

File No.

T. 20 N. R. 57 E. 19

DUPLICATE

This well had 175 ft of 4" I.D. casing and is deep to 860 ft

200 ft deep
County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground	(Elev. above sea level)
200	400 gray shale
400	403 rock
403	430 gray shale
430	438 rock
438	505 gray shale
505	571 rock
571	545 gray shale
545	549 rock
549	600 gray shale
600	603 rock
603	630 gray shale
630	640 rock
640	690 hard gray shale some heavy layers
690	705 " 1 1/2" thin layers sandstone 283 ft. m.
705	757 hard gray shale
757	761 rock
761	733 hard tough gray shale
733	737 rock
737	860 sandstone & tuff strata 18 gallons D.P.M.

MONTANA WATER RESOURCES BOARD
RECEIVED

Owner Ray Sult Address Madison Mont.

Driller Francis Boyce Address Madison Mont.

Date of Notice of appropriation of groundwater

Date well started

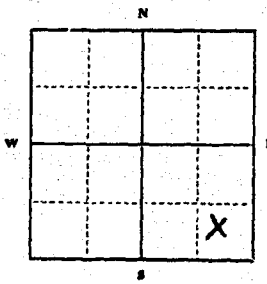
Date completed Jan 29, 1969

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
2 3/8"	1 1/2" galv casing	200	760	Top of shale 4' x 2 1/2"	733	860
		0	760 ft			



Static Water Level for non-flowing wellfeet.

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

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

Discharge in gal. per min. of flowing well18 gallons

How Tested.....

Length of Test.....

Remarks: (Gravel packing, cementing, packers, type of shutoff) 1 steel packer set 10 ft long 2 1/2" O.D. set at 723 to 733 ft.

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

(Continue on reverse side)

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

Show exact depth of bottom.
860 ft

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.

92
Driller's License Number
Francis Boyce
Driller's Signature.

45,073

309701

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

Filed this 21 day of
March A. D. 1969
at 2:00 o'clock, P.M.

Helen Burke
County Recorder
Thomas J. Cook
Deputy

fee \$2⁰⁰

File No.

T. 20 N R 59 E

DUPLICATE

County RICHLAND

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

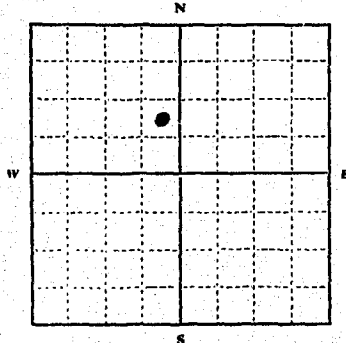
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, DEAN E. YOUNGQUIST, of SKARR RT 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:



NW 1/4 Sec. 7, T20N 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 STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1949
EVERY YEAR

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 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 WINDMILL & PUMP

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 140'

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 5" CASING, 160'

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NOT KNOWN

Signature of Owner Dean E. Youngquist

Date 12/28/1963

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

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

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

512 No. 12

286233

FILED IN 286233
County of Madison
Filed this 30 day of Dec A. D. 1963
at 2:20 o'clock P. M.
E. L. Kasper
County Recorder

E. L. Kasper
Deputy
fee: 82
filed

File No.

T. 20^N R. 59^E
County Richland

DUPLICATE

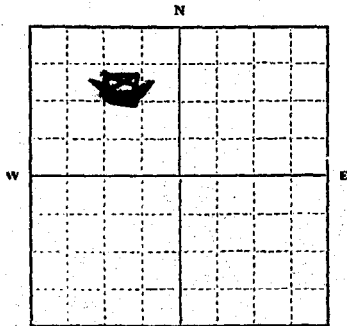
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Hugh B Brown (Name of Appropriator), of SHAR Lte - 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:



$\frac{1}{4}$ Sec. 25 T. 20.59E
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

- The beneficial use on which the claim is based Stock Water + Agric - purposes
- Date or approximate date of earliest beneficial use; and how continuous the use has been Purchased in 1959
- The amount of groundwater claimed (in miner's inches or gallons per minute). 20 Gallon per Min.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. By Pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Was on place at time of purchase
- The depth of water table. 20'
- 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
- The estimated amount of groundwater withdrawn each year. 8,400,000 Gallons
- The log of formations encountered in the drilling of each well if available. Not Available
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

Signature of Owner Hugh B Brown
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.

29696

286402

STATE OF MONTANA,
County of Richland, } ss.

Filed this 31 day of
December, 1963

at 10:02 P.M.
L. Hooper
Deputy
County Recorder

fee 2.00
filed

Handwritten notes, possibly "L. Hooper"

Handwritten notes, possibly "L. Hooper"

Vertical handwritten note

Vertical handwritten note

Vertical handwritten note

Vertical handwritten note

Vertical handwritten note

Vertical handwritten note

Handwritten note at bottom left

GW 4

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

File No.

