

File No.

MONTANA WATER RESOURCES BOARD

T. 20 N R. 57 E 21

DUPLICATE

RECEIVED

County Richland

LOG

SEP 11 1967

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)

0-14 brown clay
144-145 gravel sand
148-149 yellow clay
154-157 coal black shale
157-162 grey sandy shale
162-165 grey shale
165-171 grey shale sand
171-176 grey shale
176-183 grey sandy shale
183-188 grey-brown shale
188-194 grey shale
194-200 brown shale
200-207 grey sandy shale
207-214 grey shale thin vein
214-220 of coal
220-226 grey shale
226-236 grey black shale coal
236-239 grey shaly sand
239-245 coal
245-251 grey shale
251-253 hard shell
253-254 grey-green sandy shale 6"
254-256 hard shell
256-262 sandstone water 10 g.p.m.

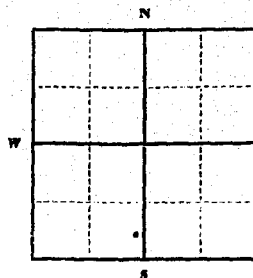
Owner Lee Lange Address Gavage, MontDriller Gulbrae Drig Co Address Sidney, Mont

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

Date well started 12 July 1967 Date completed 18 July 1967Type of well drilled Equipment used churn
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
				none		

Static Water Level for non-flowing well
230 feet.

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

Pumping Water Level 10 feetat 325 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested ballerLength of Test 2 hours

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

gravel-packed 383-392submersible pump set at 360 ft 1 1/2 h.p.

(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).

262 Show exact depth of bottom.

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

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

Gulbrae Drig Co 294
Driller's License Number

Driller's Signature

42,298

302378

302378

STATE OF MONTANA, }
County of Richland, }

Filed this 8 day of

Sept. A. D. 1967

at 11:55 o'clock P. M.

Helen Gerke

County Recorder

Louis Stanford

Deputy

Filed

200

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

T. 20 N. R. 57 E. 20
County Richland

Owner E. A. Struckman Address Savage Mont
Driller Gene Gulbraa Address Sidney Mont
Date Started April 12, 1958 Date Completed April 17, 1958
Location: Sec. 20 T. 20 R. 57 1/4 sec. South Half of Sec 20

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

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

Casing: 0 ft. to 122 ft. Type steel Size 4 1/2"
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 93 to ft. 116 Ft. _____ to ft. _____

Type of screen or perforations 1/4 and 3/8 holes

Static Water level, for non-flowing well: water comes 5.6 ft from top feet.

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

Pumping water level 5.6 feet at 6 gal. per min.

How tested: pump

Length of test 1 hr

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

(over)

Log of Well

[illegible]

GW

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

File No. _____

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

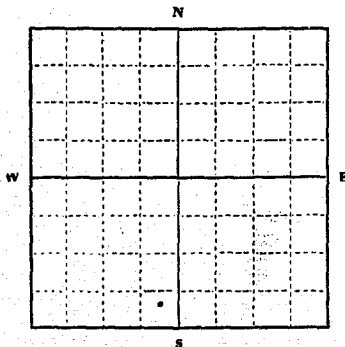
T. 20 N R 57 E
County Richland

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Leo A. Lange, of 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:



Sw 1/4 Sec 21 T20 R57

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 stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 30, 1956

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 20th, 1956 to June 30, 1956

8. The depth of water table 115 feet - 20 feet 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 6 inch casing 115 feet deep

10. The estimated amount of groundwater withdrawn each year 54,750 gallons

11. The log of formations encountered in the drilling of each well if available
dirt, gravel, clay and coal

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

Signature of Owner Leo A. LangeDate Dec 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.

297'3

286419

STATE OF MONTANA, } ss.
County of Richland,

Filed this 31 day of

Dec. A. D. 1963

10:19 o'clock.

E. L. Karker

County of

Richmond

Fee: 2.00

filed

File No.

T. 20 N. R. 57 E.

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

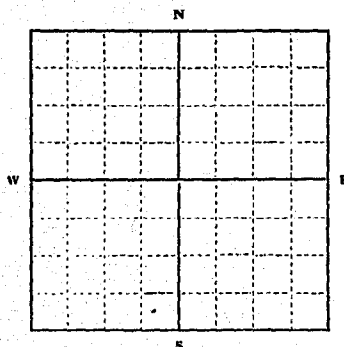
JAN 20 1964

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Leo A. Lange (Name of Appropriator), of Savage (Address)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 34 Sec. 21 T. 20 R. 57

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

2. The beneficial use on which the claim is based. household and stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. November 1917
steady
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump and electric motor
previously a windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater November 1917
8. The depth of water table 20 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 10 inch casing 105 feet deep
10. The estimated amount of groundwater withdrawn each year 164,250 gallons
11. The log of formations encountered in the drilling of each well if available silt gravel
clay and coal
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record no other information

Signature of Owner Leo A. LangeDate Feb 31-13

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.

29714

286420

STATE OF MONTANA. } ss.
County of Richland, }
This date 31 day of
Dec. A.D. 1963
at 10:20 o'clock P.M.
E. L. Hooker
County Rec.
B. Atchison
Deputy

See: 222
filed

File No.

