

File No.

STATE WATER CONSERVATION BOARD

T. 22 N. R. 59 E. 12

DUPLICATE

RECEIVED SEP 21 1965

County Richland

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

REFERRED TO

Top of Ground (Elev. above sea level. 2015) 0 Sandy Clay and Top Soil 27-42 Clay and Soft Gravel 42-45 Rock 45-113 Gray Clay 113-135 Gray Sandstone Water strata

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Sterling Swigart Address Sidney Montana

Driller Francis Boyce Address Sidney Montana

Date of Notice of Appropriation of Groundwater

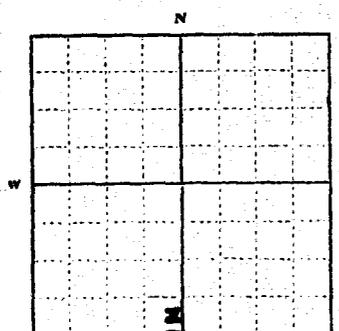
Date well started Aug 16, 1965 Date Completed Aug 24, 1965

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

Water Use: Domestic [] Municipal [] Other [] Irrigation [] Industrial [] Drainage [] Stock [x]

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.

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)).



1/4 Sec. 13 22 59. Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 86 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 110 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailor Length of Test 2 hours

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

outside of casing. 2yd. pas Gravel

82 Driller's License Number Francis Boyce Driller's Signature

136

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.

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.

RECEIVED
SEP 20 1965
CLERK

STATE OF MONTANA, } ss. 294553
County of Richland,

Filed this 20 day of
Sept A. D. 1965

at 1:49 o'clock, P. M.

E. L. Lockyer
County Recorder

D. Sullivan
Deputy

Fee #2⁰⁰
Filed

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Stanley Swiggart
Address Sidney, Mont
Date well started Mar 12 1971 GW 1
completed Mar 18 1971

For Administrator's Use
File 318284
MARCH 22, 1971
1:30 P.M.

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

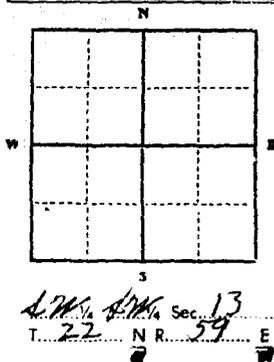
Equipment used Rotary
(Churn drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other Garden/Lawn

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

ESTIMATED ANNUAL WITHDRAWAL 100,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind	From (Foot)	To (Foot)
<u>4 1/2"</u>	<u>4" I.D.</u>	<u>0</u>	<u>397</u>	<u>None</u>		
<u>Dramed 10.25 ft</u>						
<u>5 1/2" to 39.5 ft</u>						



Static water level 182 ft.*
Pumping water level 192 ft.*
at 6 gallons per minute,
measured 6 minutes after pumping began.

*Measured from ground level.
Well developed by Driller
for 3 hours.
Power Electric Pump 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
This well is gravel packed back to 317 ft down.

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

Driller's Signature Francis Boyce
Driller's Address Sidney, Mont

LICENSE NO. 92

County Richland 13

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level) 2080

From (Feet)	To (Feet)	Description
0	23	<u>brown sandy clay</u>
23	28	<u>loam</u>
28	35	<u>gray clay</u>
35	41	<u>brown sand</u>
41	47	<u>gray sandy clay</u>
47	49	<u>loam</u>
49	116	<u>gray shale</u>
116	120	<u>loam</u>
120	245	<u>gray shale</u>
245	260	<u>loam</u>
260	316	<u>gray shale</u>
316	338	<u>loam</u>
338	360	<u>gray shale</u>
360	392	<u>shale with thin layers</u>
392	397	<u>hard shale</u>
397	410	<u>coarse gray sandstone</u>

410 Show exact depth of bottom

48249

318284
STATE OF MONTANA, }
County of Richland, } ss. 318284

Filed this 22 day of
March A. D. 1976

at 1:30 o'clock P. M.

Helen Burke
County Recorder

John Palachuk
Deputy

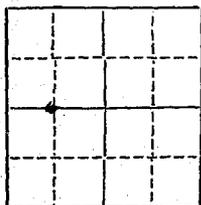
T. 22 N R. 59 E ¹⁵
County Richland

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER



Owner Helmer Rau Address Sibney Mont
Driller David Gulbrun Address Sibney Mont
Date Started 2/20/61 Date Completed 2/30/61
Location: Sec. 15 T. 22 R. 59 1/4 sec. center west

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

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

Casing: 0 ft. to 160 ft. Type steel Size 4"
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____

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

Type of screen or perforations: _____

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

Shut-in pressure, for flowing well: 2 lb./sq. in. on: 2/30/61
(date)

Pumping water level 4 feet at 20 gal. per min.

How tested: backer

Length of test 2 hrs

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

STATE OF MONTANA, } ss. 325549
County of Richland, }

Filed this 29 day of

Jan. A. D. 19 73

at 1:45 o'clock, P. M.

