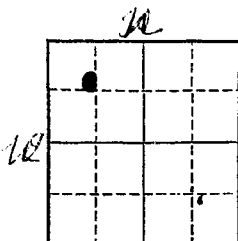


RECEIVED

T. 23 R. 56  
County Richland

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG



Owner Charles A. Prewitt Address Lambert  
Driller Tom Shultz Address Savage Mont.  
Date Started Oct 10 1947 Date Completed 12 Oct 1947  
Location: Sec. 8 T. 23 R. 56 1/4 sec. 21 W. of N. W.

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

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

Casing: 0 ft. to 60 ft. Type Wood Size 2 1/2"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 46 to ft. 66 Ft. to ft.

Type of screen or perforations Bored hole in casing

Static Water level, for non-flowing well: 20 feet.

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

Pumping water level: 57 feet at 5 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

[illegible]

File No. ....

T. 23 N 56 E

DUPLICATE

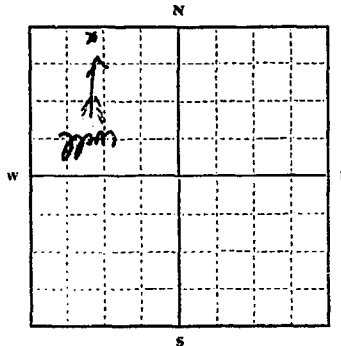
County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



N.W. 1/4 Sec 9 T. 23 R. 56

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. Well for watering cattle
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1930. Used large part of each year
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 gal per. minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Wind mill and gas engine
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1930
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. machine dug well, 24 inch diameter, 30 ft deep
10. The estimated amount of groundwater withdrawn each year. Water for 100 Cows 750,000 gals
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. 2

Signature of Owner

Richard H. HienDate 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.

29880

286587

STATE OF MONTANA, }  
County of Richland, }

Filed this. 31 day of

December A. D. 1963.

at 1:07 o'clock P.M.

E. L. Kooker

County Recorder

E. Cook

Deputy

for \$200  
filed

RECEIVED

T. 23N. 56E 9  
County Richland

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Charles A. Pivert Address Lambert  
Driller Western Drilling Co. Address Indian Lake Mont.  
Date Started Oct 13, 1959 Date Completed Dec 11, 1959  
Location: Sec. 9 T. 23 R. 56 1/4 sec. N.E. N.W.

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

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

Casing: 0 ft. to 430 ft. Type Steel Size 4"  
Casing: 430 ft. to 437 ft. Type - Size 3"  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 432 to ft. 437 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations Steel casing

Static Water level, for non-flowing well: 160 feet.

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

Pumping water level 345 feet at 7 gal. per min.

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

Length of test 7 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	30	Rocky clay	388 - 390 coal
30	40	sand	390 - 399 clay
40	80	blue clay	399 - 402 sand
80	82	coal	402 - 406 clay
82	158	blue clay	406 - 407 coal
158	160	soft rock	407 - 430 clay
160	179	clay	430 - 437 sand
179	182	sand	well water
182	222	clay	
222	226	sandy clay	
226	234	clay	
234	252	sand	
252	254	clay	
254	285	sand	
285	290	coal	
290	291	sand	
291	296	clay	
296	300	sand	
300	310	clay	
310	319	sand	
319	321	clay	
321	323	coal	
323	376	clay	
376	382	coal	
382	388	clay	

265497  
STATE OF  
County of  
Filed this  
185  
J. M.  
G. M.  
County Recorder  
Depot

File No. ....

MONTANA WATER RESOURCES BOARD  
**RECEIVED**

T. 23e R. 56 n

DUPLICATE

County Richland

LOG

AUG 18 1969

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

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

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0- 26 brown sand clay  
water at 27-26 ft  
26- 35 grey shale  
35- 37 coal sand

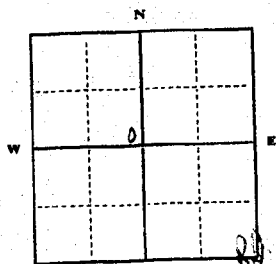
Owner Roberts Bahls Address Lambert, MontanaDriller E.C. Gendron Address Sidney, Montana

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

Date well started 14, June 1969 Date completed 15, June 1969Type of well drilled Equipment used churn  
(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)
8"	4" 11#	00	37	torch slots	22	23 1/2

Static Water Level for non-flowing well 17 feet.

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

Pumping Water Level 25 feet  
at..... gal. per minute.

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

How Tested bailerLength of Test 1 hr

Remarks: ((Gravel packing, cementing, k-ers, type of shutoff).....)

1/4 Sec. 12 T33 R. 55  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

gravel packed top to bottom

(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).

37

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 177Driller's Signature E.C. Gendron

45537

311654

STATE OF MONTANA, ss.  
County of Richland,

Filed this 15 day of

August A. D. 1969

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

Helen Huerfano

County Recorder

Edmundo J. Lopez

Deputy

fee \$2.00



File No. ....