DUPLICATE

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Covered Wagon Ranch Address Savage, Mont.Driller G Moe Address Moxted

Date of Notice of appropriation of groundwater

Date well started Dec. 15, 69 Date completed Dec. 29 69Type of well Drilled Equipment used Rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	5" 12'	0	143	NONE		
5"	2" 3.4'	143	1110	5 1/2" 4x6"	1058	1110

Doc. No. 213348

Filed for record

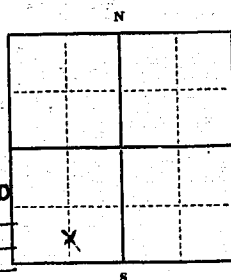
this 12 day of JanuaryA. D. 19 70, at 2:45o'clock P M.

C124

Gray

MONTANA WATER RESOURCES BOARD

Dir. _____ Pln. _____
Adm. _____ Inf. _____
Eng. _____ Brd. _____
WRD _____ RBC. _____
ECO _____ WSW _____
Lgt. _____ CON _____



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

Static Water Level for non-flowing well N.A. feet.Shut-in Pressure for Flowing Well N.A. feetPumping Water Level N.A. feet
at N.A. gal per minute.Discharge in gal. per min. of flowing well 25-30How Tested N.A.Length of Test N.A.Remarks: (Gravel packing, cementing, packers, type of shutoff) Cemented at 140-160'140-160'

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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 309Driller's Signature Serald Moe46043

313348

STATE OF MONTANA, ss.
County of Richland,

Filed this 12 day of

January D. 19 70

at 2:45 o'clock P.M.

Helen Dierke
County Recorder

Deputy

For 200
filed

12961

RECEIVED

12961

12961

RECEIVED

JUN 4 1970

T 20N 57E 2

County Richland

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1963

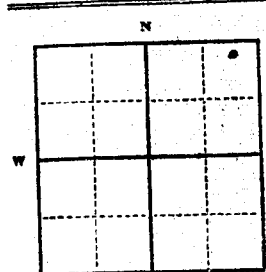
(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level 2120')
20-100 topsoil
20-101 gravel
20-102 blue clay
20-103 rock
20-104 blue clay
20-105 sand
20-106 rock
20-107 blue clay
20-108 sand
20-109 white shale
20-110 rock
20-111 sand
20-112 grey sandy shale
20-113 rock
20-114 blue shale
20-115 sand
20-116 grey shale
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Owner: Covered Range Ranch Address: Covered Range Ranch
Driller: L.V. Gullberg Address: Sidney, Montana
Date of Notice of appropriation of groundwater: 5/12/70
Date well started: 5/12/70 Date completed: 5/12/70
Type of well: drilled Equipment used: Churn drill
(Dug, driven, bored or drilled)
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 1/2"	5" 15.4 lb.	0	10	3/8"	10.5'	10.5'
8 1/2"	5" 15.4 lb.	0	10.5'			



Static Water Level for non-flowing well: _____
Shut-in Pressure for Flowing Well: 27.4'
Pumping Water Level: _____
at _____ gal. per minute.
Discharge in gal. per min. of flowing well: 25.0 gpm
How Tested: Flow test with drill pipe
Length of Test: 15 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) 25' to 10.5'
Indicate location of well and place of use, if possible. Each small square represents 40 acres.
NE 1/4 Sec 25 T 20 R 57
Will head is equipped with a shut-off valve

Doc. No. 315228
Filed for record this 2 day of June 1970 at 10:29 o'clock A.
A. D. 1970 at 10:29 o'clock A.
(Continue on reverse side)
USE If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.
This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Driller's License Number _____
Driller's Signature: David Gullberg
246517

STATE WATER CONSERVATION BOARD

File No.

MAY 20 1966

T. 20 N. R. 57 E. 25

DUPLICATE

County Richmond
 Bill McDermott
 Co. McNulty
 D. Morton
 Director Sullivan

 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-Braked & sand
 15-16 Hard coal
 16-21-Gray clay
 21-33-Silty gray clay
 small pieces of si.
 33-76-Gray sticky clay
 76-78-coal w/ clay
 78-80-Hard coal
 80-94-Gray sandy cl. w/ coal
 94-95-Hard coal-2' thick
 95-103-fine sandy clay
 103-108-gray cl.
 108-109 Hard gray rock
 109-115-Gray clay
 115-116 Hard coal
 116-118-med. hard yellow fine 4 1/2"
 118-133-gray cl.
 + 33-160-fine sandy cl.
 160-195-fine sharp sand
 w/ hard stringers.

Owner Alco Ranches Address Sidney, Mont.
 Driller Alvin Waterman

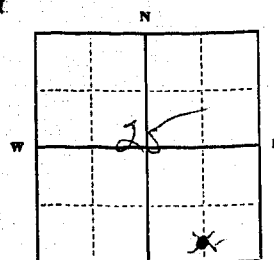
Date of notice of appropriation of groundwater.....

Date well started 3-14-66 Date completed 3-16-66
 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)
" "	4" X 9 1/2"	0	112			
" "	2" X 3.6"	94	195	1 1/2" Hole	160	195

Static Water Level for non-flowing well 28 feet.

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

Pumping Water Level..... 32 feet
at 25 gal. per minute.