Walter Hjerke

County Recorder

June Paladichuk

Deputy

File No.

T22N R59E MPM

DUPLICATE

County Richland

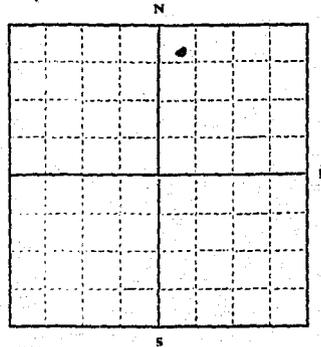
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Neva J. Kelly of Skaar 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:



NE 1/4 NE Sec. 17, T. 22N, R. 59

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

2. The beneficial use on which the claim is based household
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Early 1930
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 g.p.m.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
electric pump unit
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 unknown
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
sand point
10. The estimated amount of groundwater withdrawn each year 50,000 gallons
11. The log of formations encountered in the drilling of each well if available
unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
None

Signature of Owner

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.

29626

STATE OF MONTANA, } ss. 206332
County of Richland,

Filed this 31 day of
December A. D. 19 63
at 8:52 o'clock P. M.

G. L. Lonker
County Recorder
Walter Luecke
Deputy

fee \$2.00
filed

GW 3

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

File No.

T. 22N R. 59E. M.F.M.

DUPLICATE

County Richland

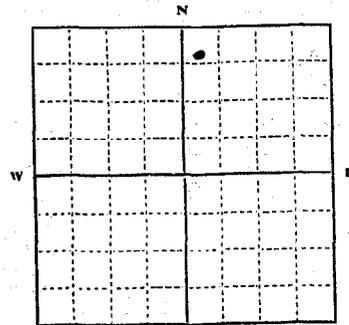
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 10 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater about 1900
Owner Neva I. Kelly Address Sidney, Mont.
Contractor (if any) None
Address of Contractor None
Date Started Unknown Date Completed Unknown



NE 1/4 NE Sec. 17 T. 22 R. 59

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

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

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 continuously - measured at 3 p.m.

Signature of Owner Neva I. Kelly

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.

29628

STATE OF MONTANA, } ss. 286 334
County of Richland, }

Filed this 31 day of
December A. D. 1963

at 8:54 o'clock, P. M.

E. J. Kroger
County Recorder
Deputy

fee 2.00
filed

File No.

T22N R59E MPM

County Richland

DUPLICATE

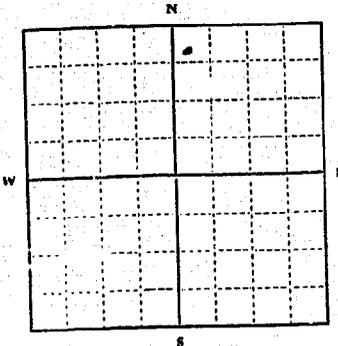
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Neva E. Kelly (Name of Appropriator), of Skaar Route, Sidney (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 NE Sec. 17 T. 22 R. 59

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1959

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Spring 1959

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 Sandpoint

10. The estimated amount of groundwater withdrawn each year 50,000 gallons

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

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

Signature of Owner Neva E. Kelly

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.

29627

STATE OF MONTANA, No. 286333
County of Richland

Filed on 31 day of December

at 8:53

E. P. Hooker
County Recorder

Helmi Decker
Deputy
Filed 12 30

GW 4

File No.

DUPLICATE

T. 22 N R 59 E
County. Richland

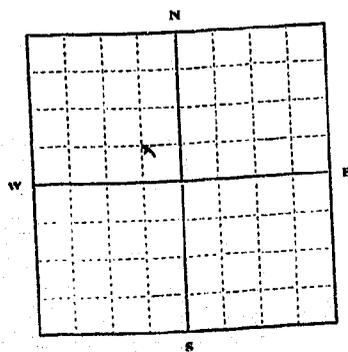
JAN 10 1964

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Robert L. Koch, of S. Kearney St. 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:



Ed. M. W. Sec. 17 T. 22 R. 59 E.

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

- 2. The beneficial use on which the claim is based. household & stock water
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Approximately 1946
Almost continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 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. pressure pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1946 at the well was here when I purchased the place. I can not give the exact date
- 8. The depth of water table. about 22 FT
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 1 1/2" sand point about 22 FT
- 10. The estimated amount of groundwater withdrawn each year. 36500
- 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 Robert L. Koch
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.

29886

286593

STATE OF MONTANA,
County of Richland, }
Filed this 31 day of
December A. D. 19 63
at 1:13 o'clock, P.M.
E. J. Koske
County Recorder
E. Cook
Deputy

fee \$2.00
filed

18

File No.

