Signature

41, 592

27903

COPY

State of Indiana }  
County of [unclear] }

Filed NOV 7 1966

at 2:35 o'clock P.M.

Wm. R. [unclear]  
County Clerk and Recorder

82<sup>nd</sup> pt.

File No. 12727

T. R.

DUPLICATE

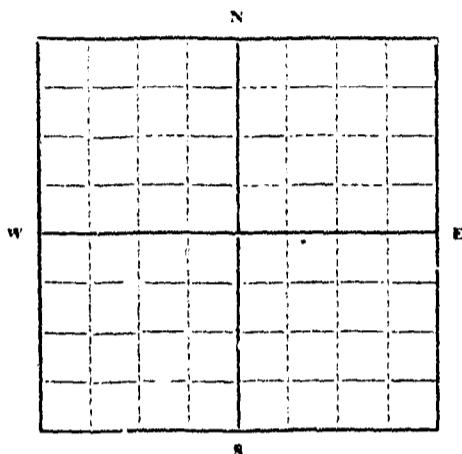
County

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James H. Kalina, of Bozeman,  
(Name of Appropriator) (Address) (Town)  
County of Bozeman State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 22, T. 2 N., R. 23 E.

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 1 1/2 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 Hand pump (to be placed in center of well)

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater started 1/62 - 6/62

8. The depth of water table 100 to 120 ft (WT)

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 pump 2 1/2" dia 10 ft

10. The estimated amount of groundwater withdrawn each year 2000 gal

11. The log of formations encountered in the drilling of each well if available Clay shale to 100 ft depth

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

Signature of Owner James H. Kalina  
Date Dec 28, 1962

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

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

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

12727 COF,

State of Montana, } ss.  
County of Fergus.

Filed DEC 28 1962 19  
at 4:00 o'clock P. M.

*Wray Rothman*  
County Clerk and Recorder

\*20 pr

File No. 12725

T. 18 R. 23

DUPLICATE

County. Fergus

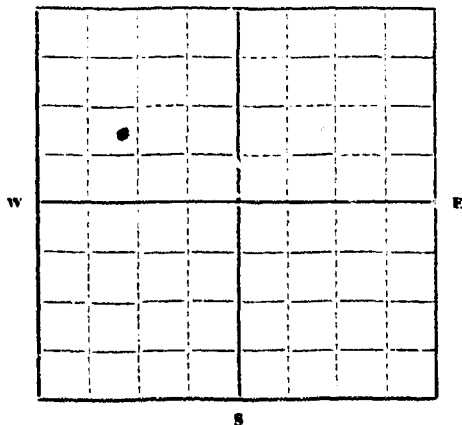
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Joseph W. Kalina of 335-2<sup>nd</sup> Ave So. Lewistown  
(Name of Appropriator) (Address) (Town)

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



SW 1/4 NW Sec 21 T. 18 R. 23

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 on the range in dry years
- Date or approximate date of earliest beneficial use; and how continuous the use has been. First part of July 1961. About 3 or 4 miles through the grass and in the dry of summer
- The amount of groundwater claimed (in miner's inches or gallons per minute). About 1 1/2 to 1 3/4 gpm.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump (to pump in tank).
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Took about 8 days to drill and cover the well. First part of July 1961
- The depth of water table. From 11 ft to 18 ft (7 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. Drilled 24 in (2 ft 10 in) and lined
- The estimated amount of groundwater withdrawn each year. 2000 gal in dry year
- The log of formations encountered in the drilling of each well if available. Only known to me as shale
- 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 Joseph W. Kalina  
Date Dec 22, 1962

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

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

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

12725

COPY

State of Montana, }  
County of Fez is. }

Filed DEC 28 1962 19  
at 4:00 o'clock P. M.

Mary Kathleen  
County Clerk and Recorder

200-ju

GW

Approved State Form - State Publications - Helena, Montana 4224

File No. 17593

T 18 NR 23 E

DUPLICATE

County Fergus

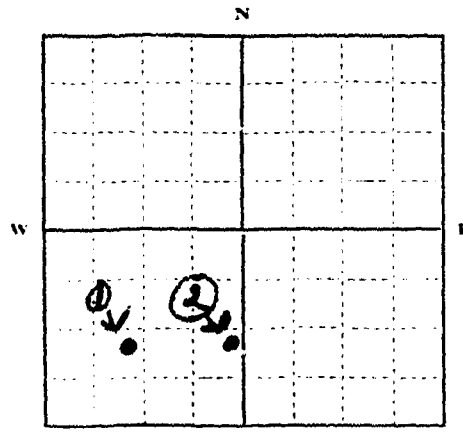
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