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

How Tested BailedLength of Test 3-HrsRemarks: (Gravel packing, cementing, packers, type of shutoff) Packer

Sec. 24, T. 20 N. R. 57 E.
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

on 2' P. 112' less
than 3 gal. per min.
Some water taken at hole 160

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Driller's License Number

Alvin Waterman
 Driller's Signature

41572

STATE OF MONTANA, } ss. 297129
County of Richland,

Filed this 19 day of
May A. D. 1966
at 11:46 clock A. M.

E. L. Keadle
County Recorder
D. Sullivan
Deputy

#20
filed

File No.

T. 20 N.R. 57 E.

DUPLICATE

County. Richland

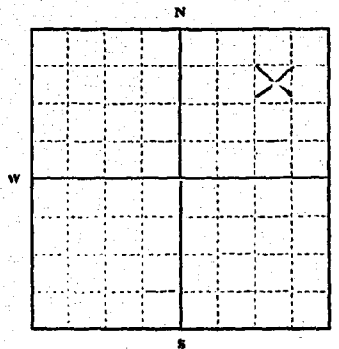
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Alco Ranches, of 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. 25, T. 20, R. 57 E.

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

2. The beneficial use on which the claim is based
livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1958 and continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2,000 gallons per day
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
windmill type pump
NE 1/4 Sec. 25, Twp. 20, N. Rge. 57 E.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1958
8. The depth of water table 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 windmill type 6 inch metal casing about 140 feet deep
10. The estimated amount of groundwater withdrawn each year 200,000 gallons per year.
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

ALCO RANCHES

Signature of Owner.

Eugene J. Larson
Vice President

Date December 26, 1963

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

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

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

29398

286068
STATE OF MONTANA, } ss. 286069
County of Richland.

Subscribed and sworn to before me this 27 day of December, 1963.

E. L. Hocking
County Recorder

for 200
filed
Deputy

MONTANA WATER RESOURCES BOARD
Water Resources Division
Mitchell Building
Helena, Montana 59601

MONTANA WATER RESOURCES BOARD
RECEIVED
AUG 18 1970

Recently a copy of a groundwater appropriation form,

- ☐ GW 1, Notice of Appropriation of Groundwater
- ☒ GW 2, Notice of Completion of Groundwater Appropriation by means of Well
- ☐ GW 3, Notice of Completion of Groundwater Appropriation without Well
- ☐ GW 4, Declaration of Vested Groundwater Rights (This form is obsolete and was limited by law to use only through 1965)

was forwarded to this office by the County Clerk and Recorder.

This form is identified by

Owner Covered Wagon Ranch Address Savage, Montana
Location _____ Document No. 315228

☐ This is to inform you that your GW form has been received and is complete as filed.

☒ This is a request for additional information if available. Please complete the enclosed copy by providing information where indicated, or as noted here and return the corrected copy to the Montana Water Resources Board in Helena.

Please indicate the location of the well on the enclosed form.

☒ Other.

The appropriator of groundwater by means of a natural flowing water well should be aware that waste of groundwater is prohibited and that "all flowing wells are to be capped or equipped with valves that the flow of water can be stopped when the water is not being put to beneficial use." (Section 89-2926, under Chapter 237, Montana Session Laws, 1961.)

T. 20 N. R. 5 E 28
County Richland

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUL 5 1960

WATER WELL LOG

STATE ENGINEER

Owner Louis Lange Address Garage, Mont
Driller David Gulbransen Address Idley, Mont
Date Started 1-30-60 Date Completed 5-15-60
Location: Sec. 28 T. 20 N. R. 5 E 1/4 sec. 1560

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

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

Casing: 0 ft. to 148 ft. Type steel Size 6"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 85 to ft. 148 Ft. to ft.

Type of screen or perforations 2 1/2' holes

Static Water level, for non-flowing well: 138 feet.

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

Pumping water level: 138 feet at 2 gal. per min.

How tested: Back

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	22	Sand & Gravel
22	44	Clay & Sand
44	52	Coal
52	89	Blue Clay
89	112	Blue Sandy Clay
112	116	Hard sand
116	136	Blue clay
136	147	Blue sandy clay
147	148	Blue clay
		Price \$ Per foot

267986

STATE OF MONTANA,
County of Richland,

I, _____
County Recorder
do hereby certify that the foregoing is a true and correct copy of the record as same appears from the records filed for recording.

Dated at _____ A.D., 19____.
Filed this ____ day of _____, 19__.

No fee

Deputy County Recorder

File No.

T. 20 N. R. 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 by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
to 2' ft. gravel (Elev. above sea level 1945)
to 14' yellow clay
to 35' soft yellow clay
to 55' gravel & sand mixed
to 64' yellow sand
to 116' dark brown sand
to 134' gray coarse sand
to 143' coarse green sand
to 145' gray coarse sand
to 145 1/2' coal
to 177' light gray sand
to 190' gray sand
to 192' rocky coarse gray sand - and lots of water here - end of well.

La Londer.
Owner A. L. C. Ranches Address Lawrence, Montana
Driller Ray J. Petersen Address Libney, Montana
Date of Notice of Appropriation of Groundwater Oct. 5 - 1963
Date well started 9-6-'63 Date Completed 9-19-'63
Type of well Drilled Equipment Used Churn Drill
(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)
6 inch	4 1/2" O.D.	surface	192	none		
	wt. 7.75 per ft.			water enters well casing at bottom		end.