T. 22^N R. 59^W
County. Richland

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 26 1963

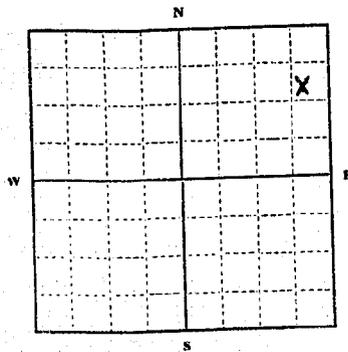
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Groskinsky Farming Corporation of Rt. 1, Box 195 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:



NE 1/4 NE 1/4 Sec. 18, T. 22, R. 59.

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

2. The beneficial use on which the claim is based. For watering livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Earliest use was 1932 and it has been in continuous use since that time.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 4 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. This water is 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. A cylinder pump driven by an electric motor at the location shown at the left.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. The commencement and completion was in the fall of 1932.
8. The depth of water table. 15 to 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. Open well, 22 ft. deep, cased with a two foot culvert.
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. 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 available.

Signature of Owner Groskinsky Farming Corp
by Albert H. Groskinsky
Date Dec 20, 1963

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

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

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

12618

STATE OF MONTANA, } ss. 285839
County of Richland,

Filed this 20 day of

Dec. A. D. 1963

10:30 o'clock, P. M.

E. L. Kandle
County Recorder

D. Sullivan
Deputy

Jan 4 2003
Filed

18

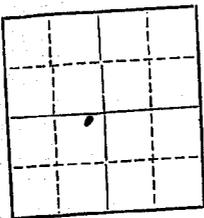
T. 22^N R. 59^E

County Beaumont

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG



Owner Wade Corp Address Sibay Mont

Driller David Gulbrson Address Sibay Mont

Date Started 3/22/61 Date Completed 4/10/61

Location: Sec. 18 T. 22 R. 59 1/4 sec. SW

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

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other: _____

Casing: 0 ft. to 135 ft. Type steel Size 8"

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

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

Perforated or Screened: Ft. 12 to ft. 24 Ft. _____ to ft. _____

Type of screen or perforations 1/4" slots 10" long

Static Water level, for non-flowing well: 14 feet.

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

Pumping water level 15 feet at 25 gal. per min.

How tested: water pump

Length of test: _____

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

(over)

GV

File No.

T 22n R 59 E. M.P.M

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

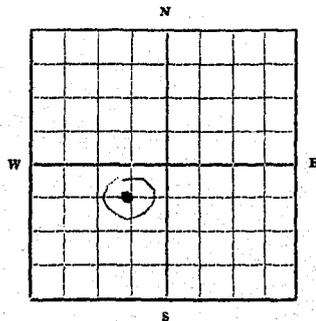
RECEIVED
MAR 12 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Bertha A. O'Brien of Rt 11 Box 204 Sidney, Montana
(Name of Appropriator) (Address) (Town)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.W. 1/4 Sec 19 T22n R59E.

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 use and poultry
3. Date or approximate date of earliest beneficial use; and how continuous the use has been September 1935 to present date.
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 Flowers and plants around house yard.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Shallow well piston pump with tank and 1/2 horse power electric motor. Located approx. the center NE 1/4 SW 1/4 Sec 19 Twp 22n Rge 59E.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater In the year 1935. ~~In the year 1930~~
8. The depth of water table Approximately ⁴⁰ 35 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 1 1/2 inch pipe to a depth of ~~34~~ 34 feet.
10. The estimated amount of groundwater withdrawn each year 125,000 gallons
11. The log of formations encountered in the drilling of each well if available Driven pipe, no information.
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 Bertha A. O'Brien

Date March 11th 1963

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

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

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

STATE OF MONTANA, } ss. 281598
County of Richland,

Filed this 11 day of

Nov A. D. 19 63

2:07 o'clock P.M.

E. L. Rader
County Recorder

D. Sullivan
Deputy

fee # 2 is
filed

GV

File No.

DUPLICATE

T. 22N R. 59E.M.P.M.

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

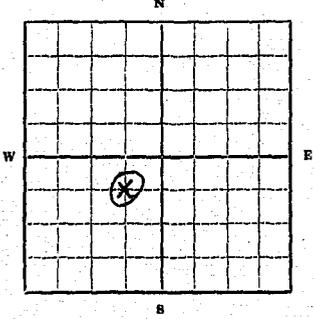
RECEIVED
MAR 12 1963

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

STATE ENGINEER

1. Bertha A. O'Brien of Rt 1 Box 204 Sidney, Montana
(Name of Appropriator) (Address) (Town)

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



SW 1/4 Sec. 19 T. 22N R. 59E.
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 well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 1952, said use being continuous to and including the present date.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 35 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 purposes at this time.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Natural flowing Artesian well Located in approximately the center of the NE 1/4 Sec 19-Twp 22N, Rge. 59E.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater In the year of 1952
8. The depth of water table Believed to be approximately 200 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Total depth 215 feet. 2 inch pipe 215' deep.
10. The estimated amount of groundwater withdrawn each year Natural flow approximately 18,396,000 gallons
11. The log of formations encountered in the drilling of each well if available None available to this owner.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record No other information known at this time.