T 23 N 56 E

DUPLICATE

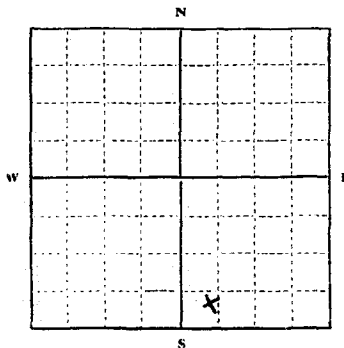
County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Orlo Nevins of Girard Route Sidney  
(Name of Appropriator) (Address) (Town)  
County of Richland State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.E. 1/4 Sec. 13 T. 23 R. 56

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

2. The beneficial use on which the claim is based.....  
Used For Stock Also For House
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....  
1940 Used Daily
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.....  
Piston Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....  
June 1940
8. The depth of water table.....  
52 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.....  
Bored Well 24" curbing 70' deep
10. The estimated amount of groundwater withdrawn each year.....  
100,000 gal.
11. The log of formations encountered in the drilling of each well if available.....  
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 Orlo NevinsDate 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.

2957

STATE OF MONTANA, ) ss 286272  
County of Richland,  
Filed this: 30 day of  
December A.D. 1963.  
at 3:38 P.M.  
6 27 Jasper  
County Clerk  
Heber Drake  
Deputy  
by 200  
filed

File No. ....

DUPLICATE

T. 23 N. R. 56 E

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

OCT 24 1963

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Monsie Lin, Inc. Address Lambert Mont.Driller Albert Anderson Address Med. Lake Mont.Date of Notice of Appropriation of Groundwater Oct 19-63Date well started Oct 9-63 Date Completed Oct 19-63Type 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.

Top of Ground (Elev. above sea level Approx. 2100')

0	
15	clay
17	clay
21 1/2	clay
28 1/2	broken rocks
36 1/2	sand
41 1/2	clay little coal seams
42 1/2	sandy clay & sand
47 1/2	clay
51	coal
53 1/2	clay
57 1/2	sand
60	clay
63 1/2	sand
67 1/2	clay
71 1/2	sand
75 1/2	clay
79 1/2	sand
83 1/2	clay
87 1/2	mostly sand
91 1/2	clay
95 1/2	hard shale rocks
99 1/2	clay
103 1/2	sandstone
107 1/2	mostly clay
111 1/2	coal
115 1/2	mostly clay
119 1/2	coal
123 1/2	clay
127 1/2	clay
131 1/2	clay
135 1/2	clay
139 1/2	clay
143 1/2	clay
147 1/2	clay
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1791 1/2	clay
1795 1/2	clay
1799 1/2	clay
1803 1/2	clay
1807 1/2	clay
1811 1/2	clay
1815 1/2	clay
1819 1/2	clay
1823 1/2	clay
1827 1/2	clay
1831 1/2	clay
1835 1/2	clay
1839 1/2	clay
1843 1/2	clay
1847 1/2	clay
1851 1/2	clay
1855 1/2	clay
1859 1/2	clay
1863 1/2	clay
1867 1/2	clay
1871 1/2	clay
1875 1/2	clay
1879 1/2	clay
1883 1/2	clay
1887 1/2	clay



File No. ....

T. 23 N. R. 56 E.

DUPLICATE

County RICHLAND

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

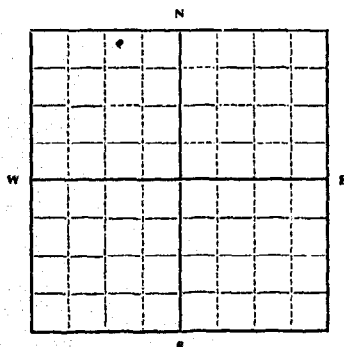
RECEIVED  
DEC 26 1963

## Declaration of Vested Groundwater Rights

STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

MERVIN A. TORGERSO of LAMBERT  
(Name of Appropriator) (Address) (Town)  
County of RICHLAND State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NW Sec. 16, T. 23, R. 56

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  
and Hous. & H.R.D.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been not known

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater not known

8. The depth of water table not known

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 24 inch steel casing about 20 feet deep

10. The estimated amount of groundwater withdrawn each year not 30,000 gallons

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record no other information

Signature of Owner: Mervin TorgersonDate: Dec. 21, 1963

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

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

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

12643

285926

STATE OF MONTANA, } ss.  
County of Richland,

Filed this 23 day of  
December A. D. 19 63  
at 1102 o'clock, P. M.

E. L. Hooker  
County Recorder  
Helen Lierke  
Deputy

Fee \$ 2.00  
Filed

File No. ....

T. 23<sup>rd</sup> 56<sup>th</sup>

DUPLICATE

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 10 1963

STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

January 31, 1963

Date of Appropriation of Groundwater.....

Owner.....George F. Prevost.....Address.....Lambert, Montana.....

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

Address of Contractor .....Not applicable.....

Date Started.....not applicable.....Date Completed.....not applicable.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This is a natural spring with a dam above it.