R-1  
1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ray G. James J. Haynes of Ray (Name of Appropriator) (Address) (Town)  
County of Fergus State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.E. & S.W.  
N.E. 1/4 S.E. Sec 31, T. 18 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 Livestock watering
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been in 1940 for summer  
water 1945 for summer  
watering
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 4 gal. 2 4 gal
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
not being 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 both  
1 and 2 wells
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater in 1940 1945
- 8. The depth of water table 1 25 ft. 2 180 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 4 ft. across and 30 ft.  
2 7 in. across and 220 dip
- 10. The estimated amount of groundwater withdrawn each year 1 4,000 gal. 2 3,000 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 not known

Signature of Owner: Ray G. Haynes  
Ray G. Haynes  
Date 12/30/63

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

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

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

19054



17593

State of Montana, }  
County of Fergus }

ss. COPY  
DEC 3 1963

Filed..... 19\_\_\_\_  
at 11:30 o'clock A.M.  
# 280. MAY RATHBUN  
County Clerk and Recorder

GW 2

STATE WATER CONSERVATION BOARD

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

File No. **25158**

MAY 2 1966

T. **18N R 23E** 32

DUPLICATE

Billie \_\_\_\_\_ McDermott \_\_\_\_\_  
 Bu. Form \_\_\_\_\_ McNulty \_\_\_\_\_  
 LOG Co. \_\_\_\_\_ Morton \_\_\_\_\_  
 DeWitt \_\_\_\_\_ Sullivan \_\_\_\_\_  
 Dickert \_\_\_\_\_

County **Fergus**

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

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

0 1 Topsoil  
 1 15 Sandy clay  
 15 40 Brown and Black streaks  
 clay  
 40 45 Bentonite  
 45 95 White sandstone  
 Water

Notice of Completion of Groundwater  
 Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

**HORYNA**

Owner **Haryana Bros.** Address **Roy, Montana**

Driller **George O. Singley** Address **Lewistown, Montana**

Date of Notice of appropriation of groundwater **None**

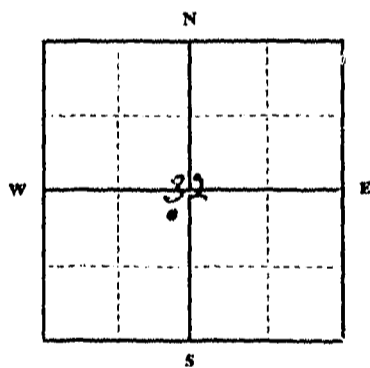
Date well started **March 14, 1966** Date completed **March 14, 1966**

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)
5-5/8"	4 1/2 OD 4 1/2 ID 6.7# Galv.	0 above ground 1'	95 95	4" slots	45	95



Static Water Level for non-flowing well ..... **15** feet.

Shut-in Pressure for Flowing Well ..... **0**

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

Discharge in gal. per min. of flowing well  
 ..... **None**

How Tested **Air and Bailor**

Length of Test **1 hr.**

Remarks: (Gravel packing, cementing, packers, type of shutoff) **Casing sealed at 45'**

NE 1/4 SW Sec 32, T 18N R 23E  
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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.

#19  
 Driller's License Number

*George Singley*  
 Driller's Signature

41019

26158

COPY

State of Montana, } ss.  
County of Fergus }

APR 29 1966

Filed

at

1:15

o'clock P. M.

19

*Wm. R. Nelson*  
County Clerk and Recorder

*W. R. Nelson*

File No. 17591

T 18N R 23E

DUPLICATE

County Fergus

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

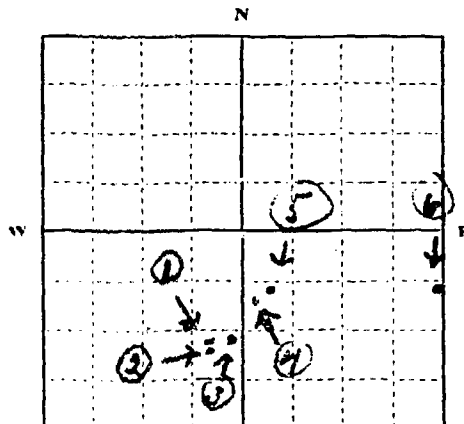
R  
JAN 3 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ray G. Horyna + James J. Horyna of Roy (Name of Appropriator) (Address) (Town)