Static Water Level for non-flowing Well 90 feet.Shut-in Pressure for Flowing Well not the casePumping Water Level 170 feet at 6 gal. per minute.Discharge in gal. per min. of flowing well not the caseHow Tested Drill Bailer 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) Well Casing is cemented at ground level for support & sanitation

SW 1/4 Sec. 26 T. 20 N. R. 57 E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

192 feet
Show exact depth of bottom.

Driller's License Number 111

Ray J. Petersen
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.

29407

286075

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

Filed this 27 day of December D. 1963

at 1:35 o'clock P.M.

E. L. Lusk
County Recorder
Heber Lusk
Deputy

for \$2.00
filed

GW

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

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County Richland

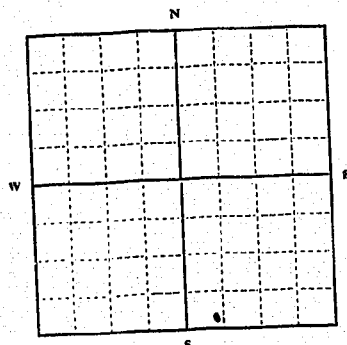
JAN 10 1964

STATE ENGINEER

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:



SE 1/4 Sec. 27 T.20 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 and household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1951

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 85 ft. of water - variable pump draw

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 and lawn - 1/2 acre by Robert Etzel

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Fall 1951

8. The depth of water table 133 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 bench casing 218 feet deep

10. The estimated amount of groundwater withdrawn each year 500,000 gal.

11. The log of formations encountered in the drilling of each well if available 8 ft. dirt, 12 ft. gravel, trace of clay then sand to depth

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

Signature of Owner Anna Etzel

Date 12/30/63

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

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

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

2979

STATE OF MONTANA, } ss. 286496
County of Richland, }

Filed this 31 day of

Dec. A D 1963

at 11:36 o'clock A. M.

B. L. Krooken

County Clerk

B. Atchison

Deputy

Fee: 2.00

filed

File No.

T. 20 N. R. 5-7 E.

DUPLICATE

County Dickland

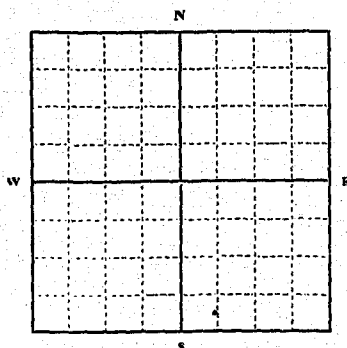
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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



SE 1/4 Sec. 7 T. 20 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 watering
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1923
4. The amount of groundwater claimed (in miner's inches or gallons per minute) originally 90 ft demand to 80 ft.
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 lift pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1923
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 inch casing 210 ft. deep
10. The estimated amount of groundwater withdrawn each year 200,000 gal
11. The log of formations encountered in the drilling of each well if available Exact formation unavailable but is mainly sand
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 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.

29791

STATE OF MONTANA, } ss. 286497
County of Richland, }

Filed this 31 day of

Dec. A.D. 1963

at 11:37 o'clock P.M.

E.L. Koker

County Clerk

R. Atchison

Deputy

fee: 2.00
filed

On

File No.

DUPLICATE

T. 20 N. R. 57 E.

County Richland

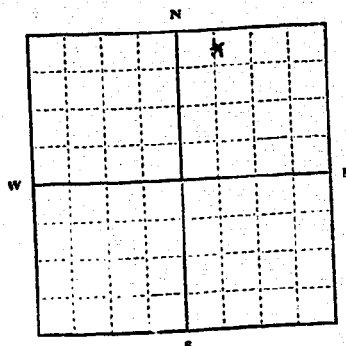
JAN 10 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. OTTO M. Lange, of Lawson (Address) Lawson (Town)
(Name of Appropriator)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



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

2. The beneficial use on which the claim is based Stock raising
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov 20 - 1944
Continuously
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
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 by pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Drilling started Oct 25, 1944
Completed Nov 20, 1944
8. The depth of water table 80 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 2 1/2 in hole 104 ft deep
10. The estimated amount of groundwater withdrawn each year 100,000 gal
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record no other information

Signature of Owner OTTO M. Lange
Date 12-21-63

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.

29894

286600

STATE OF MONTANA, } ss.
County of Richland,

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

at 1:20 o'clock, P.M.

E. L. Harker

County Recorder

E. L. Harker

Deputy

for \$2.00
filed

File No.