T. 20ⁿ R. 59^e

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

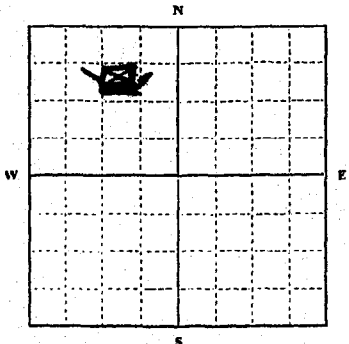
RICHMOND
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hugh B Brown (Name of Appropriator), State Rte - Sidney (Address), Richland (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. 25 20 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 + Agric purposes

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

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

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 By Pump

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

8. The depth of water table 20'

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

10. The estimated amount of groundwater withdrawn each year 8,400,000 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 Hugh B Brown
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. 29697

286403

UNITED STATES DEPARTMENT OF JUSTICE

FILED IN No. 31
December 63
AL 20103
G. L. Kasper
John L. Starks
Liaison

filed
200

[Faint handwritten notes, possibly "RECEIVED" or similar]

[Faint handwritten notes, possibly "JANUARY 1964"]

[Faint handwritten notes, possibly "JAN 1964"]

[Faint handwritten notes, possibly "JAN 1964"]

[Faint handwritten notes at bottom left]

27

File No.

T. 20^N R. 59^E
County: Richland

DUPLICATE

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

Owner: Hugh B. Brown Address: Sidney, Mont.

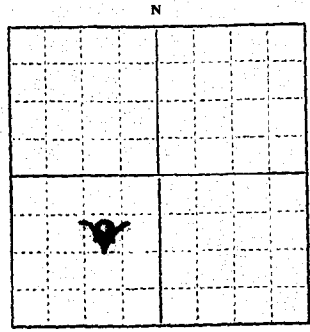
Contractor (if any) NONE

Address of Contractor

Date Started: 1962 Date Completed: 1962

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

Natural Slow flow
Bottom of Canyon depth unknown
(water 90 head of cattle)



1/4 Sec. 27 T. 20 R. 59
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. spring flow
year around, used approx
7 months a year.

Signature of Owner: Hugh B. Brown
Date: 30 Dec 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.

29694

286400

STATE OF MICHIGAN
County of Kalamazoo

Filed this 31 day of
December A. D. 1963
at 10:22 o'clock A. M.

W. L. Hasbun
County Recorder
Walter Dyer
Deputy

for \$20.00
filed

FILED
1963 DEC 31
10:22 AM
W. L. HASBUN
COUNTY RECORDER
KALAMAZOO, MICHIGAN

10/27

11/26

W. L. Hasbun
County Recorder
Kalamazoo, Michigan

1963 DEC 31
10:22 AM
W. L. HASBUN
COUNTY RECORDER
KALAMAZOO, MICHIGAN

1963 DEC 31
10:22 AM
W. L. HASBUN
COUNTY RECORDER
KALAMAZOO, MICHIGAN

286400
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 Ray Sult
Address Skaar Route
Sidney, Mont. 59270
Date well started Dec. 22, 1970
completed Jan. 8, 1971

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

Equipment used Rotary
(Churn drill, rotary or other)

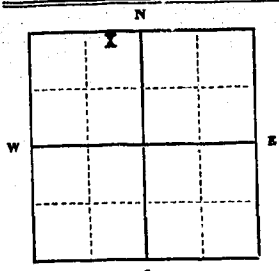
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other Garden/Lawn

For Administrator's Use
File 317538
January 20, 1971
4:27 P.M.
GW 1

*Describe Artisian
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 655,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 in.	4 in. 10 lbs.	0	31			
4 in.	1 1/2 galv. casing	0	1190	torch slots	1160	1190



N/e 1/4 N/w 1/4 Sec. 27
T. 20 N. R. 59 E
S W

Shut in pressure 28 lbs. ft.*
Static water level ft.*
Pumping water level ft.*
at flows 15 gallons per minute,
measured minutes after pumping
began.
*Measured from ground level.
Well developed by
for hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) steel
packer 10' long
lost at 1190 ft. 20'
2 1/2 bags No. 15 cement
pumped 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 Box 749 Sidney, Mont. 59270

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	16	topsoil
16	30	gray clay
30	33	soft rock
33	149	gray shale
149	153	rock
153	204	gray shale
204	206	rock
206	244	gray shale
244	246	rock
246	315	gray shale
315	345	sandrock
345	400	gray shale
400	871	medium hard gray shale
871	874	rock
874	895	gray shale
895	898	rock
898	1047	hard tough shale
1047	1150	medium hard shale
1150	1160	rock
1160	1190	sandstone & artesian strata

1190 Show exact depth of bottom

48015

#917538

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

Filed this 12 day of
January A. D. 1971
at 4:27 o'clock, P.M.

Helen Laibe
County Recorder

By Anna Leidy
Deputy

Fee: 2.00

Filed

35

File No.....

20 N R 59E
County Richland

DUPLICATE

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.....

Owner Hugh B Brown Address Sidney Mont.

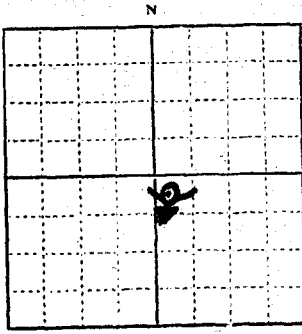
Contractor (if any) None

Address of Contractor.....