Signature of Owner Bertha A. O'Brien

Date February 19th, 1963.

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

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

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

3267

STATE OF MONTANA, }
County of Richland, } 281599

Filed this 17 day of
May A. D. 19 63
2:09 o'clock P.M.

E. J. Koster
County Recorder
D. Sullivan
Deputy

fee: \$ 2 00
filed

GV

File No.

DUPLICATE

T22N R59 E M.P. 4.4

County Richland

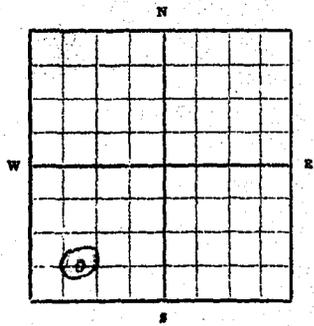
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 12 1963
STATE ENGINEER

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

1. Henry O'Brien and John O'Brien of Rt. 1 Box 204 Sidney, Montana
(Name of Appropriator) (Address) (Town)

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



..... 1/4 Sec. 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 Stock water well

3. Date or approximate date of earliest beneficial use; and how continuous the use has been September 1919 continuous to present date.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 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 Natural flowing Artesian well Located in SW 1/4 SW 1/4 sec 19- T22N, R59 E.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Year of 1919

8. The depth of water table Believed to be 185 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 2 inch pipe to a depth of 185 feet.

10. The estimated amount of groundwater withdrawn each year Natural flow about 1,931,200 gallons.

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

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 Henry O'Brien
John O'Brien
Date March 11, 1963

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

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

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

5860

STATE OF MONTANA, } ss. 281597
County of Richland,

Filed this 11 day of Mar A. D. 1963

at 2:05 o'clock, P.M.
E. L. Hood
County Recorder

D. Sullivan
Deputy
fee: \$32
file

File No.....

T. 22N R. 59 E M P. M.

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 28 1963

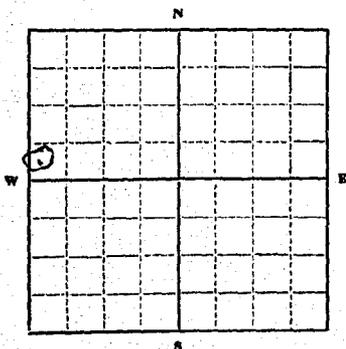
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Henry O'Brien and Gerald O'Brien, of Rt. 11, Box 204 Sidney, Montana
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 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.....
Stock water well

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
Oct. 1936 3 months in spring and 3 or 4 months in fall each year.

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Pump jack on pump driven with gas motor of S.H.P.
S W 1/4 N W 1/4 sec. 19 T W P 22N Rge. 59 E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
Year of 1936

8. The depth of water table.....
11 feet continuous to 20 feet that we no of at present.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
1 1/2 inch pipe to a depth of 24 feet.

10. The estimated amount of groundwater withdrawn each year.....
168,000 gallons

11. The log of formations encountered in the drilling of each well if available.....
Dirt and a few rocks.

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.....
Henry O'Brien

Date.....
12-15-63

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.

STATE OF MONTANA, }
County of Richland, } ss. 285935

Filed this 23 day of
December A. D. 1963
at 1:57 o'clock, P. M.

E. L. Kosken
County Recorder
C. Cook
Deputy

fee \$2.00
filed

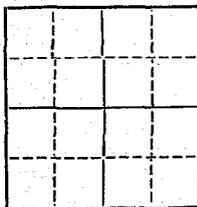
RECEIVED
STATE ENGINEER

T. 22N R. 59E
County Richland

21

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner George Schertz Address Sidney
Driller Andy Mako Address Sidney
Date Started Nov 9 Date Completed 10 Nov 59
Location: Sec. 21 T. 22 R. 59 ¼ 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: 52 ft. to _____ ft. Type O.D. Size 4 1/2

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

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

Perforated or Screened: Ft. 42 to ft. 52 Ft. _____ to ft. 10

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 15 feet at _____ gal. per min. 8

How tested: Pailing

Length of test 2 hours

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

(over)

File No.

T. 22 N. R. 59 E.

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

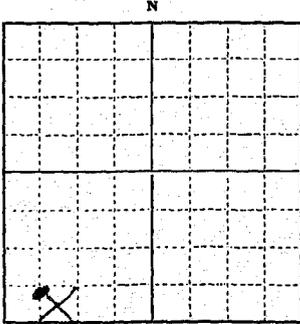
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George Scheetz, of Skawate 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:



4 24 21 22 29
1/4 Sec. T. 29

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 and lawn and trees

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955 long day

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

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 tree and lawn 1/4 acre

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1955 aug

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. 1 1/2 in pipe 52 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. gravel and loam

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 George Scheetz
Date Dec. 31 - 1963

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

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

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

STATE OF MONTANA, } No. 28633
County of Richland, }

Filed this 3rd day of
December A. D. 1962

at 8:51 o'clock P. M.