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



S.E. 1/4  
N.M.S. Sec. 32 T. 18 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 (1) + (2) domestic use + garden (3) irrigation (4) + (5) to irrigate garden + animals (6) water for stock
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been (1) 1950 (2) 1936 (3) 1929 (4) 1939 used continuously
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) (1) 4 gal. (2) 4 gal. (3) 2 gal. (4) 2 gal. (5) 6 gal. (6) 7 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  
S. W. 1/4 N. 1/4 2 acres vegetable garden  
Ray G. Horyna and James J. Horyna  
(1) and (3) wells.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pumps (1) + (3) wells

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater (1) 1950 (2) 1936 (3) 1929 (4) 1939 these are the approximate dates
- 8. The depth of water table (1) 80 ft. (2) 40 ft. (3) 20 ft. (4) 12 ft.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater (1) 4" dia. 220' (2) 4" dia. 160' (3) 4" dia. 100' (4) 4" dia. 100' (5) 4" dia. 25' deep (6) spring 30' across, 10 ft deep.
- 10. The estimated amount of groundwater withdrawn each year (1) 72,000 (2) 60,000 (3) 20,000 (4) 2,000 (5) 130,000 (6) 4,000
- 11. The log of formations encountered in the drilling of each well if available not available
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record no other information in this place.

Ray G. Horyna  
Signature of Owner James J. Horyna  
Date 12/30/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.  
Please answer all questions. If not applicable, so state, otherwise the form will be returned.  
Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator  
19052

17591

State of Montana, }  
County of Fergus } ss.

COPY

Filed..... DEC 31 1963 19 ..  
at 11:30 ..... o'clock A. M.  
# 5 = 2d. MAY RATHBON  
County Clerk and Recorder

GW.

Approved Stock Form - State Publishing Co., Helena, Montana-4224

File No. 17399

T. 18 R. 23

DUPLICATE

County Fergus

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

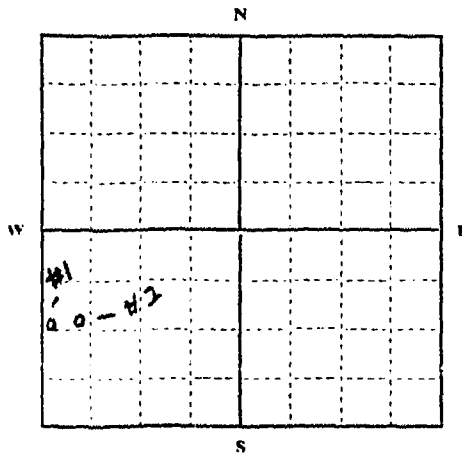
RECEIVED  
JAN 2 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Clarence R. Smith, of Tilt Edge St. Lewistown  
(Name of Appropriator) (Address) (Town)

County of Fergus 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. 33 T. 18 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 \*1 + #  
Stockwater
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1900 continuously since then
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 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  
None
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Spring area
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Spring no well
- 8. The depth of water table 100 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 From flow
- 10. The estimated amount of groundwater withdrawn each year 13,140,000
- 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 Clarence R. Smith  
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.

17325

17399

State of Montana, }  
County of *\_\_\_\_\_* } ss.

**COPY**

DEC 30 1963

Filed \_\_\_\_\_ 19

at 3:55 o'clock P. M.

\$9.00

*P.D.*

MAY RATHBUN  
County Clerk and Recorder





File No. 17456

T. 18N R. 24E

DUPLICATE

County Fergus

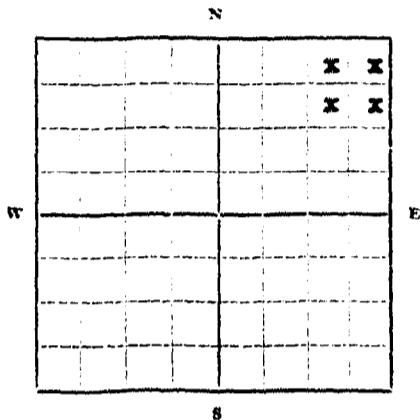
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECORDED  
JAN 3 1967

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

STATE ENGINEER

I, Frank J. Southworth of Roy (Name of Appropriator) (Address) (Town)  
County of Fergus State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



~~1/4~~ Sec. 1 T18N R. 24E  
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 stockwater
- Date or approximate date of earliest beneficial use; and how continuous the use has been 1960. Used continuously since that time.
- The amount of groundwater claimed (in miner's inches or gallons per minute) all flood waters entrapped by dam of 3800 cubic yard capacity
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not applicable
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal flood waters
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1960
- The depth of water table not applicable
- 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 dam impounding 3800 <sup>public</sup> yards capacity
- The estimated amount of groundwater withdrawn each year see above
- The log of formations encountered in the drilling of each well if available not applicable
- 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 applicable