Date Started Aug 1962 Date Completed Mar 1963

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

Bottom of Canyon depth
Unknown
(Water 110 head level)



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 Spring flow
year around, used approx
7. Mo each year

1/4 Sec. 25 T. 20 R. 59E
Indicate point of appropriation and place of use, if possible.

Signature of Owner Hugh B Brown

Date 30 Dec 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.

29693

286399

STATE OF ILLINOIS
County of Franklin

Filed 31 day of
December A.D. 1962
at 9:58 P.M.

W. J. Proctor
County Recorder

filed

37-20756

Handwritten notes on the left margin, including the word "Satisfied".

Vertical handwritten notes in the center, including "filed" and "1/4".

Vertical handwritten notes on the right side, including "No more from" and "1/4".

Vertical handwritten notes on the far right margin.

File No. _____

T. 20 N. R. 59 E

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

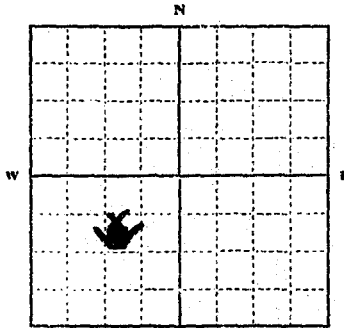
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hugh B Brown, of Skanelec - 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. 35 T. 20 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 + Agricultural Purposes

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

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

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
By Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1959 Completed same year within 30 days

8. The depth of water table. 160' to water table depth 230'

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" well bored, pumped by Windmill + Gas motor

10. The estimated amount of groundwater withdrawn each year 4300,000 Gallon

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 Hugh B Brown

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.

29692

2000
10/10/00

9/11/00
10/10/00
10/10/00
10/10/00
10/10/00

286398
286398
December 31 day of 63
9:56
G. L. Rooper
County Recorder
Deputy

filed
+

10/10/00
10/10/00
10/10/00
10/10/00

10/10/00
10/10/00
10/10/00
10/10/00
10/10/00

CV.

Approved Stock Form—State Publishing Co., Helena, Montana—12234

File No.

T. 20 N R 59 E

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

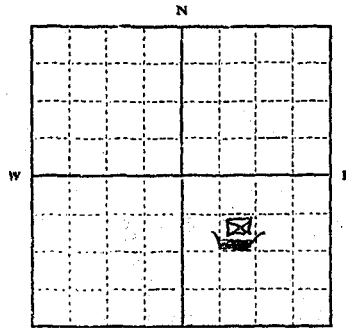
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hugh B Brown (Name of Appropriator), SKAR Co - 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:



1/4 Sec 36 T. 20 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 + Agricultural purposes

3. Date or approximate date of earliest beneficial use, and how continuous the use has been purchased land in 1959 & have used continuous since

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

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

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

7. The date of commencement and completion of the construction of the well, walls, or other works for withdrawal of groundwater 1961 started drilling & completed within 30 days

8. The depth of water table 120'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6" casing 120 ft deep Pumped with Gas Motor or Windmill

10. The estimated amount of groundwater withdrawn each year 43000 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 Hugh B Brown

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 to the Appropriator.

29691

0

1/10/1914
1/10/1914

1/10/1914
1/10/1914

1/10/1914
1/10/1914

1/10/1914
1/10/1914

1/10/1914
1/10/1914

1/10/1914
1/10/1914

STATE OF MARYLAND
County of [unclear] ss.
Filed this 31 day of
December 1913
at 9:57
C. L. Hooper
11
John Burke
County Recorder
D. 1913

for \$2.00
filed

286397

File No.

Recd
Nov 13 1964
State Eng

T. 20 N. R. 59 E.

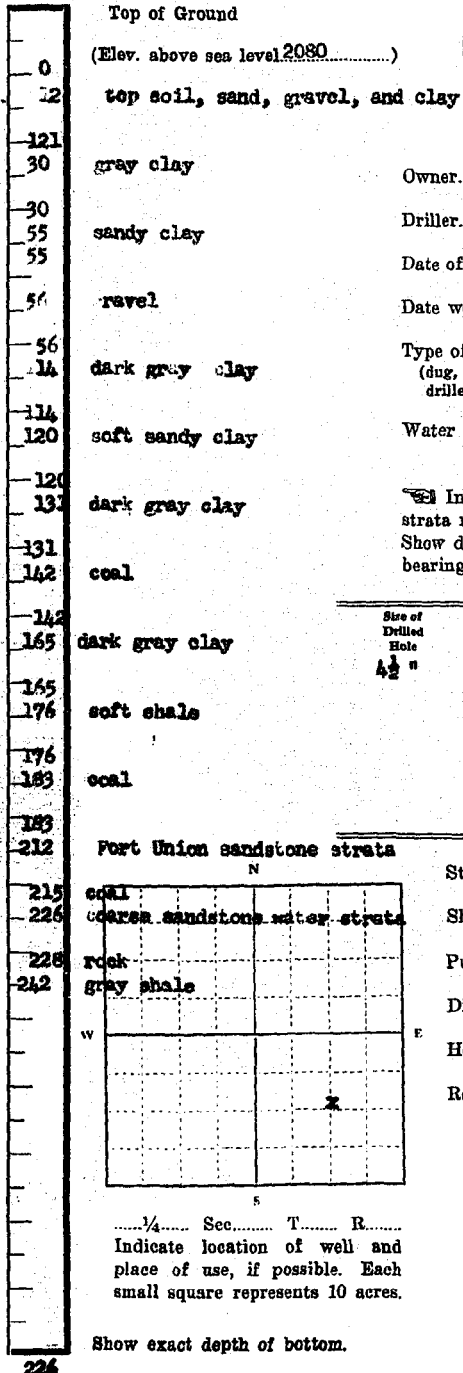
DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)



Owner: Halvorsen Bros. Address: Sidney, Mont.