E. L. Kasper
County Recorder

John Duerke
Deputy

*See 200
filed*

File No.

T. 22 R. 59

DUPLICATE

County Richland

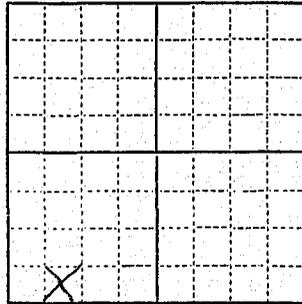
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George Scheetz (Name of Appropriator), of Shoan Rte. Sidness (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:



SW 1/4 Sec. 21 T. 22 R. 59
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based. cattle
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Oct. 1959
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10
- 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. jet deep well in road
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Oct. 1959
- 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. jet deep well 1 1/4 in pipe
- 10. The estimated amount of groundwater withdrawn each year. 10,000.00
- 11. The log of formations encountered in the drilling of each well if available. sandy loam and 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 George Scheetz
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.

29623

STATE OF MONTANA, } ss. 286329
County of Richland,

Filed this 31 day of

December A. D. 1963

at 8:49 o'clock P. M.

E. L. Hooker
County Recorder

Helen Dueske
Deputy

fee \$2.00
filed

T. 27N R 59E 21
 County RICHland

MONTANA BUREAU OF MINES AND GEOLOGY
 Butte, Montana

WATER WELL LOG

RECEIVED
 FEB 17 1961
 STATE ENGINEER

			*

Owner Ray Smart Address Sidney, Mont.
 Driller David Gulbroa Address Sidney, Mont.
 Date Started Dec. 7, 1960 Date Completed Dec. 15, 1960
 Location: Sec. 21 T. 27 R. 59 1/4 sec. NE

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

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

Casing: 0 ft. to 47 ft. Type Galv Size 4 1/2"

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: 26 feet.

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

Pumping water level 30 feet at 10 gal. per min.

How tested: Bails

Length of test 1 H.R.

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

(over)

On

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

File No.

T 22 N R

DUPLICATE

County

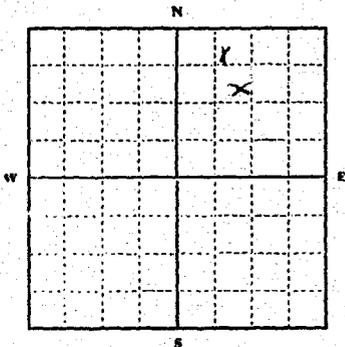
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ray Smart of Scuar 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:



2. The beneficial use on which the claim is based Domestic use and stock use.

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

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

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

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

NE 1/4 Sec. 21 T. 22 R. 59

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 1961

8. The depth of water table 23 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 1 1/2" sand point.

10. The estimated amount of groundwater withdrawn each year 200,000 gallons

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

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

Signature of Owner

Ray Smart

Date Dec. 31, 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.

2976

STATE OF MONTANA, } ss. 286467
County of Richland,

Filed this 31 day of

Dec. A. D. 19 63
11:07

B. L. Kooker

P. Atchison
Deputy

Fee: 200
filed

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 MONTANA WATER RESOURCES BOARD
**NOTICE OF COMPLETION OF GROUNDWATER
 APPROPRIATION BY MEANS OF WELL**
 Developed after January 1, 1962

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

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

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

Owner Ray Smart
 Address Sidney, Montana
 Skarr Route
 Date well started
 completed 4-12-1971

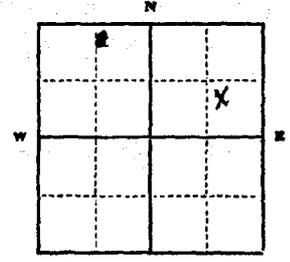
For Administrator's Use
File <u>321259</u>
<u>December 30, 1971</u>
<u>3:40 PM</u>
GW 1

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

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

ESTIMATED ANNUAL WITHDRAWAL 200,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
8"	4" I.D. 10 per ft.	0'	53'	torch slots 1/2"x3/8"	12'	53'



Static water level 33 ft.*
 Pumping water level 40 ft.*
 at 8 gallons per minute,
 measured 2 minutes after pumping began.
 *Measured from ground level.
 Well developed by baller
 for 1 hours.
 Power elec. Pump sub. 1/2HP
 Remarks: (Gravel packing, cementing, packers, type of shutoff) external gravel pack around casing
slight dip to top of ground
at top

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

Driller's Signature Francis Boyce
 Driller's Address Sidney Mont.