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. Not less than

nine months a year.

23<sup>rd</sup> 56<sup>th</sup> Sec. 27T. 27R. 56

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

Signature of Owner.....

Date.....

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

STATE OF MONTANA, } ss. 286447  
County of Richland, }

Filed this 31 day of  
December A. D. 1963  
at 10:47 o'clock, P.M.

E. L. Kiehn  
County Recorder

E. L. Kiehn  
Deputy

fee \$2.00  
filed



File No. ....

T. 23<sup>N</sup> R. 56<sup>E</sup>

DUPLICATE

County .....

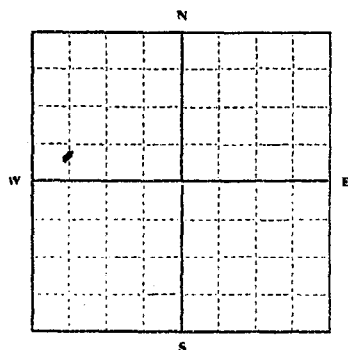
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECORDED  
JAN 10 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



NW Sec. 21 T. 23 R. 56

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 livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov. 1, 1962 Daily
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof I plan on future irrigation from this gravel zone
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal driven into gravel

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 11, 1962 - June 17, 1962

8. The depth of water table 21 feet

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

25 feet of 12 inch casing with 10 feet of 6 inch casing into a gravel bed which is at the 60 foot level.

10. The estimated amount of groundwater withdrawn each year 100,000 gallons

11. The log of formations encountered in the drilling of each well if available 40 feet of sandy loam,

25 feet of clay, 10 feet of 12 inch casing, then 20 feet of gravel.

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

Signature of Owner .....

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.

29744

STATE OF MONTANA, } ss. 786450  
County of Richland,

Filed this 31 day of  
December A. D. 1963  
at 10:50 o'clock P.M.

E. L. Kasher  
County Recorder

E. Cook  
Deputy

See 8200  
filed

File No. ....

T 23 N 56 E 22

DUPLICATE

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

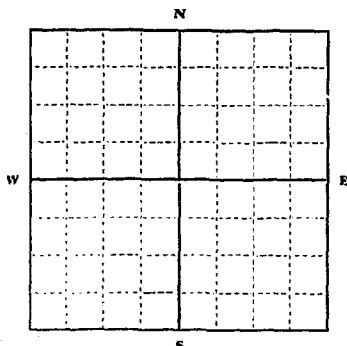
JAN 10 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. George E. (Name of Appropriator), of Bozeman (Address) Bozeman (City)  
County of Grant State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 22 T. 23 R. 56  
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 continu-  
ous the use has been..... I use it from ev. 15 to Jan. 15 of  
each year.
4. The amount of groundwater claimed (in miner's inches or gallons  
per minute)..... 10 gallons
5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
not applicable
6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal.....  
Piston type

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater..... well was dug in 1961
8. The depth of water table..... 10 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater..... 16 inch casing to the depth of 30 feet which is  
in two feet of gravel.
10. The estimated amount of groundwater withdrawn each year..... 100,000 gallons
11. The log of formations encountered in the drilling of each well if available..... 7 feet of clay, 2 feet of  
gravel.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record..... no

Signature of Owner .....

Date .....

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

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

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

29743

STATE OF MONTANA, } ss. 286 449  
County of Richland, }  
Filed this 31 day of  
December A D 19 63  
10:49 o'clock, P.M.  
E. L. Hooker  
County Recorder  
E. Cook  
Deputy

See #200  
Filed

RECEIVED  
FEB 24 1959

T. 23 N R. 56 E

County Richland

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

X		

Owner: Eric L. Prevost Address: Lambert, Montana  
 Driller: Western Drilling Company Address: Medicine Lake, Montana  
 Date Started: October 10, 1958 Date Completed: October 29, 1958  
 Location: Sec. 22 T. 23 R. 56  $\frac{1}{4}$  sec. NW

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

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: Surface ft. to 387 ft. Type: Steel Size: 4"

Casing: 380 ft. to 438 ft. Type: Steel Size: 3"

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

Perforated or Screened: Ft. None to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

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

Static Water level, for non-flowing well: 154 feet.

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

Pumping water level: 220 feet at 5 gal. per min.

How tested: Submersible Pump - set at 314 ft. from 2 to 12 hrs. per day

Length of test: 2 weeks

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

None. The upper undesirable veins were sealed off by reaming for casing to seal.

Installed iron filter to remove iron for domestic use, excellent water.