Driller: Francis Boyce Address: Sidney, Mont.

Date of Notice of Appropriation of Groundwater:

Date well started: Oct. 5, 1964 Date Completed: Oct. 10, 1964

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 1/2"	4" I.D., 11 lbs. P.F.	0 to	214			

Static Water Level for non-flowing Well: 120 ft. feet.

Shut-in Pressure for Flowing Well:

Pumping Water Level: 160 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well:

How Tested: Bailor Length of Test: 3 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 pack

back to 207 ft. down

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

Show exact depth of bottom.

No. 92

Driller's License Number

Driller's Signature

Francis Boyce

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.

38656

STATE OF MONTANA, } ss. 291093
County of Richland,

Filed this 10 day of
Nov. A. D. 19 64
at 2:35 o'clock P. M.

Ed. Koeker
County Recorder
R. Hitchison
Deputy

fee: 2⁰⁰
filed

File No.

RECEIVED
AUG 7 1963

T. 20 N 60 E

DUPLICATE

County Richland

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

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

- 0 Top of Ground
- 12 clay, above sea level 2200
- 12 ~~point~~ sandy clay fill
- 25 yellow clay
- 25 clay yellow & gray
- 45
- 45 firm gray clay
- 124
- 124 soft rock
- 124 layers sand coal & shale
- 140
- 163 gray shale
- 166 soft rock
- 185 shale & 1 ft of coal
- 187 rock
- 238 gray sandstone
- 250 gray sandstone

owner W. McElhyna address Lidger Mont

Driller Francis Boyce address Lidger Mont

Date of Notice of Appropriation of Groundwater

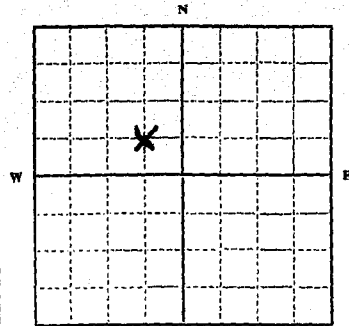
Date well started Aug 5 1963 Date Completed Aug 7 1962

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 3/4"	4" 10.75 lb/ft	0	235	none		



N. 1/4 W. Sec 10. T. 20 R. 60
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

250 ft.

Static Water Level for non-flowing Well 200 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 220 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailer Length of Test 4 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 back to 231 ft

No. 92
Driller's License Number

Francis Boyce
Driller's Signature

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

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

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

STATE OF MONTANA, }
County of Richland, } 88-283898

Filed this 6 day of
Aug A. D. 19 63
at 11:07 o'clock, P. M.

L. J. [Signature]
County Recorder
[Signature]
Deputy

fee: \$2.00
filed

15

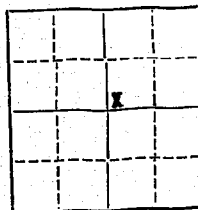
T 20 N R 60 E

County Richmond RECEIVED
JAN 2 1962

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG



Owner Elzer Brunsvoild Address Sidney, Mont. Skaar Rte.

Driller Francis Boyce Address Trotters, N. Dak.

Date Started April 20, 1961 Date Completed April 26, 1961

Location: Sec. 15 T. 20 R. 60 1/4 sec. Center of section

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 21 1/2 ft. Type Line pipe Size 1/2 inch 11 lbs per ft.

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

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

Perforated or Screened: Ft. 172 to ft. 21 1/2 Ft. _____ to ft. _____

Type of screen or perforations 1/2 inch x 6 inch slots

Static Water level, for non-flowing well: 162 feet

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

Pumping water level: 175 feet at 4 gal. per min.

How tested: Bailer test 185 at 8 gallons per minute

Length of test: 3 hours

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	27	Top soil & yellow clay
27	54	Layers of gray shale and thin coal veins
54	57	soft sandstone
57	78	small layers coal and gray shale
78	85	coal
85	162	gray shale thin layers coal and rock
162	169	rock
169	175	shale
175	180	soft sandstone water bearing
180	204	hard gray shale
204	211	soft sandstone water bearing
211	223	hard gray shale
223	230	coal
230	240	soft sandstone water bearing

State of West Virginia
 County of Lincoln
 Filed this 27th day of June, 1922
 at Martinsburg
 W. J. Bland, Register of Deeds.
 294692

File No.

T. 20 N 60 E
County Richland

DUPLICATE

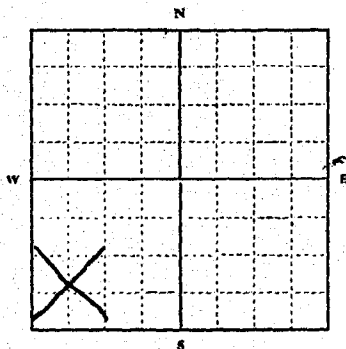
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Floyd E. White of Shaw Rt. 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.W. 1/4 Sec. 22 T. 20 R. 60

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 gallons a 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 Hand milled and cylinder pump

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

8. The depth of water table 30 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. 47 feet deep 2 foot casing wood

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

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 Floyd E. White
Date Dec 31, 1963

This copy 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.