Signature of Owner Frank J. Southworth  
Date December 30, 1963

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

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

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

17456

State of Montana, } ss. **COPY**  
County of Fergus. }  
Filed..... DEC 31 1963 79  
at 8:30 o'clock A. M.  
\$2<sup>00</sup> fl MAY RATHBUN  
County Clerk and Recorder

File No. 17457

T. 16N R. 24E

DUPLICATE

County Fergus

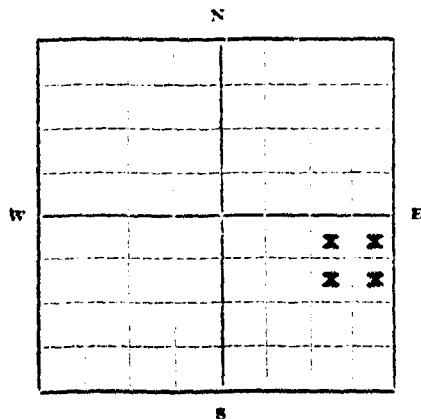
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 5 1964

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

STATE ENGINEER

1. Frank J. Southworth of Roy  
(Name of Appropriator) (Address) (Town)  
County of Fergus State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 1 T. 16N R. 24E

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 stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1958. Used continuously since that time.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) all flood waters entrapped by dam of 4000 cubic yard capacity
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal flood waters
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1958
8. The depth of water table not applicable
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 dam impounding 4000 cubic yard capacity
10. The estimated amount of groundwater withdrawn each year see above
11. The log of formations encountered in the drilling of each well if available not applicable
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 applicable

Signature of Owner Frank J. Southworth

Date December 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.

17457

COPY

State of Montana, }  
County of Fergus } ss.

Filed DEC 31 1963 19  
at 8:30 o'clock A. M.  
#2-12  
MAY RATHBUN  
County Clerk and Recorder

Mr. Frank Southworth, Roy, Montana

May 15, 1964

Dec. 31, 1963

(See Below)

from reservoirs storing floodwaters

Document Numbers

17458	17450
17459	17451
17460	17452
17461	17454
17462	17456
17463	17457

GW 3

8651

File No. ....

T. 18 N. R. 24 East

DUPLICATE

County Fergus

RECEIVED

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater ..... 1946 .....

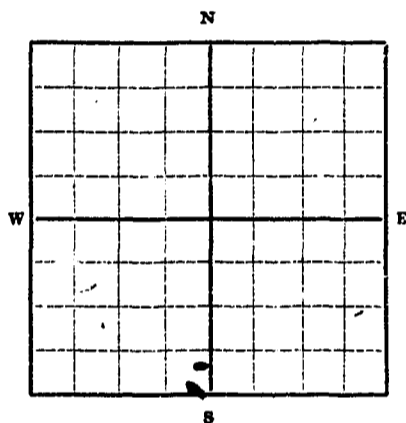
Owner Agnes Bauman ..... Address Roy, Montana .....

Contractor (if any) Hugh Ford .....

Address of Contractor Winifred, Montana .....

Date Started 1946 ..... Date Completed 1946 .....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This water is natural run off into reservoirs . 1 reservoir is 6 feet deep - 1 reservoir is 22 feet deep.



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 .....

..... 1/4 ..... Sec. 11, T. 18 N. R. 24 E.  
Indicate point of appropriation and place of use, if possible.

1 Reservoir holds 20 acre feet of water in a normal year.  
1 Reservoir holds 100 acre feet of water in a normal year.  
These reservoirs are used the whole year when water is available, but due to lack of moisture in 1961 there was not enough water for steady use.

Signature of Owner Agnes Bauman

Date February 17, 1962

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.

1507

8651

COPY

State of Montana, } ss.  
County of Fergus. }

Filed FEB 19 1962 19

at 1:30 o'clock P.M.  
May Rathbun  
County Clerk and Recorder

8200-21

File No. 17450

T. 18N R. 24E

DUPLICATE

County Fergus

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

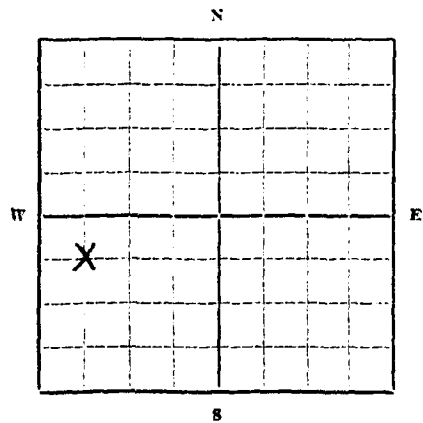
RECEIVED  
JAN 3 1964  
STATE ENGINEER

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

1. Frank J. Southworth of Roy  
(Name of Appropriator) (Address) (Town)

County of Fergus State of Montana

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



1/4 Sec 12 T. 18N R. 24E

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 continuous the use has been 1948. Used Continuously since then

4. The amount of groundwater claimed (in miner's inches or gallons per minute) all. Enough to fill dam holding 6000 cubic yards capacity

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

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

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

8. The depth of water table -0- feet. Surface water. Floodwaters.

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 Dam sufficient in size to impound 6000 cubic yards of water

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

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

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 Frank J. Southworth

Date December 30, 1963

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

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

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



17450

COPY

State of Montana, }  
County of Fergus. } ss.