LICENSE NO. 92

Top of Ground (Elev. above sea level) 2000

From (Feet)	To (Feet)	Description
12	47	top soil and yellow clay
12	47	brown sand
47	53	gravel and sand water strata

53' Show exact depth of bottom

49667

#321259

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

Filed this 30 day of
December A. D. 19 71
at 3:40 o'clock, P. M.

Walter Steibe
County Recorder
Joy Coakley
Deputy

Fee: \$2.00

Filed

File No.

T. 22 N R. 59 E

DUPLICATE

County.....

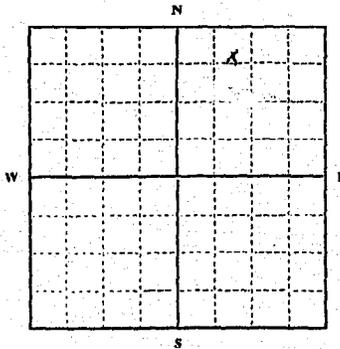
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ray Smart, of Skar Rte Sidney, Mont.
(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 Sec. 21 T. 22R 59

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

2. The beneficial use on which the claim is based Stock Water and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1938 and in continuous use since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 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 approximately one-half acre in the NE 1/4 Sec. 21 Twp 22 Rge 59, owned by Ray Smart.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric motor and pump jack with cylinder pump size 3"

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1938

8. The depth of water table 42 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well with 6 inch casing, depth 42 feet

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

11. The log of formations encountered in the drilling of each well if available none available

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

Signature of Owner Ray Smart

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.

29762

STATE OF MONTANA, } ss. 286468
County of Richland,

Filed this 31 day of

Dec. A. D. 19 63

at 11:08 o'clock A.

E. L. Kooker

County Recd.

R. Atchison

A.R.M.

See: 200

filed

21

File No.

T. 22 N. 59 E

DUPLICATE

County

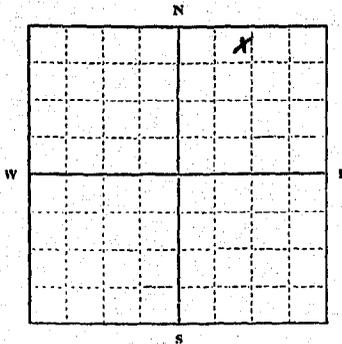
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Ray Smart, of Skuar Rte Sidney,
(Name of Appropriator) (Address) (Town)
County of Riciland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 21 T22 R59

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 - used continuously since
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 gal. per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used for irrigation
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump

- 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 42 ft.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled well, 6 inc. casing, 42 ft. deep
- 10. The estimated amount of groundwater withdrawn each year 400,000 gallons
- 11. The log of formations encountered in the drilling of each well if available none available
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Ray Smart

Date Dec. 1, 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.

29758

STATE OF MONTANA, } ss. 286 464
County of Richland, }

Filed this 21 day of

Dec. A. D. 1963

at 11:04 o'clock P. M.

B. L. Rooker

County Recorder

B. Atkinson

~~Deputy~~

fee: 2.00
filed

GW*

W. I. S. S.

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

21

File No.

T 22 N 51 E

DUPLICATE

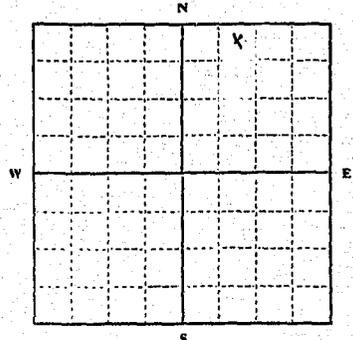
County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

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

1. Ray Smart of Skaar 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:



NE 1/4 Sec. 21 T. 22 R. 59
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based Stock Use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1953 - used continuously since
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gal. per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used for irrigation
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Water pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1953
- 8. The depth of water table 23 ft.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well, 6 in. casing
- 10. The estimated amount of groundwater withdrawn each year 300,000 gallons
- 11. The log of formations encountered in the drilling of each well if available not available
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Ray Smart
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.

24759

STATE OF MONTANA, } SS. 286465
County of Richland,

Filed this 31 day of

Dec. A. D. 1923

at 11.05 o'clock P. M.

B. L. Kooker

County Recorder

R. Atchison
Deputy

See: 200
filed

File No.

T. 22^N R. 59^E

DUPLICATE

County

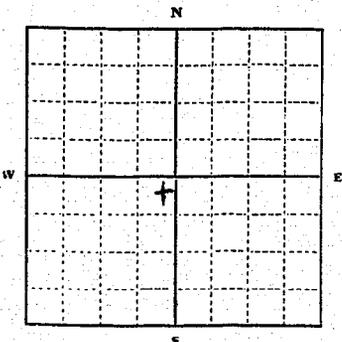
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ray Smart, of Spear 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:



SW 1/4 Sec. 22 T. 22 R. 59
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- 2. The beneficial use on which the claim is based Stock water
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1942 - in continuous use since
- 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 windmill and cylinder pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1942
- 8. The depth of water table 28 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, wood casing 8" square, 28 ft. deep
- 10. The estimated amount of groundwater withdrawn each year 300,000 gallons
- 11. The log of formations encountered in the drilling of each well if available none available
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Ray Smart
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.