29980

X

211 27 51 00

Some of the
pages are

STATE OF MONTANA, } ss. 286686
 County of Richland, }

Filed this 31 day of
Dec. A D 19 63
 at 2:46 o'clock P.M.
S. J. Hooker
 County Recorder
R. Atchison
 Deputy

fee: 2.00
filed

File No.

T. 20ⁿ R. 60^e

DUPLICATE

County Richland

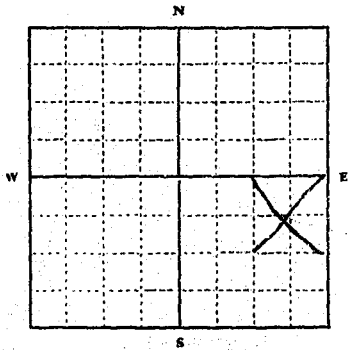
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Floyd E. White of Shear 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:



S.E. 1/4 Sec. 28 T. 20 R. 60

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 house use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1953 in March

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 70 gallons a 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 Electric motor and cylinder pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. March of 1953

8. The depth of water table. 42 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. 50 foot deep and a 8 inch steel casing

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. None

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

Signature of Owner Floyd E. White
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. 29982

00 28 00

STATE OF MONTANA, } ss. 28688
County of Richland, }

Filed this 31 day of

Dec. A. D. 19 1903

at 2:48 o'clock P. M.

E. J. Hooker

County Recorder

R. Johnson

Deputy

fee: 2.00
filed

File No. _____

T. 20ⁿ R. 60^e
County Richland

DUPLICATE

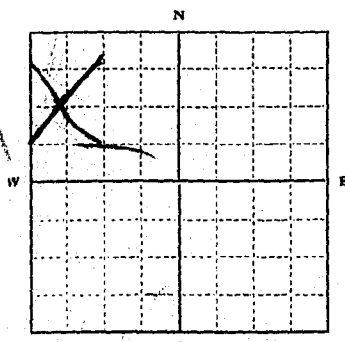
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Floyd E. White of Shannon, 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:



N.W. 1/4 Sec. 28 T. 20 R. 60

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. August of 1962
12 months of the year

4. The amount of groundwater claimed (in cubic inches or gallons per minute) 9 gallons a 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.
Electric pump motor and cylinder pump

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

8. The depth of water table. 16 feet from top of ground well is 108 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. 108 feet deep 4 inch casing steel

10. The estimated amount of groundwater withdrawn each year. 350,000 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 Floyd E. White
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.

29983

11/30/03

STATE OF MONTANA, } ss. 286689
 County of Richland, }
 Filed this 31 day of
Dec. A. D. 19 03
 at 7:49 o'clock P.M.
E. L. Kooker
 County Recorder
B. Atchison
 Deputy

fee: 2.00
 filed

GW

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

File No.

T. 20^N R. 60

DUPLICATE

County. Richland

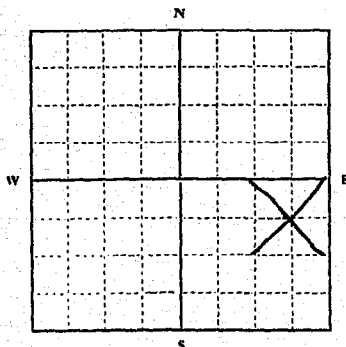
STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE JAN 10 1964
 OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Floyd E. Whited, of Shaan Pt. Sidney
 (Name of Appropriator) (Address) (Town)

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



S.E. 1/4 Sec. 28 T. 20 R. 60

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 live stock and house use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 1959
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gallons a 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 Electric motor and cylinder pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 1959
8. The depth of water table 100 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. 14.5 feet deep 6 inch steel casing
10. The estimated amount of groundwater withdrawn each year 350,000 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

Floyd E. WhitedDate 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.

29981

100 00 00

100 00 00

STATE OF MONTANA, }
County of Richland, } ss. 286687

Filed this 31 day of Dec. A. D. 19 63

at 2:47 o'clock P.M.

R. Johnson
County Recorder

fee: 2.00
filed

Handwritten notes on the left margin, including a large 'X' and illegible text.

Vertical handwritten notes in the middle-left section.

Vertical handwritten notes in the middle-right section.

Vertical handwritten notes on the left side of the stamp area.

Vertical handwritten notes on the right side of the stamp area.

File No.

T. 20^N R. 60^E

DUPLICATE

County Richland

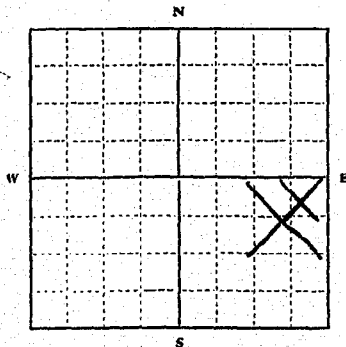
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Floyd E. White (Name of Appropriator), of Shaw Rt. 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:



S. E. 1/4 Sec 28 T. 20. R. 60

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 firestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 gallons a 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 electric motor with cylinder pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1920
8. The depth of water table 24 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 8 feet deep 5 foot wood 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 none
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

Floyd E. White
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.