Filed DEC 31 1963 19  
at 8:30 o'clock A.M.

\$200 *ll* *May Rathner*  
County Clerk and Recorder

File No. 17458

T. 18N R. 24E

DUPLICATE

County. Fergus

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECORDED  
JAN 3 1964

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

1. Frank J. Southworth of Roy (Name of Appropriator) (Address) (Town)

County of Fergus State of Montana

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

X	X				
X	X				

W E

1/4 Sec. 12, T. 18N R. 24E

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 stockwater

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) all flood waters entrapped by dam of 15000 cubic yard capacity

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

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

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

8. The depth of water table not applicable

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 dam impounding 15000 cubic yards capacity

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

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

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 applicable

Signature of Owner Frank J. Southworth

Date December 30, 1963

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

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

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

17458

State of Montana,  
County of Fergus } ss.

**COPY**

Filed DEC 31 1963 19

at 8:30 o'clock A. M.

\$ 2<sup>00</sup> /a

MAY RATHBUN  
County Clerk and Recorder

GW 2

File No. **10539**

DUPLICATE

T. 14 R. 14  
County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)



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

0 - 970 Bearpaw shale  
970 - 1270 Judith River  
1270 - 1780 shale  
1780 - 2090 Eagle  
2090 - 2118 shale

Owner Herald Baunon Address Ray, Mont.  
Driller George F. Astina Address Miles City, Mont.

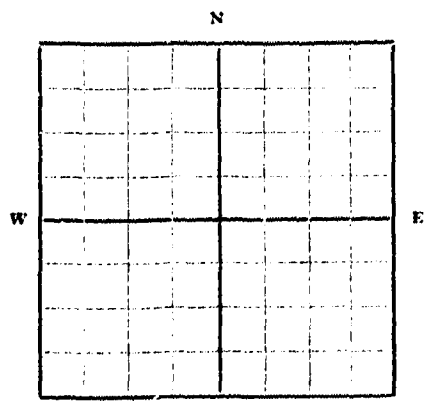
Date of Notice of Appropriation of Groundwater .....  
Date well started July 14, 1962 Date Completed July 24, 1962

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)
7"	15 1/2 lb 5" casing	0	2118	5"	2018	2118



N.W. 1/4 Sec 14 T18 R24  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.  
2118 ft

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

Shut-in Pressure for Flowing Well 50 lb.

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

Discharge in gal. per min. of flowing well 30 g. P.m.

How Tested ..... Length of Test .....

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

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

Cemented with 25 sacks on outside of 5" casing  
18 ft 8" surface casing cemented with 5 sacks cement.

Driller's License Number

George F. Astina  
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.

1876

10539

COPY

State of Montana, } ss.  
County of Fergus, }

Filed JUL 24 1962 19

at 4:50 o'clock P. M.

Wesley R. Kothman  
County Clerk and Recorder

Wesley R. Kothman

GW1

10075

File No. ....