(over)

# Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	10	Sandy
10	13	Coal Slack
13	26	Clay
26	29	Coal
29	31	Clay
31	33	Sandstone
33	42	Clay
42	47	Sandy
47	90	Clay
90	99	Sandy
99	110	Coal
110	112	Clay
112	116	Sand (Water)
116	122	Clay
122	125	Coal
125	131	Clay
131	134	Sandy
134	160	Clay
160	161	Soft Coal (Deep)
161	170	Clay
170	174	Sandy
174	175	Clay
175	179	Sandy
179	186	Sandy
186	196	Clay
196	199	Sandy
199	208	Clay
208	213	Sandstone (Water)
213	224	Clay
224	225	Soft Rock
225	228	Clay
228	234	Sandstone (Water)
234	255	Clay
255	256	Sandy
256	260	Clay
260	329	Sandstone (Water-heavy Vein)
329	334	Coal
334	336	Clay
336	342	Sand
342	344	Coal
344	350	Sand & Coal
350	354	Soft Coal
354	363	Hard Clay
363	375	Clay
375	383	Clay (Start of brown clay)
383	394	Coal
394	430	Clay
430	436	Sand (Water)

STATE OF MONTANA  
 County of Richland  
 Filed this 25th day of May 1911  
 at 2:35 P.M.  
 C. H. Heston  
 County Register  
 Deputy

261423

Total Solids (est.) 1292  
 hardness - 60 lbs. (approx)

pH 8.3  
 Iron (.26) 2.4  
 Silica (SiO<sub>2</sub>) 0.0

29

T. 23 N R. 56 E  
County Richmond

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Clinton R. Mullin Address STATE ENGINEER  
Driller David Gulbroa Address Sidney, Mont.  
Date Started Sept. 15, 1960 Date Completed Oct. 13, 1960  
Location: Sec. 29 T. 23 R. 56  $\frac{1}{4}$  sec. SW

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

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

Casing: 0 ft. to 170 ft. Type steel Size 6"

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

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

Perforated or Screened: Ft. 130 to ft. 170 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations 3/8 Holes

Static Water level, for non-flowing well: 65 feet.

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

Pumping water level 150 feet at 15 gal. per min.

How tested: Boiler

Length of test: 1 H.R.

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

Gravel packed

(over)

### Log of Well

[illegible]



File No. ....

T. 23 N R 36 E

DUPLICATE

County Richland

JAN 10 1964

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE ENGINEER

## Notice of Completion of Groundwater Appropriation Without Well

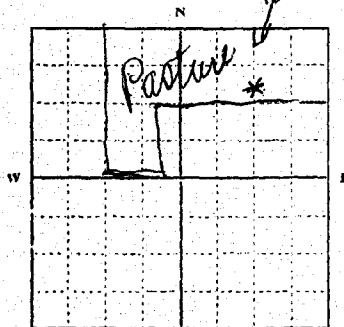
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Before 1920Owner Richard H. Hien Address Lambert Rich Co.Contractor (if any) ?

Address of Contractor

Date Started 1916 Date Completed 1916

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water seeps at base of rise in ground.



N.E. 1/4 Sec. 30 T. 23 N. R. 36 E.

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

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

estimate approximate lengths of periods of use. Water

measured (manually) at pipe running from spring to tank.

750,000 gal. Used through summer months. Normal flow 10 gal per min.

Signature of Owner Richard H. HienDate Dec. 31, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

286590

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

Filed this.....31..... day of  
December A. D. 1963

at.....1:10.....o'clock, P.M.

E. L. Kooker  
County Recorder

E. L. Kooker  
Deputy

for \$200  
filed

County RichlandTwp. 23ARge. 57E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Coon, James	Hw 3	2860420	
1	Coon, James	Hw 3	286293	
1	Coon, James A.	Hw 4	286288	
1	Coon, James A.	Hw 4	286289	
1	Coon, James A.	Hw 4	286290	
2	Coon, James A.	Hw 3	286291	
4	Sawyer, John B.	Hw 4	286016	
4	Sawyer, John B.	Hw 3	286012	
6	Framb, Harold	Hw 4	286953	
6	Framb, Harold	Hw 4	286955	
8	Framb, Harold	Hw 4	286954	
8	Sawyer, John B.	Hw 4	286014	
8	Sawyer, John B.	Hw 4	286015	
8	Sawyer, John B.	Hw 3	286013	
9	Devine, Orla	Hw 3	286270	
9	Sawyer, Marguerite D.	Hw 3	287141	
10	Sawyer, John B.	Hw 4	286017	
11	Putnam, Lester	Hw 2	291522	
11	Putnam, Mrs. Lester	Hw 4	286168	
12	Sasson, Harold	Hw 4	286382	
12	Sasson, Harold	Hw 4	286383	
13	Devine, Orla	Hw 4	286273	
13	Putnam, Mrs. Lester	Hw 3	286166	
14	Sasson, Harold	Hw 2	300702	
14	Sasson, Harold	Hw 4	286384	
17	Putnam, Eugene	Hw 4	286352	
17	Putnam, Eugene	Hw 4	286353	
17	Putnam, Eugene	Hw 4	286350	
18	Putnam, Elva	Hw 4	286354	
19	Devine, Orla	Hw 3	286271	
22	Olsefjell, Lussie	Hw 4	286693	
22	Olsefjell, Lussie	Hw 4	286690	
22	Olsefjell, Lussie	Hw 4	286692	
23	Olsefjell, Lussie	Hw 4	286691	
23	V. H. Beathard	Hw 4	286609	
24	Olsefjell, Matilda Jessy	Hw 4	286550	
24	Putnam, Mrs. Lester	Hw 4	286170	
24	Putnam, Mrs. Lester	Hw 4	286167	
24	Putnam, Mrs. Lester	Hw 4	286169	
24	Thompson, Charles	Hw 4	286775	
24	Thompson, Charles	Hw 4	286776	
24	Thompson, Charles	Hw 4	286777	
25	Coon, James A.	Hw 4	286287	
25	Coon, James A.	Hw 3	286292	
26	Thompson, Charles	Hw 3	286772	
26	Thompson, Charles	Hw 4	286774	