T. 20 N. R. 57 E.

DUPLICATE

County Richland

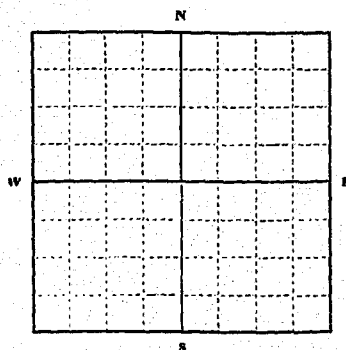
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights — ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Jack Spithoven, of Pt. 2 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.E. 1/4 Sec. 30 T. 20. R. 57

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

2. The beneficial use on which the claim is based household + livestock drinking water
3. Date or approximate date of earliest beneficial use, and how continuous the use has been 1910 - well has been in continuous use since 1910
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1,000 gallons per day
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1910

8. The depth of water table 105 feet

9. So far as it may be available, the type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater Hand-dug well - 36 inch wood curbing on top part may be smaller below 11.2 feet deep to 1.55 feet to water table - 7 foot reservoir

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 Not recorded

Signature of Owner Jack Spithoven
Date Dec, 27, 1963

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

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

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

29422

286097

STATE OF MONTANA, } ss.
County of Richland,

Filed this 27 day of
December A. D. 1963
at 2:17 o'clock, P.M.

E. L. Kooker
County Recorder
E. Cook
Deputy

for \$200
filed

File No.

DUPLICATE

T. 20 N. 5 E. 30

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JUN 16 1964

Top of Ground

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

0-19 Gravelly clay
 19-22 Gravel
 22-27 Sand & sandy clay
 27-33 Coal
 33-40 Silty clay
 40-47 1/2 Hard coal
 47-50 Grey clay / coal str.
 50-53 Silty clay / coal str.
 53-56 Hard coal
 56-59 Silty clay / coal str.
 59-62 Hard coal
 62-65 Silty clay / coal str.
 65-68 Clay
 68-71 Sandy clay
 71-74 Med. soft fine sandstone
 74-77 Coal str.
 77-80 Clay
 80-83 1/2 Hard coal

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

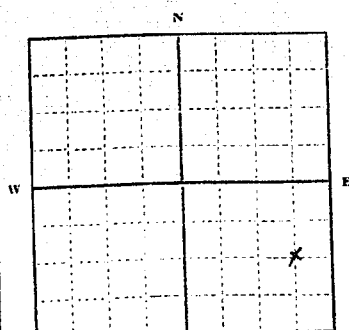
Owner Ed Norgard Address Salage, Mont.Driller Adrian Waterbury Address Blaine

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

Date well started 5-12-64 Date Completed 5-14-64Type of well Drilled Equipment Used Rotary
(dug, driven, bored or (Churn, drill, rotary or drilled) other)Water Use: Domestic ☒ Municipal ☐ Other ☐
Industrial ☐ Drainage ☐ Stock ☐ Irrigation ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4 1/2 x 9 5/8	0	206	hard sand	190	206



S E 1/4 Sec. 30 T. 20 R. 37

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 90 feet.

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

Pumping Water Level 180 feet at 10 gal. per minute.

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

How Tested Bailed Length of Test 3-Hrs.

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

Driller's License Number 61Driller's Signature Adrian Waterbury

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.

32188

STATE OF MONTANA }
County of Richland, } No. 289277

Filed this 15 day of June A. D. 1916

at 4:05 o'clock P. M.
E. L. Lasher
County Recorder

A. Sullivan
Deputy

See #20
Filed

File No.
DUPLICATE

T. 20 N 57 E
County Richland

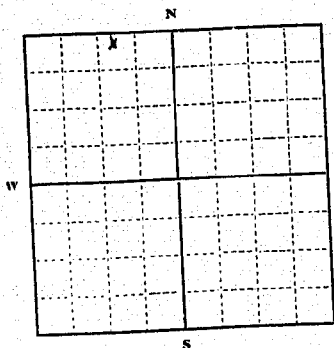
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jack Spithoven, of Box 2 Swage
(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. 30 T. 20 R. 57

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

2. The beneficial use on which the claim is based Household livestock drinking & irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1910 - Well has been in continuous use since 1910
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1000 gallons per day
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 4 acre garden NW 1/4 of NW 1/4 Sec 30 T 20 R 57
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 1910
8. The depth of water table 9.2 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 Bored well - 16 inch steel casing - 102 feet deep - 9.2 feet to water table 8 foot diameter
10. The estimated amount of groundwater withdrawn each year 365,000 gallons
11. The log of formations encountered in the drilling of each well if available Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not recorded

Signature of Owner

Jack Spithoven
Date Dec, 27, 1963

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

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

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

29423

286098

STATE OF MONTANA,
County of Richland, } ss.

Filed this 27 day of

December A D 1963

at 2:19 o'clock, P. M.

E. L. Kooker
County Recorder

E. L. Kooker
Deputy

fee \$2.00
filed

File No.

DUPLICATE

LOG

RECEIVED

MAY 26 1969

T. 20 R. 57 30
County RichlandSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDNotice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1963

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

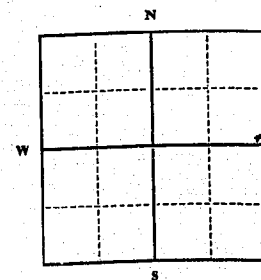
Owner Jack Spithoven Savage Address Box 1183 - Ell.
Driller C. H. Starr Address Box 1183 - Ell.

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

Date well started May 1 - 69 Date completed May 15 - 69Type of well drilled Equipment used Cable tool
(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)
4"	4"	0				
	11#		133			
	per ft					

Static Water Level for non-flowing well 127 feet.

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

Pumping Water Level 132 feetat 3 1/2 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BailerLength of Test 1 hr.

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

SE 1/4 Sec. 30 T. 20 R. 57

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).