29979

X

01101 92

1852

10/21/12

STATE OF MONTANA, } ss. 286685
 County of Richland, }
 Filed this... 31 ... day of
 Dec. A. D. 19-12-3
 at... 2:45 ... o'clock... P. M.
 B. K. Koster
 County Recorder
 B. A. Johnson
 Deputy

fee: 2.00
filed

RECORDED
 INDEXED
 12-31-12
 2:45 P.M.
 B. K. KOSTER
 COUNTY RECORDER

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

T. 20N R. 60E 28
County Rickland

Owner Flayd Whited Address Scar Rt

Driller A. J. Macke Address Sidney

Date Started 27 Apr 11 Date Completed 75-59

Location: Sec 28 T. 20 R. 60 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: 155 ft. to _____ ft. Type OT Size 1 in

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

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

Perforated or Screened: Ft. 140 to ft. 155 Ft. _____ to ft. 15 ft. pref

Type of screen or perforations Cut with cut ring mesh

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. 12

How tested: Bailing

Length of test 3 Hours

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	10	yellow clay
10	90	Blue clay
90	124	Quick sand + floating coal
124	140	Blue clay
140	155	sand + water

265586

STATE OF MONTANA
County of Richland

Filed by: Chambers day of June
at 9:30 o'clock A.M. 1962

E. J. ...
County Recorder

File No.

MONTANA WATER RESOURCES BOARD

T. 20 N. R. 60 E. 29

DUPLICATE

RECEIVED

County Richland

LOG

AUG 14 1959

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 15 top soil & clay fill
 15 35 sandy clay
 35 45 fine soft gravel, sand & clay
 45 78 fine clay
 78 94 (top of gray shale)
 94 105 hard gray shale
 105 110 fine sandstone
 110 135 coarse gray sandstone

Owner Dallas Ullman address Fergus Mont

Driller Francis Boyce address Liddy Mont

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

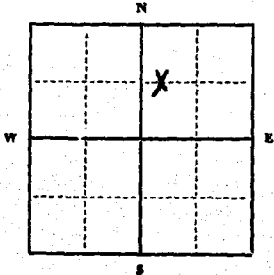
Date well started aug 6 1969 Date completed aug 8 1969

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kid Size	From (Feet)	To (Feet)
4 3/4	4" I.D.	0	112	none		



Static Water Level for non-flowing well 35 feet.

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

Pumping Water Level 55 feet at 25 gal. per minute.

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

How Tested Boiler

Length of Test 2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) this well has an artesian ground

push back to 107 ft down

7-20-69 Sec 29 T. 20 N. R. 60 E.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

135

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, no state, otherwise the form will be returned.

no 92
Driller's License Number

Francis Boyce
Driller's Signature

311619
STATE OF MONTANA, } ss.
County of Richland,

Filed this 12 day of

August A. D. 1969

at 3:55 o'clock P. M.

Helen Gierke
County Recorder

L. Olson
Deputy

200
filed

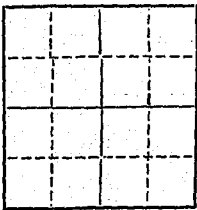
T 20N R 60E 31
County Richmond

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
NOV 24 1958

WATER WELL LOG

STATE ENGINEER



Owner: Sam Ritter Address: Liberty
Driller: Andy Smith Address: 320 P. St. SE, Liberty
Date Started: May 17 Date Completed: May 21 - 58
Location: Sec. 31 T. 60 R. 20 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: 697 ft. to _____ ft. Type: O.D. Size: 6 in
Casing: _____ ft. to _____ ft. Type: _____ Size: _____
Casing: _____ ft. to _____ ft. Type: _____ Size: _____

Perforated or Screened: Ft. 152 to ft. 197 Ft. 45 ft. pipe 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: 15 feet at 12 gal. per min.

How tested: Bailor

Length of test: 2 1/2 hrs

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	22	yellow clay
22	30	Coal no water
30	80	blue clay
90	118	sand coal
118	121	Coal
121	172	blue clay
172	198	sand and water Vain 12 gal per minute
196	197	blue clay

260424
 STATE OF MONTANA,
 County of Richland } ss.
 Filed this 25 day of
 November A.D. 1958.
 at 11:55 o'clock P.M.
 G. J. K...
 County Recorder
 G. Cook
 12/2/58

File No.

T. 19N R. 57E

DUPLICATE

County.....

LOG MONTANA WATER RESOURCES BOARD STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

JUN 30 1969

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

(Under Chapter 237, Montana Session Laws, 1961)

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

0-	5	brown clay
5-	30	yellow clay
30-	41	blue clay
41-	45	coal
45-	70	blue clay
70-	81	blue sandy clay
81-	110	blue clay
110-	132	blue sandy clay
132-	135	blue clay

135' Show exact depth of bottom.

Owner..... Address.....

Driller..... Address.....