## GROUNDWATER INDEX

Page 2 of 2

County Richland Twp. 23 N Rge. 57 E

[illegible]

T. 23N R. 57E

County Richland

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
NOV 28 1958

WATER WELL LOG

STATE ENGINEER


Owner James Egan Address Sidney

Driller Andy Macko Address Sidney

Date Started 09-27 Date Completed 29-58

Location: Sec. 1 T. 23 R. 57  $\frac{1}{4}$  sec.

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 164 ft. to \_\_\_\_\_ ft. Type O.D. Size 6 inch

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

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

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

Type of screen or perforations Cut with cutting torch

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

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

Pumping water level 20 feet at \_\_\_\_\_ gal. per min. 8

How tested: By Bailig

Length of test Hand

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

(over)

### Log of Well

[illegible]

File No. ....

DUPLICATE

T. 23 R. 57 E.

County. Richland

JAN 10 1964

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

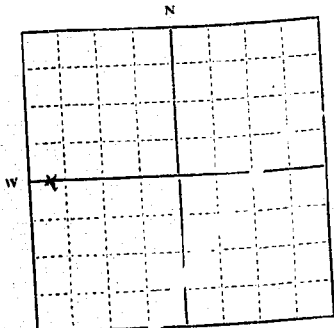
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater. Oct 1961Owner. James P. CronAddress. Sidney, Mont.Contractor (if any) York & Co.Address of Contractor. Sidney, Mont.Date Started. Oct 1961Date Completed. Oct 1961

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. we dug a ditch about  
3 ft. deep, put in a layer of pea  
gravel then 4 ft. of perforated  
4 in. drain tile then covered it with  
pea gravel filled ditch with coarse gravel  
drainage in 15 in. plastic pipe tank

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. every  
fall & winter and every other  
summer



1/4 Sec. 1 T. 23 R. 57

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

Signature of Owner. James P. CronDate. Dec. 31, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

29587

STATE OF MONTANA, } ss. 286293

December 31 day of

8:13 A.M. 1963

E. L. Koffler

John Burke

Deputy

200  
filed



File No. \_\_\_\_\_

T. 23 N. R. 57 E.

DUPLICATE

County Richland

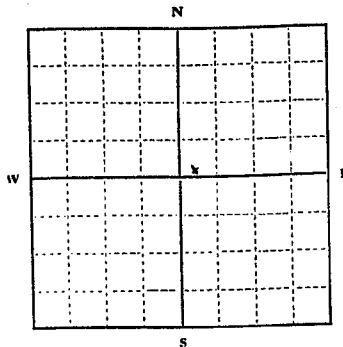
**STATE OF MONTANA**  
**ADMINISTRATOR OF GROUNDWATER CODE**  
**OFFICE OF STATE ENGINEER**

JAN 10 1964

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. James A. Coon, of Richard Rte. Sidney,  
 (Name of Appropriator) (Address) (Town)  
 County of Richland State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 1 T. 23 R. 57

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

2. The beneficial use on which the claim is based livestock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Oct. 1943 everyday
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 pump cylinder

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Oct. 1943
8. The depth of water table about 30 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater about 1 ft diameter 15 ft deep
10. The estimated amount of groundwater withdrawn each year 500,000
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 not available

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.

29582

STATE OF MONTANA, } ss. 286288

31 day of  
December 63

at 8:05 P.M.  
C. L. Koster

Helen Gierke  
Deputy

for 200  
filed

GW

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

File No. ....

T. 23 N. 57 E.  
County Richland

DUPLICATE

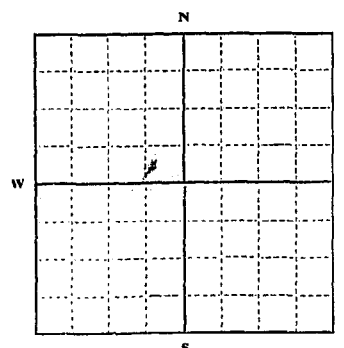
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 10 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



1/4 Sec. 1 T. 23 N. 57 E.

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

2. The beneficial use on which the claim is based livestock water3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept. 17-23 every day4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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 at chander pump7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sept. 17-238. The depth of water table about 30 ft.9. So far as it may be available, the type, size and depth of each well or other works for the withdrawal of groundwater bored 2 ft diameter 50 ft deep10. The estimated amount of groundwater withdrawn each year 500,00011. The log of formations encountered in the drilling of each well if available not available12. 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 availableSignature of Owner James P. Coon  
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.