160 Show exact depth of bottom.

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

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

168
Driller's License NumberC. H. Starr
Driller's Signature

45,270

310595
STATE OF MONTANA, }
County of Richland, } ss.

Filed this 21 day of May A. D. 1969
at 3:30 o'clock, P.M.
Helen Sherke
County Recorder
Lisa Olson
Deputy

200
filed

File No.

DUPLICATE

T. 20 N. R. 57 E.

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

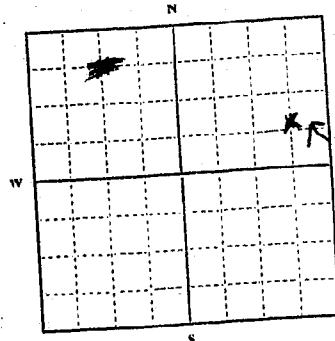
STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec. 31, 1960
Owner Clark Bros Address Savage Mont.
Contractor (if any) Richland CO A.S.C.
Address of Contractor Savage Mont.
Date Started July 1, 1963 Date Completed July 10, 1961

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



N 1/4 E Sec 31 T 20 R 57
Indicate point of appropriation
and place of use, if possible.

Spring in large dam

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.

Just stock water at
apt.

Signature of Owner Clark Bros

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. 286443
County of Richland, }

Filed this 31 day of

December A. D. 19 63

at 10:43 o'clock, P. M.

E. R. Kooner
County Recorder

E. Cook
Deputy

Fee \$2.00
Filed

File No. _____

T. 20 N. R. 57 E. 30

MONTANA WATER RESOURCES BOARD
TRIPLICATE

County Richland

RECEIVED

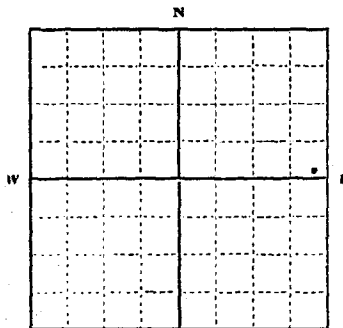
MAY 26 1969

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



SE 1/4 NE Sec. 30 T. 20 N. R. 57 E.

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 for irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been May 15, 1969
- The amount of groundwater claimed (in miner's inches or gallons per minute) 15-20 gpm
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 38-20-21
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal

- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 15, 1969
- The depth of water table 160 feet
- 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
- The estimated amount of groundwater withdrawn each year 2,500,000 gallons
- The log of formations encountered in the drilling of each well if available gravel - 26-47 sand & silt - 51-54 1-55 sand & silt - 55-62 gravel - 62-64 sand & silt - 64-66 145-150 sand & silt - 150-152
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book _____ of any county record

Signature of Owner Jack Spithoven
Date May 15, 1969

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.

45,271

STATE OF MONTANA, } ss. 310596.
County of Richland,

Filed this 21 day of
May A. D. 1919
at 4:25 o'clock, P. M.

Allen Bierke
County Recorder
John Palodichuk
Deputy

File No.

T. 20 N 51 E

DUPLICATE

County

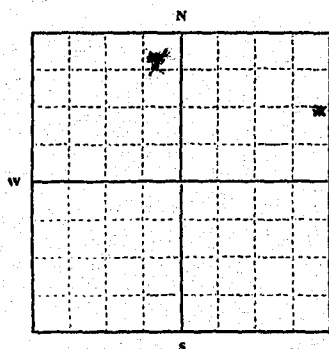
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 20 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Clark Bros., of P.O. Box 7 SAYAGE
(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 1/4 Sec. 31 T. 20 N. 51 E.

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1914
Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 gals.

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

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 1914

8. The depth of water table 65 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 2 1/2 in 65 ft.

10. The estimated amount of groundwater withdrawn each year 20 000 gal

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

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

Clark Bros.Date Jan 2, 1964

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.

30075

286781

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

Filed this 2 day of
January A. D. 1964.
at 9:18 o'clock, P. M.
E. L. Kooker
County Recorder
E. L. Kooker
Deputy

Fee \$2.00
filed

File No.

RECEIVEDT. 20N R. 57E 31

DUPLICATE

NOV 25 1969

County Richland

LOG

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)

0-14 yellow clay
 14-54 scorio
 54-110 blue clay
 110-131 brown clay
 131-207 blue clay
 207-236 coal
 236-251 blue clay
 251-268 blue sandy clay
 268-272 blue clay

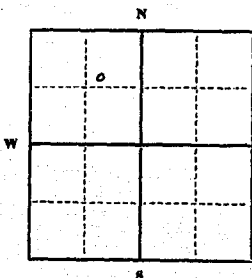
Owner Bob Lange Address Sidney, MontanaDriller David Gulbra Address Sidney, Montana

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

Date well started 10/5/69 Date completed 10/16/69Type of well Grillie Equipment used churn
 (Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
 Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 1/2"	42" OD x 4" ID 12 1/2' WT	0	165	7	0	165

Static Water Level for non-flowing well 245 feet.

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

Pumping Water Level 251 feet at 2 gal. per minute.

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

How Tested backedLength of Test 2 hoursRemarks: (Gravel packing, cementing, packers, type of shutoff) wood pack

NW 1/4, N. Sec. 31, T. 20, R. 57
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Driller's License Number

David Gulbra
 Driller's Signature.