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

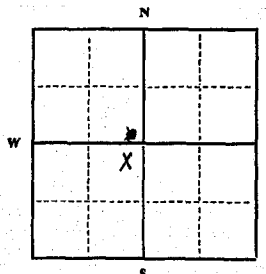
Date well started..... Date completed.....

Type of well..... Equipment used.....

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"	5" 12.75' 280 wall 19.875' 8"	0	135	3/8" holes	120	132



Static Water Level for non-flowing well 110 feet

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

Pumping Water Level..... 132 feet at..... gal. per minute.

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

How Tested..... bailer

Length of Test..... 2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) gravel packed from 30' to 110' and cased from 110' to bottom with 2 1/2" casing.

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

(Continue on reverse side)

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

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

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

Driller's License Number

David Gulbraa Driller's Signature

45383

311054
STATE OF MONTANA, }
County of Richland, } ss.
Filed this 27 day of
June A. D. 1969.
at 10:23 o'clock A. M.
Helen Lierke
County Recorder
Lois Olson
Deputy

200
filed

REC'D
RECORDS

File No. 19N R 57E

County Richmond

DUPLICATE

MONTANA DEPARTMENT OF LANDS AND MINES
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 1956
Owner Bladys Baschard Address Liberty, Mo.
Beach
Contractor (if any) Richmond County Soil
Conservate
Address of Contractor Liberty, Mo.
Date Started 6-6-57 Date Completed 7-33-57

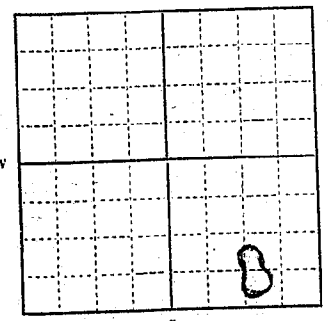
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Storage dam

8 feet

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.....
12 months
10 acre feet

Signature of Owner Bladys Baschard
Date May 15, 1968



1/4 Sec. 2 T19 R57
Indicate point of appropriation and place of use, if possible.

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.

305163
STATE OF MONTANA, } ss.
County of Richland, }
Filed this _____ 15 day of
May A. D. 1968
at 1:09 o'clock P. M.
Helen Gierke
County Recorder
Luis Stanford
Deputy
#2.00
filed

File No.

T. 19 N. 57 E.
County Richland

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

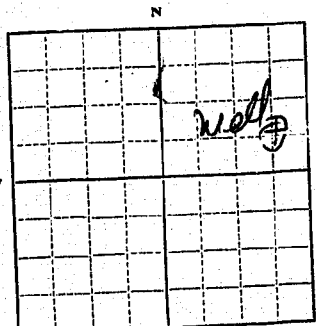
RECEIVED
DEC 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Mr. RENE BARONE, of ST V A G E
(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:



12 Sec. 7 T. 19 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..... unknown
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been..... Stock water well
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... 4 gallon 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..... unknown
- 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..... 1947

8. The depth of water table..... 336 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..... unknown

10. The estimated amount of groundwater withdrawn each year..... well used 2 month each year

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

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

Signature of Owner Rene Barone
Date 12-23-63

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, } ss. 285936
County of Richland, }

Filed this 23 day of

at Dec A. D. 19 63

at 2:20 o'clock, P. M.

E. L. Kosher
County Recorder

D. Sullivan
Deputy

fee: \$2.00
filed

GW

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

File No.

T. 19 N. R. 57 E

DUPLICATE

County. Richland

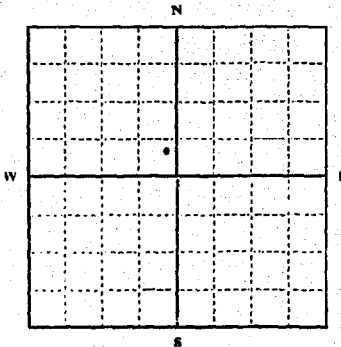
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. ANNA ETZEL, of Box 184, SAVAGE
(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. 7 T. 19 N. 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 & household use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1915

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 ft. of water available to pump dry

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. Graden etc 1/4 acre by tenant: Harold Etzel

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Submersible with 1" drop pipe

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1915

8. The depth of water table. 130 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" casing 190 ft deep

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

11. The log of formations encountered in the drilling of each well if available. Formations unavailable - casing on rock at bottom

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 Anna Etzel

Date 12/30/63

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

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

One copy to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of

STATE OF MONTANA, }
County of Richland, } ss. 286495

Filed this 31 day of

Dec. A. D. 1963.

at 11:35 o'clock P.M.

C. L. Kooker

County Clerk

R. Atchison

fee: 200

filed

File No.

T. 19 N 57 E

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

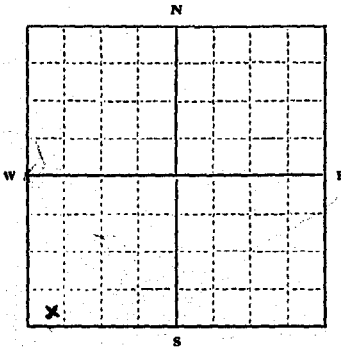
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Kenneth Larsen, of Savage,
(Name of Appropriator) (Address) (Town)
County of _____ State of Montana

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



SWSW 1/4 Sec. 21 T. 19 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 and household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930
Intermittent

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 or 6 gallons per min
more or less

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

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

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 196ft to bottom of well 60ft of 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.
4 in casing to bottom 2 in pump pipe, wooden pump rod

10. The estimated amount of groundwater withdrawn each year unknown

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 Kenneth Larsen

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.