T. .... R. 20E

DUPLICATE

County. Fergus

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

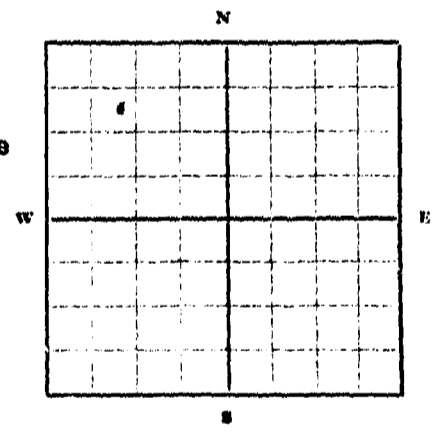
RECORDED

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, Harold W. Bauman and Monte Land, of Roy, Montana,  
(Name of Appropriator) (Address) (Town)  
County of Fergus, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
2. The beneficial use to which water is to be applied is Stock Water and Irrigation  
Sections 11 and 14, Township 18 North, Range 24 East, Montana Meridian,  
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed four hundred gallons per minute
4. The annual period (inclusive dates) of intended use all the year
5. The probable or intended date of first beneficial use July 1st, 1962
6. The probable or intended date of commencement and completion of the well or wells\* Commencement June 1st, 1962, completion July 1st, 1962.
7. The location, type, size and depth of well or wells contemplated drilled well, with five and a half inch casing, depth about two thousand feet,
8. The probable or estimated depth of the water table or artesian aquifer about two thousand feet
9. Name, address and license number of the driller engaged George Askins, of Miles City, Montana, do not have his license number
10. Give such other similar information as may be useful in carrying out the policy of this act. to run the water into a dam to conserve it and also to pipe some into residence



N. W. 1/4 Sec. 14 T 18 R 24.  
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Harold W. Bauman  
Monte Land  
Date June 11th, 1962.

\* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

10075  
COPY

State of Maryland }  
County of Fergus }  
Filed JUN 11 1962  
at 11:45 o'clock A. M.  
Mary Rethman  
County Clerk and Recorder  
\$2.00 pd

GW

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

File No. 17191

T 13 R 24

DUPLICATE

County *Big Horn*

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

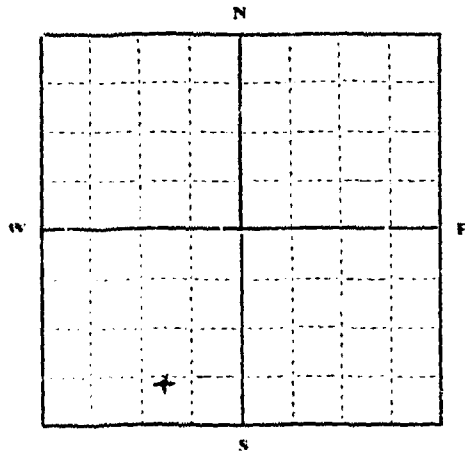
RECEIVED  
JAN 2 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. \_\_\_\_\_ of \_\_\_\_\_  
(Name of Appropriator) (Address) (Town)

County of \_\_\_\_\_ State of \_\_\_\_\_  
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. *Stock water*

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. *1960 used for months of year*

4. The amount of groundwater claimed (in miner's inches or gallons per minute) *20 to 30 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. *None*

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

*F.E.S. Sec. 21 T. 13 R. 24*

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

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

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. *Small well 20 ft casing 17 to 20 inch diameter*

10. The estimated amount of groundwater withdrawn each year. *40720,000*

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 *Louis Adams*

Date *12-30-63*

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

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

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

17132



17191

COPY

State of Michigan  
County of [unclear]

Filed DEC 7 0 1953 19  
at [unclear] Mich.  
Mary Bethune  
County Clerk and Recorder

9202pt.

File No. 17459

T. 18N R. 24E

DUPLICATE

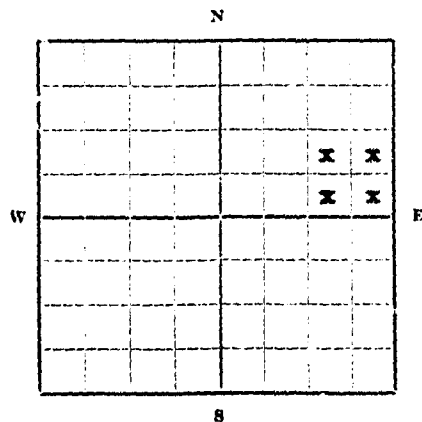
County Fergus

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECORDED  
JAN 9 1964  
STATE ENGINEER

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

1. Frank J. Southworth of Roy  
(Name of Appropriator) (Address) (Town)  
County of Fergus State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE 1/4 Sec. 24 T. 18N R. 24E

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 stockwater
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1960. Used continuously since that time.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) all flood waters entrapped by dam of 7500 cubic yards capacity
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not applicable
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal flood waters
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1960
- 8. The depth of water table not applicable
- 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 dam impounding 7000 cubic yards capacity
- 10. The estimated amount of groundwater withdrawn each year see above
- 11. The log of formations encountered in the drilling of each well if available not applicable
- 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 applicable

Signature of Owner Frank J. Southworth  
Date December 30, 1963

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

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

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

17459

COPY

State of Montana, } ss.  
County of Fergus.

Filed..... DEC 31 1963 TO  
at 8:20 o'clock A. M.

\$2.00/h MAY BATT  
County Clerk and Recorder

File No. 31281

T. 18N R. 24E 30

DUPLICATE

County Fergus

MONTANA WATER RESOURCES BOARD

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED

Top of Ground

(Elev. above sea level SEP 11 1967)

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Lonnie Adams Address Forsyth, Montana

Driller Munson Drilling Address Grass Range, Mont.