45910

STATE OF MONTANA, } 3/27/3
County of Richland,

Filed this... 25... day of
November A. D. 1929

at 11:45 o'clock, A.M.

Helen Gierke

County Recorder

Lois Olson

200
filed

RECEIVED
OFFICE OF THE
COUNTY CLERK
COUNTY OF RICHLAND
MONTANA
NOV 27 1929

RECEIVED

NOV 27 1929

File No.

T. 24 N. R. 57 E. 32

DUPLICATE

County Richmond

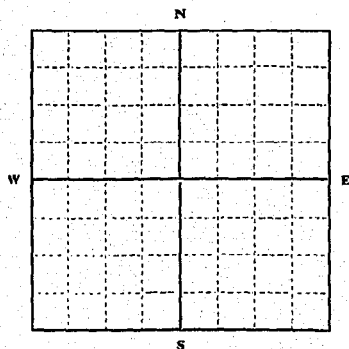
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights - ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. John Carville, of Savage (Name of Appropriator) (Address) (Town)
County of Richmond 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 Irrigating
and domestic consumption, stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Well 22-1 - 1925 - Well 22-2 - 1958
Continuous since above dates

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 22-1 - 6 gpm 22-2 - 7 gpm

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
400 acres - Savage well 22-1
John Carville - owner
Sec. 32 - 20 - 67

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 Commencement and completion
Well 22-1 - 1925, Well 22-2 - 1957

8. The depth of water table Well 22-1 - 12 ft., Well 22-2 - 26 ft.

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

Well 22-1 - 50 ft. deep - 2 1/2" diameter
Well 22-2 - 90 ft. deep - 2 1/2" diameter

10. The estimated amount of groundwater withdrawn each year 22-1 - 146,200 gal, 22-2 - 287,430

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 John CarvilleDate Nov 27 - 1963

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

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

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

29380

STATE OF MONTANA, } ss. 28605/
County of Richland, }

Filed this 27 day of
December A. D. 1963

at 12:46 o'clock, P. M.

E. L. Kosku
County Recorder

E. L. Kosku
Deputy

fee \$2.00
filed

RECEIVED

OCT 14 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 20N R. 57E 32
County: Richland

WATER WELL LOG

		X	

Owner: Forest Cornwell Address: Savage, Mont.
Driller: Tom Shuster Address: Savage, Mont.
Date Started: Sept. 12, 1958 Date Completed: Sept. 17, 1958
Location: Sec. 32 T. 20 R. 57E 1/4 sec. SE

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

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

Casing: 1 1/2 inch ft. to 70 ft. Type: Culvert Size: _____
Casing: _____ ft. to _____ ft. Type: _____ Size: _____
Casing: _____ ft. to _____ ft. Type: _____ Size: _____

Perforated or Screened: Ft. 20 to ft. 70 Ft. _____ to ft. _____

Type of screen or perforations: holes punched in

Static Water level, for non-flowing well: 58 feet feet.

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

Pumping water level: 58 feet at 5 gallons gal. per min.

How tested: _____

Length of test: runned with ordinary pump

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

(over)

[illegible]

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

Filed this 8 day of

October A. D. 1958

at 10:40 o'clock, 7 M

E. Z. Karker

County Recorder

6/29/69

Deputy

RECEIVED

MAY 18 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 20N R. 57E 34
County RICHLAND

WATER WELL LOG

Owner Nobel F. Seaver Address Wahpeton, Ind.
Driller David Gulbron Address Sidney, Mont.
Date Started 10-18-58 Date Completed 5-18-59
Location: Sec. 34 T. 20 R. 57 1/4 sec. SW

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

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

Casing: 0 ft. to 151 ft. Type Steel Size 6 5/8

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: 28 FT. from T.O.P. feet.

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

Pumping water level 28 feet at 20 gal. per min.

How tested: Bail

Length of test 5 Hours steady

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

Gravel packed in bottom

(over)

Log of Well

[illegible]

File No. 1T. 20N 57E

DUPLICATE

County Richland

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

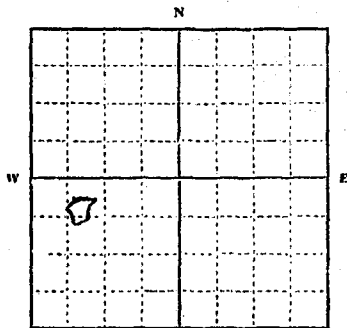
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1-1-58Owner Wagon Bladen Address Liberty, Mont.Contractor (if any) Richland County SoilAddress of Contractor Liberty, Mont.Date Started 1-1-58 Date Completed 1-10-58

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

13 1/2 feet - Water depth
Storage dam



18V Sec 35 T20 R57

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.

12 Months

26 acres feet

Signature of Owner Wagon BladenDate May 15, 1968

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.

305162
STATE OF MONTANA, }
County of Richland, }

Filed this 75 day of

May A. D. 1968

at 1:08 o'clock P. M.