29917

STATE OF MONTANA, } ss. 28623
County of Richland,

Filed this 31 day of
December 11, 1963.

at 1:42 1/2 clock P. M.

W. J. Ricker
County Recorder

W. L. Deake
Deputy

for \$2.00
filed

File No.

T. 19 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)

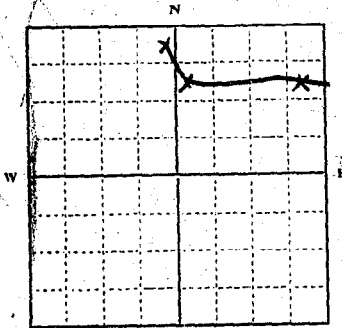
Date of Appropriation of Groundwater.....
Owner Genneth Larsen address Laway, Mont.

Contractor (if any)

Address of Contractor

Date Started Sept 18, 1919 Date Completed Sept 18, 1919

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural process of stream flow from snow or rain



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 year
around use quantity unknown
no flow during dry weather

N 1/2 Sec. 11 T 19 R 57 E
Indicate point of appropriation and place of use, if possible.

Signature of Owner Genneth Larsen

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.

STATE OF MONTANA, } ss. 28628
County of Richland,

Filed this 27 day of
December A.D. 1962

at 1:48 o'clock, P. M.

E. P. Kenner
County Recorder
John Lierke
Deputy

for \$2.00
filed

17

File No.

T. 19 N. 57 E.

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE JAN 10 1964
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. June 25, 1927

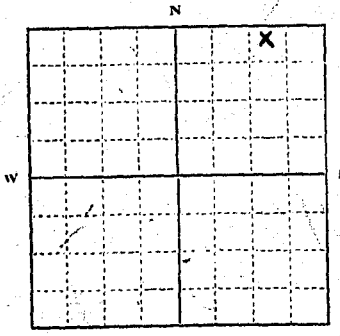
Owner Hennrich Larsen Address Savage, Mont.

Contractor (if any)

Address of Contractor

Date Started June 25, 1927 Date Completed June 25, 1927

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring is damaged up about 12 feet. Overflow is thru spillway.



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. Twelve months each year about 1 inch pipe full

NE 1/4 Sec. 13 T. 19 R. 57
Indicate point of appropriation and place of use, if possible.

Signature of Owner Hennrich Larsen

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.

STATE OF MONTANA, }
County of Richland, } ss. 286627

Filed this 31 day of

December A.D. 19 63

at 1:42 o'clock P.M.

L. Cooper
County Recorder

Della Sherke
Deputy

for 2.00
filed

Gw:

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

File No. _____

T. 19^N R. 57^E 6

DUPLICATE

County Richland

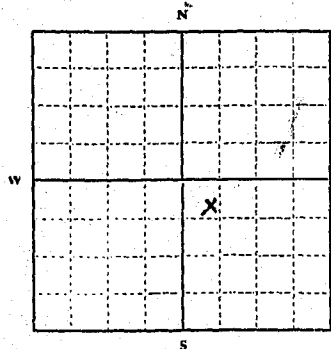
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Kenneth Larson of Savage
(Name of Appropriator) (Address) (Town)
County of _____ State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 14 19 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 stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 22, 1913

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 or 6 gallons per min
more or less

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 22, 1913

8. The depth of water table 200ft to bottom of well 60ft of 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
4 in casing down 30 to 60 ft. Balance of casing is 3 in. for
1 1/4 in. pump pipe

10. The estimated amount of groundwater withdrawn each year unknown

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 Kenneth Larson
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.

29916

STATE OF MONTANA, } ss. 286622
County of Richland, }

Filed this 31 day of
December A. D. 1962

at 1:42 o'clock P. M.

Wm. J. Fisher
County Recorder
Helen Luerke
Deputy

filed

GW 3

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

File No.

T. 19^N R. 57^E

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

D
JAN 10 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....
Owner Herbert Larsen Address Lawyer, Mont.

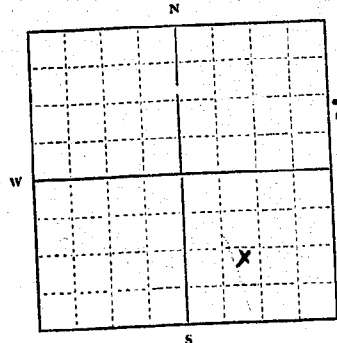
Contractor (if any)

Address of Contractor

Date Started April 22, 1913 Date Completed April 22, 1913

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Box 4' X 4' with

3/4" pipe or larger, about 2'



SW 1/4 SE 1/4 Sec. 14 T. 19 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 year

around use about 1/2 in
pipe full

Signature of Owner Herbert Larsen

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.

STATE OF MONTANA, } ss. 286626
County of Richland,

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

at 6:46 o'clock P.M.

E. J. Larkes
County Recorder

Walter Luerke
Deputy

Fee 2.00
filed