29583

STATE OF MONTANA, } ss. 286289  
County of Richland,

31 day of  
December A.D. 1962  
8:29 P.M.  
C. L. Harker  
Helen Durke  
Deputy  
Filed

File No. ....

DUPLICATE

T. 23 N. R. 5 E.

County Richland

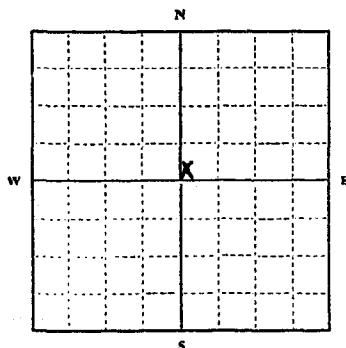
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 10 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James P. Coon, of Grand Pt. Spring,  
(Name of Appropriator) (Address) (Town)  
County of Richland State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 1 T. 23 R. 5 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 livestock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been every day since 1953
4. The amount of groundwater claimed (in miner's inches or gallons per minute) up to 5 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 on under pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Oct. 1963
8. The depth of water table about 40 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 5 1/2 inch casing 135 ft deep
10. The estimated amount of groundwater withdrawn each year 1,000,000
11. The log of formations encountered in the drilling of each well if available shale mostly sandstone
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

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

29584

MONTANA

ss. 286296

31 day of  
December A.D. 1922

8:10 P.M.

C. L. Kasper

Deputy

filed

File No. ....

DUPLICATE

T. 23 N. 57 E.

County: Richland

JAN 10 1964

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

Owner: James C. Coon

Address: Sidney, Mont

Contractor (if any) none

Address of Contractor

Date Started: June 1933

Date Completed: June 1933

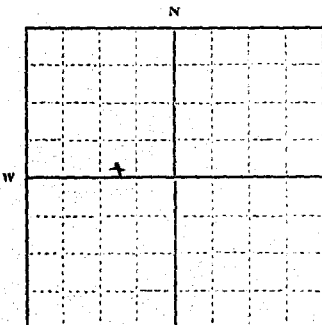
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. dug in perforated drain

tile put pea gravel around tile covered with the water comes out of a small orin affix (about 3 in) is piped to cement stock tank in plastic pipe

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. This is a

small spring about 1 gph per minute is used in spring & summer



5 1/2 of NW 1/4 of Sec. 2 T. 23 R. 57  
Indicate point of appropriation and place of use, if possible.

Signature of Owner: James C. Coon

Date: Dec 31, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

29585

STATE OF MONTANA, } ss 286291  
County of Richland,

December 31 day of  
A.D. 1962

E. L. Hogben

John Burke

Dec 20<sup>00</sup>  
filed



File No. ....

T. 23 R 57

DUPLICATE

County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

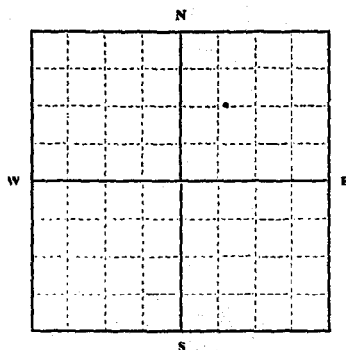
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
DEC 27 1963

STATE ENGINEER

1. John B. Sawyer, of Girard Rte., Sidney, Montana  
(Name of Appropriator) (Address) (Town)  
County of Richland State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



No. 1/4 Sec. 4 T. 23 R. 57

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

2. The beneficial use on which the claim is based.  
Not used at the present time
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.  
Unknown, not used since acquired in 1943
4. The amount of groundwater claimed (in miner's inches or gallons per minute). Unknown
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.  
Not used
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
None
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. 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 6" and 60 feet deep
10. The estimated amount of groundwater withdrawn each year. Unknown, not used
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

John B. SawyerDate December 26, 1963

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

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

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

13714

STATE OF MONTANA } ss. 286016  
County of Richland,

Filed this 26 day of

dec A.D. 1963

3:03 o'clock, P.M.

E. L. Kooker

County Recorder

D. Sullivan

per #200

filed

File No. ....

T. 23 N 57 E 4

DUPLICATE

County Ridgely

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 27 1963

Notice of Completion of Groundwater Appropriation  
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Unknown

Owner John B. Sawyer Address Girard Rte., Sidney  
Montana

Contractor (if any) .....

Address of Contractor .....

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. none

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

estimate approximate lengths of periods of use.....

Used approximately 6 months out of the  
year for feeding of stock

Signature of Owner John B. Sawyer

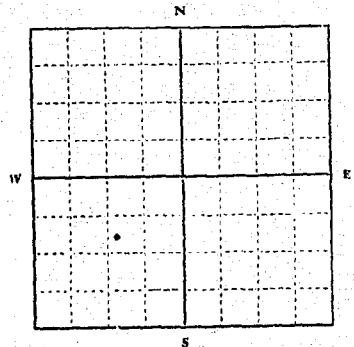
Date December 26, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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



SW 1/4 Sec. 4 T23 R 57

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

STATE OF MONTANA, }  
County of Richland, } ss. 286012

Filed this 26 day of

at 2:55 o'clock, P. M.