Date of Notice of appropriation of groundwater not applicable

Date well started July 10, 1967 Date completed Aug. 9, 1967

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

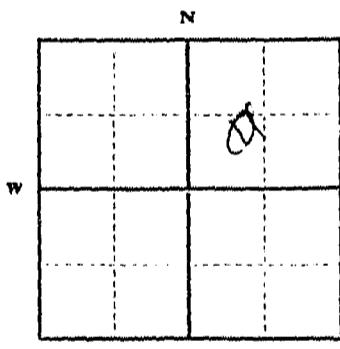
Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other

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.



*See attached copies for log*

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
1 3/4"	8 5/8	0	105	WT 28#/ft.	black	
6 1/2"		105	1600			
	4 1/2 O.D.	0	1600	WT 10.8/ft.	black	
3 7/8"		1600	2240			
	2 3/8 O.D.	1570	2240	J55-4.8/ft.	black	
				regular	2007-2150	



Static Water Level for non-flowing well 83 feet.

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

Pumping Water Level 140-150 feet

at 8 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailing

Length of Test 50 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff) 105 ft. 8 5/8" O.D. casing cemented to bottom

E2NE 1/4 Sec 30 T.18N R. 24E

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

to top - 4 1/2" O.D. casing ran 0-1600' - cemented thro mud pumps 23/8" J55-4.8# 1570 to 2240' perforated 2007 to 2150'

(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.

26

Driller's License Number

*B. M. Munson*

Driller's Signature

42, 293

50455

COPY

State of Montana, }  
County of Fergus. } ss.

Filed. SEP 8 1967 19

at 2:15 o'clock P.M.

*May Rathbone*  
County Clerk and Recorder

*ms 200.100*

90 County  
SEC 12-12-14-R-244  
FINE

LOG of Lonnie Adams WELL

- 0 to 20 Gravel washin
  - 20-100 Cavey silty sand shale
  - 100-892 Shale bentonite fossils (Bear Paw)
  - 892-1200 Sandy bentonite - very thin coal lenses - very little sand-no porosity
  - 1200-1209 Hard lime sand -no porosity
  - 1209-1303 Sand layers- sand and shale strings
  - 1303-1350 bentonitic sand-shale stringers
  - 1350-1411 Sand and Shale layers - good porosity-possible H<sub>2</sub>O
  - 1411-1460 Shale- (top of clagett)
  - 1460-1490 Calcite-limey shale - hard
  - 1490-1500 Shale - lime- hard
  - 1500-1547 Sticky bentonite shale- very sticky 1510-1547
  - 1547-1550 Black- green shales
  - 1550-1578 Sandy shale streaks
  - 1578-1580 Limey streaks of shale
  - 1580-1590 Sandy shale
  - 1590-1600 Limey sand streaks
  - 1600-1623 Bentonitic-dark grey sand-silty-no porosit.
  - 1623-1646 Sandy shale
  - 1646-1734 Silty shales silty sand
  - 1734-1757 Very silty sand
  - 1757-1779 Silty sand and greenish bentonitic clay
  - 1779-1803 Silty sand-stricks of sand
  - 1803-1824 Siltstone-asphalt streaks
  - 1824-1849 Sandy Bentonite and shale
  - 1849-1917 Sandy shale - bentonite streaks
  - 1917-1940 Sandy shale-silty sand streaks
  - 1940-1963 Greyish, silty sand streaks-silty shale
  - 1963-1986 as above and some firm sand streaks
  - 1986-2007 TOP of EAGLE soft grey sand-carboneous specks limey on acid test.
  - 2007-2050 Fairly good sand
  - 2050-2150 good soft greyish sand
  - 2150-2165 Sand becoming more silty-black shale specks
  - 2165-2210 Silty dirty sand- shale specks
  - 2210-2230 Silty dirty sand- clay and shale streaks
  - 2230-2240 Bentonite - shale
- T.D.

Static Water Level @ 83'

Drawdown 140'- 150 @ 8 Gal. / Min.

Overburden -- 0 To 100 -- Possible some Fox Hills  
Bearpaw- Approx. 100 To 892 - Sub Data- Approx. 892'  
Judith River- Approx. 892 To 1411 Sub Data- Approx. 519'  
Claggett----- Approx. 1411 To 1986 Sub Data- Approx. 575'  
Eagle -----Approx. 1986 On-----  
From 2230 To 2240 Bentonite and Black to Greyish Shale  
indicates Colo. Formation.