29760

286466

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

Filed this 31 day of

Dec. 1963.

at H. S. R. of R.

E. S. Hoover

County Clerk

R. Atchison

Deputy

fee: 2.00
filed

File No.

T. 22 N. R. 59 E.

DUPLICATE

County RICHLAND

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

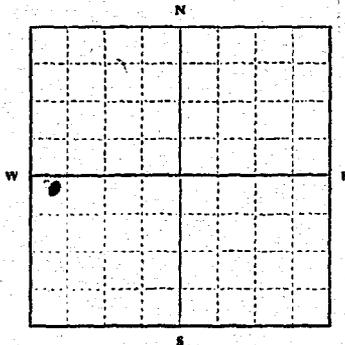
JAN 10 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. W. G. HENKAN of Box 705 SIDNEY
(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:



$\frac{1}{4}$ Sec. 37 T. 22 N. R. 59 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; GENERAL FARM USE

3. Date or approximate date of earliest beneficial use; and how continuous the use has been DRILLED - 1913
USED CONTINUOUS SINCE 1929

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1913 COMPLETED

8. The depth of water table 120 ft. 60 FT WATER.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
DRILLED WELL - STEEL CASING - 6 INCH CASING

10. The estimated amount of groundwater withdrawn each year 232,000 GAL.

11. The log of formations encountered in the drilling of each well if available 8 FT. TOP SOIL
BAL. WHITE CLAY

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

Signature of Owner W. G. Henkan

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.

286594

STATE OF MONTANA,
County of Richland,

Filed this 31 day of

December A.D. 1963

at 1:14 o'clock P.M.

E. S. Koppel
County Recorder

E. S. Koppel
Deputy

*for \$2.00
filed*

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
**NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL**
Developed after January 1, 1962

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

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

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

Mrs Art Waldo Hennen Estate

Owner **Sidney, Mont**
Address
Date well started **2, Oct 1970**
completed **2, Oct, 1970**
Type of well **drilled**

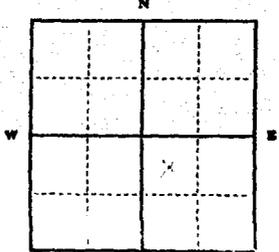
For Administrator's Use
File **316.7630**
October 29, 1970
3155 P.M.
GW 1

Equipment used **churn drill**
(Churn drill, rotary or other)
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other Garden/Lawn

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

ESTIMATED ANNUAL WITHDRAWAL **100,000**

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6"	1 1/2"	0	92	NONE		



Static water level **65** ft.
Pumping water level **80** ft.
at **30** gallons per minute,
measured **30** minutes after pumping began.
*Measured from ground level.
Well developed by **blower**
for **1** hours.
Power **1/2** HP Pump **jack &** HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
4' gravel in bottom

27
T. **22** N. R. **59**
S. **11** E. **27**

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

Driller's Signature **[Signature]**
Driller's Address **Sidney, Mont**
License No. **77**

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	42	brown clayey sand
42	89	grey clayey sand
89	90	coal water
90	92	grey shale

92 Show exact depth of bottom

47716

316730
STATE OF MONTANA, } ss.
County of Richland.

Filed this 30 day of
October A. D. 19 79
at 3:55 o'clock, P. M.
Helena Burke
County Recorder

Deputy

Filed
\$ 2.00

G.

File No. _____

T. 22 N. R. 59 E.

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

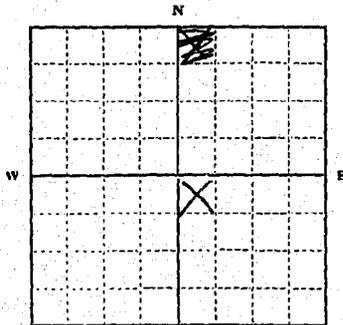
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Russell G. Mercer of Skaar Rt., Sidney, Mont.
(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. 28 T. 22 R. 59

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

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been Approximately 1907 - continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gallon per minute

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

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

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

8. The depth of water table 75 foot

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 is 150 feet deep with 6 inch casing

10. The estimated amount of groundwater withdrawn each year estimated at 350,000 gallon

11. The log of formations encountered in the drilling of each well if available none available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record water table has never lowered from year to year.

Signature of Owner Russell G. Mercer

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.

29958

STATE OF MONTANA, } ss. 28664
County of Richland, }

Filed this 31 day of December 1963

at 3:24 o'clock P.M.