E. L. Harker  
County Recorder

S. Sullivan  
Deputy

fee: \$2.00  
filed

T 23  $\nu_R$  57 E

County Richland

10  
11 JAN 10 1964

Sub - ...

\_\_\_\_\_

1. Harold Frans, of Box 229, Sidney  
(Name of Appropriator) (Address) (Town)  
Richland County of Montana State of  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SE 1/4 Sec. 6 T 23 R 57

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

2. The beneficial use on which the claim is based  
**stock water**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **1955 been in use ever since**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **7 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  
**pump jack with electric motor**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. **1955**
8. The depth of water table. **110 feet deep**
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.  
**6 inch steel casing**
10. The estimated amount of groundwater withdrawn each year. **unknown**
11. The log of formations encountered in the drilling of each well if available.  
**log 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.

Harold Franz

Date 12-31-63

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

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

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

Bureau of  
30166

STATE OF MONTANA, } ss. 286953  
County of Richland,

Filed this 6 day of  
Jan A. D. 19 67  
at 2:58 o'clock, P. M.  
E. L. Lasker  
County Recorder  
W. D. Sullivan  
Deputy

fee: \$2.00  
filed

File No. ....

DUPLICATE

T 23 V R 57

County Richland

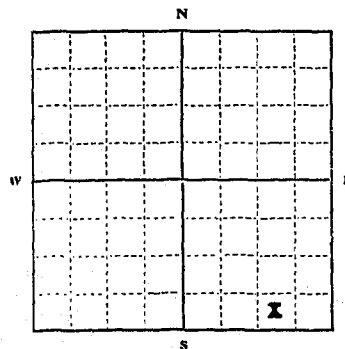
JAN 10 1964

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harold Frans, of Box 229, Sidney, Montana  
(Name of Appropriator) (Address) (Town)  
County of Richland State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 6 T23 R 57

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

2. The beneficial use on which the claim is based.....  
household and garden irrigation

3. Date or approximate date of earliest beneficial use; and how continu-  
ous the use has been..... 1950

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute)..... 6 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  
same description as well -- same owner

6. The means of withdrawing such water from the ground and the loca-  
tion 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 with-  
drawal of groundwater..... 1950

8. The depth of water table..... 80 feet deep

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

10. The estimated amount of groundwater withdrawn each year..... unknown

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

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

Signature of Owner Harold FransDate..... 12-31-63

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

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

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

30168

STATE OF MONTANA, } ss. 286955  
County of Richland, }

Filed this 6 day of

Jan A. D. 19 64

at 2:57 o'clock, P. M.

E. L. Looker

County Recorder

Deputy

fee \$2.00

filed



File No. ....

DUPLICATE

T. 23 N. R. 57 E.

County. Richland

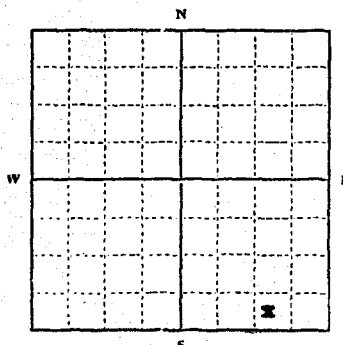
JAN 19 1964

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Harold Frank, of Box 229 Sidney  
(Name of Appropriator) (Address) (Town)  
County of Richland State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 8 T. 23 R. 57

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

2. The beneficial use on which the claim is based.....  
stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....  
1949 and has been used ever since
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....  
7 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.....  
windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....  
1949
8. The depth of water table.....  
110 feet deep
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....  
6 inch steel casing
10. The estimated amount of groundwater withdrawn each year.....  
unknown
11. The log of formations encountered in the drilling of each well if available.....  
not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Signature of Owner

Harold FrankDate 12-31-63

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

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

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

30167

STATE OF MONTANA, } ss. 286954  
County of Richland,

Filed this 6 day of

at 2:52 o'clock P.M. 1914

E. S. Lasher  
County Recorder

D. Sullivan  
Deputy

See 2219  
Filed

File No. ....