*M. J. ...*

31

File No. 17190

T. 19 R. 24

DUPLICATE

Courts *Fergus*

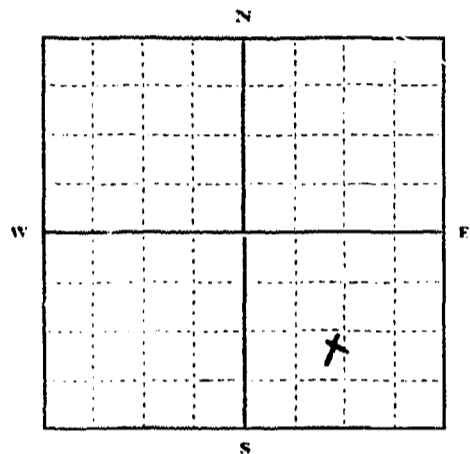
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. *Lonie Adams* of *Fargoth*  
(Name of Appropriator) (Address) (Town)  
County of *Fergus* State of *Montana*  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



*NW 1/4 Sec. 31 T. 19 R. 24*

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 use of stock water*

3. Date or approximate date of earliest beneficial use; and how continuous the use has been *1961 used throughout 66 years*

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof *no*

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *July 1961*

8. The depth of water table *25 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 *Aug well to 25 feet 2 1/2 inch casing to gravel*

10. The estimated amount of groundwater withdrawn each year *90 720.00 gallons*

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

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

Signature of Owner *Lonie Adams*  
Date *12-30-64*

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

17131

17190

COPY

State of Washington  
County of Pierce

Filed DEC 30 1963 19  
at 9:15 o'clock A.M.

*Cathy Kethum*  
County Clerk and Recorder

*202 pt.*



GW

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

File No.

17189

T. R. R. 24

DUPLICATE

County

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED

JAN 2 1963

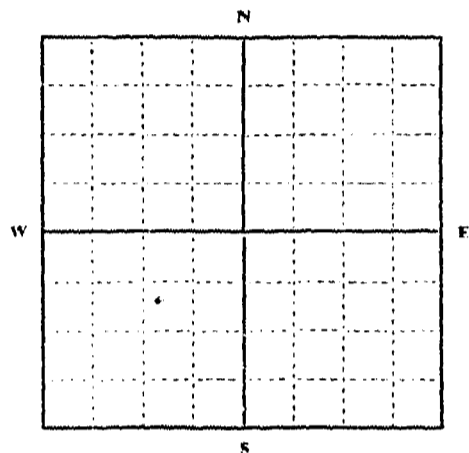
Declaration of Vested Groundwater Rights

STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. \_\_\_\_\_ of \_\_\_\_\_  
(Name of Appropriator) (Address) (Town)

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



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

1/4 E. Sec. 23 T. 18 R. 24

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

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

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 \_\_\_\_\_

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 \_\_\_\_\_

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

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

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

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

Signature of Owner \_\_\_\_\_

Date 12-30-63

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

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

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

17130

17189

COPY

State of Montana,  
County of Park, ss.  
Filed DEC 30 1963 19  
at 9:15 o'clock A.M.  
*Wm. Rathbone*  
County Clerk and Recorder

*200-12*

File No. 17155

T. 18E R. 24E

13

DUPLICATE

County Fergus

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

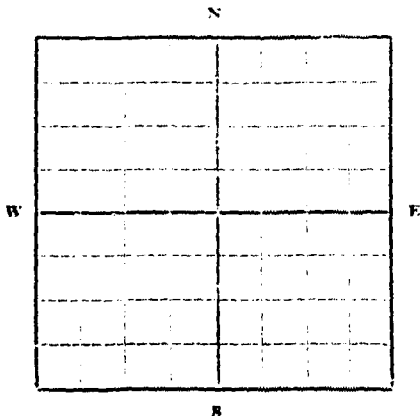
RECEIVED  
JAN 3 1964  
STATE ENGINEER

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

1. Frank J. Southworth of ROY  
(Name of Appropriator) (Address) (Town)

County of Fergus State of Montana

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



1/4 Sec 13 T. R.

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

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

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

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by means of drilled well, which is pumped, and about 25 feet deep

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

8. The depth of water table 20 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 2000 feet deep approximately

10. The estimated amount of groundwater withdrawn each year 100000 gallons per year

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

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

Signature of Owner Frank J. Southworth

Date December 30, 1963

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

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

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

18927

17455

**COPY**

State of Montana, }  
County of Fergus } ss.

Filed..... DEC 31 1963  
at 8:30 o'clock A.M.

✓ 2<sup>nd</sup> **MAY RATHBUN**  
County Clerk and Recorder