E. J. Hooker
County Recorder

Helen Querk
Deputy

filed

File No. _____

T. 22^N R. 59^E

DUPLICATE

County Richland

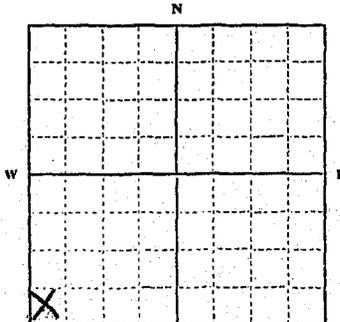
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Russell G. Mercer, of Skisar Pt., 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:



SW $\frac{1}{4}$ Sec. 28 T. 22 R. 59

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 livestock
- Date or approximate date of earliest beneficial use, and how continuous the use has been approximately 1947
- The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallon per minute
- 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
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal gasoline motor pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater approximately 1947
- The depth of water table ~~12 ft~~ 8 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 25 feet deep with wooden casing
- The estimated amount of groundwater withdrawn each year 100,000 gallon when needed
- The log of formations encountered in the drilling of each well if available gravel and sand
- 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 Russell G. Mercer
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.

29957

STATE OF MONTANA, | ss. 286663
County of Richland,

Filed this 31 day of
December A.D. 1962
at 2:23 o'clock P.M.

E. J. Roeder
County Registrar
Helena Durke
Deputy

Fee 2.00
Filed

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

**NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1962

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

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

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

Owner Andrew Petersen Jr.

Address Sidney Mont.

Date well started Dec. 10 1970

completed Dec. 15 1970

Type of well Artisan (Drilled)

(Dug, driven, bored or drilled)

Equipment used rotary

(Churn drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

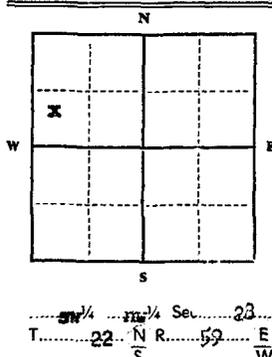
Industrial Drainage Other * Garden/Lawn

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 200,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
1 1/2"	11 lbs. per ft. 3/4"	0	43	torch slots	1105	1172



slut in pressure 75 lbs. ft.*
 Static water levelft.*
 Pumping water levelft.*
 atgallons per minute,
 measuredminutes after pumping
 began.
 *Measured from ground level.
 Well developed by
 forhours.
 Power..... Pump..... HP
 Remarks: (Gravel packing, cementing,
 packers, type of shutoff)
 pressure grouted back
 to surface 62 bags no. 5
 cement
 packed with 10.5 gal. cement

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

Driller's Signature James Payne

Driller's Address Sidney Mont # 749

LICENSE NO. 92

County Richland
 28
 JAN 4 1971

DRILLER'S LOG
 Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground		(Elev. above sea level) 2000
From (Feet)	To (Feet)	
0	16	top soil & sandy clay
16	32	sand & fine gravel
32	43	clay
43	47	soft rock
47	63	gray clay
63	95	gray shale
95	121	sandstone
121	320	gray shale
320	325	sandstone
325	430	gray shale
430	442	sandstone
442	510	gray shale
510	522	rock
522	530	sandstone
530	801	gray shale
801	822	sandstone
822	955	hard gray shale
955	1000	hard gray shale
1000	1044	hard gray shale
1044	1046	rock
1046	1089	hard gray shale
1089	1091	rock
1091	1103	hard shale
1103	1172	sandstone & artision strata

1172 Show exact depth of bottom

47962

317287

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

Filed this 31 day of

December A. D. 19 72

at 10:35 o'clock, P.M.,

John D. Dick
County Recorder

Deputy

28

File No. 1
DUPLICATE

T. 22 N. R. 39 P. 1
County... Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

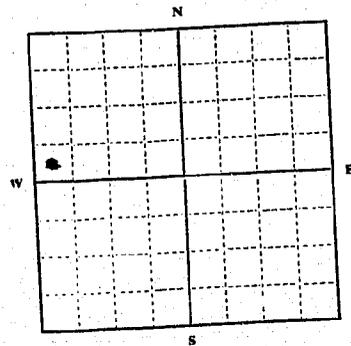
JAN 10 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Andrew Johnson Jr. of Stoner Butte, Richland (Town)
(Name of Appropriator) (Address)

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



1/4 Sec. 28, T. 22, R. 39

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 & Household Use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been... Nov. 10, 1940
Continues
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 10 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... Not Applicable
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... Electric Jet Pump, located at site of appropriation
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... Construction started Nov. 5, 1940 Completed Nov. 10, 1940
- 8. The depth of water table... 90 Ft.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... Four inch drilled well, 110 Ft. deep.
- 10. The estimated amount of groundwater withdrawn each year... 109,500 Gal.
- 11. The log of formations encountered in the drilling of each well... 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 Andrew Johnson Jr.
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.

29911

STATE OF MONTANA, }
County of Richland, } No. 28667

Filed this 31 day of

Dec. A. D. 1913

at 1:37 o'clock P.M.

C. L. Krocker
County Recorder

R. Atchison
Deputy

Fee: 2.00
Filed