T. 23 N. R. 57 E.

DUPLICATE

County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

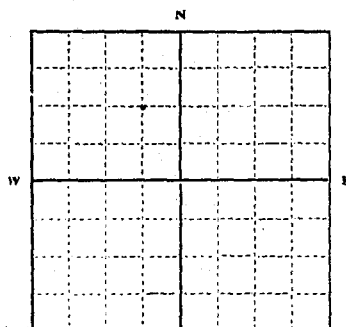
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
DEC 27 1963

STATE ENGINEER

1. John B. Sawyer, of Girard Rte. Sidney, Montana  
(Name of Appropriator) (Address) (Town)

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

N  $\frac{1}{2}$ 

Sec. 8 T. 23 R. 57

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

2. The beneficial use on which the claim is based  
watering stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1942 and continuously to 1963
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  
Not used for the above
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 August 1942
8. The depth of water table 44 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 foot 44 feet deep
10. The estimated amount of groundwater withdrawn each year 164,250 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

John B. SawyerDate December 26, 1963

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

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

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

1371

STATE OF MONTANA, } ss. 286014  
County of Richland, }

Filed this 26 day of Dec

at 3:59 P.M. 1963  
E. L. Kasper  
County Clerk

D. Sullivan

fee: \$2.00  
J. H. H.

File No. ....

T 23 N 57 R

DUPLICATE

County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

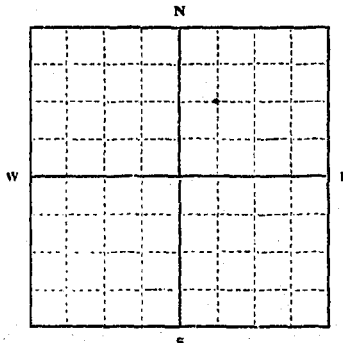
RECEIVED  
DEC 27 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. John B. Sawyer, of Girard Rte. Sidney, Montana  
(Name of Appropriator) (Address) (Town)  
County of Richland State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



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 watering lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. April 12, 1949

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  
Not for the above

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. April 12, 1949

8. The depth of water table. 26 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 24" 33 feet

10. The estimated amount of groundwater withdrawn each year. 164,250 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 John B. Sawyer

Date December 26, 1963

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

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

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

STATE OF MONTANA, } ss. 286015  
County of Richland,

Filed this 26 day of

dec A. D. 1963

at 3:01 o'clock, P. M.

E. L. Karker

County Recorder

at Sullivan

for #210

filed

GW 3

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

File No. ....

T 237 R 57 E 4

DUPLICATE

County Leikluft

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODED  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 27 1963

# Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Unknown

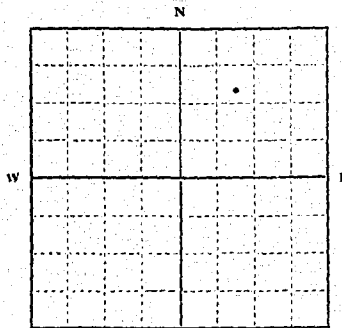
Owner John B. Sawyer Address Girard Rte., Sidney, Montana

Contractor (if any) .....

Address of Contractor .....

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. None



NE 1/4 of Sec. 8 T23 R 57

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use.....

Used approximately 6 months out of the year for watering of stock

Signature of Owner John B. Sawyer

Date December 26, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

STATE OF MONTANA, } ss. 286013  
County of Richland,

Filed this 26 day of

Dec. A. D. 1943

at 2:57 o'clock P. M.

E. L. Kasper  
County Recorder

D. Sullivan

for \$2.00  
J. H. H.



File No. ....

T. 23 N 57 E

DUPLICATE

County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 10 1964

Notice of Completion of Groundwater Appropriation  
Without Well

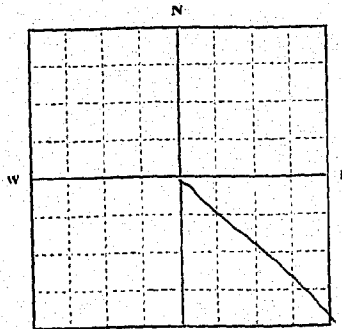
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1963Owner Orlo Nervins Address Sidney, Mont.Contractor (if any) None

Address of Contractor .....

Date Started - Date Completed -

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

Spring Fed Creek

S. E. 1/4 Sec. 9 T. 23 R. 57  
Indicate point of appropriation  
and place of use, if possible.

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

estimate approximate lengths of periods of use

Springs Used For Stockwater About  
Four Months Per Year  
Creek Bottom Sub-Irrigated

Signature of Owner Orlo NervinsDate Dec 30, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

29569

STATE OF MONTANA, } ss. 286276  
County of Richland,  
Filed this 30 day of  
December A.D. 19 63  
at 3:30 o'clock P.M.  
6 7 County Recorder  
W. H. Barker  
W. H. Barker Deputy  
2  
filed

File No. ....

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

T. 23 N. R. 57 E.

County Richmond

JAN 22 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater unknown  
Owner Marguerite M. Sawyer Address Sidney, Montana  
Contractor (if any) None  
Address of Contractor .....  
Date Started ..... Date Completed .....

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

Natural Flowing Spring

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.

Amount of water unknown  
Used about 6 months out  
of year for Stock water

Signature of Owner Marguerite Sawyer

Date 1-9-64

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

STATE OF MONTANA, } ss. 287141  
County of Richland,

Filed this 21 day of

Jan. A. D. 19 1914

at 11:00 o'clock, P. M.

C. L. Kroger

County Recorder

R. A. Wichman

Deputy

fee: 2.00  
filed