Helean Lierke
County Recorder

Louis Stanford

\$2.00

filed

JW 1

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

File No. 1

T. 20 N. R. 57 E

DUPLICATE

County Richmond

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 10-8-57

Owner Harold Bradley Address Liberty, Mont

Contractor (if any) Richmond County Soil Conservation

Address of Contractor _____

Date Started 10-8-57 Date Completed 12-30-57

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

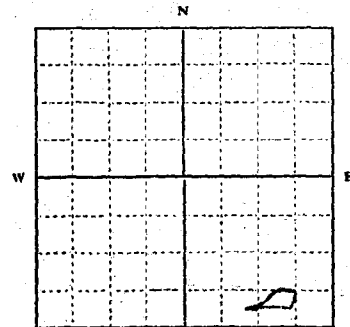
13 feet 5 inch
Storage dam

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 each year
32.9 cfs per ft

Signature of Owner Harold Bradley

Date May 15, 1968



1/4 Sec. 36 T. 20 R. 57
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.

44.140

305161

STATE OF MONTANA }
County of Richland, }

Filed this 15 day of

May A. D. 1968

at 1:07 o'clock P. M.

Walter Lierke
County Recorder

Lois Stanfield
Deputy

2.00

filed

County RichlandTwp. 20NRge. 58E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Nelson, Charles	GW 4	286237	
1	" "	4	286238	
2	Schmeirer, Karl	4	286952	
3	Pust, Waldo	GW 2	324709	
3	" William O.	GW 4	286304	
4	Narina, Goldie Anderson	4	286183	
4	Pust, Waldo	well log	271096	
8	Pust, William O.	GW 4	286306	
9	" " "	4	286305	
10	Schmitt, E.R. Adamson C.E.	4	286943	
11	Darnall, Allen T.	4	286362	
11	" " "	4	286363	
11	" " "	4	286361	
12	Schmierer, Karl	4	286951	
13	Redman, Karmey J	4	286008	
15	Almond, John E.	4	286280	
15	Kuaster, Herbert V.	4	286616	
16	Canradson, Niels P.	4	286484	
19	Seever, Robert W.	GW 3	285844	
19	" " "	GW 4	285845	
19	" " "	4	285846	
19	" " "	4	285847	
20	Bates, Elmer	4	286036	
20	" "	4	286037	
22	Bach, Clifford W.	4	286181	
22	" " "	4	286182	
25	Redman, Karmey J	4	286006	
28	Canradson, Niels P.	4	286483	
29	Covered Wagon Ranch	GW 2	316186	
29	Waga, Rachel R.	GW 4	286446	
30	Alca Ranches	4	286070	
30	Covered Wagon Ranch	GW 2	316185	
31	Basshard, Dal Par Gladys	GW 4	285780	
31/32	Hilliard, Russell	4	286703	
32	Larson, Oscar S.	4	286978	
32	" " "	4	286979	
32	Netochka, E.A.	well log	265000	
32	Seever, Ida L.	GW 4	286498	
32	Tieszen, Sam	GW 2	316139	
33	N P R R	GW 4	285360	
33	Savage Congregational United Church of Christ	4	286439	
33	W SA	4	285725	
34	Covered Wagon Ranch	GW 2	315227	
34	Osborne, Frank	2	320270	
34	" "	2	283817	

Page 2 of 2

County Richland Twp. 20N Rge. 58E

[illegible]

286237

STATE OF MONTANA, }
County of Richland, }

Filed this 30 day of

Dec. A. D. 19 63

at 2:28 o'clock P.M.

E. L. Kasher
County Recorder

W. L. Kasher
Deputy

per 4500
filed

File No.

DUPLICATE

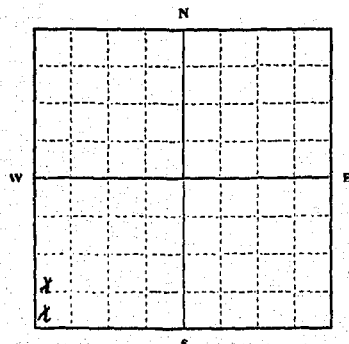
T. 20th R. 48th
County RichlandSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 19 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Charles Nelson, of 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:

S 35th 1/4 Sec. 1 T. 20 R. 48

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

2. The beneficial use on which the claim is based Livestock Water3. Date or approximate date of earliest beneficial use; and how continuous the use has been Water has been continuous since 19574. 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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pressure Pump7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 19578. The depth of water table 20 feet9. 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 Point10. The estimated amount of groundwater withdrawn each year 1,095,000 gal11. The log of formations encountered in the drilling of each well if available unknown12. 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

Charles Nelson
Date Dec 30, 1963

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

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

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

29537

286238

STATE OF MONTANA.)
County of Richland

Plaintiff, 30 day of Dec. 1963

vs. 2:30 P. 63
E. L. Kasper
County of Richland
D. Sullivan
County of Richland

File # 200
Filed

GW.

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

File No. _____

T 20 N 58 W

DUPLICATE

County Richland

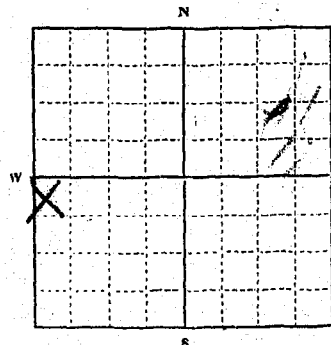
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 10 1964

Declaration of Vested Groundwater Rights.

(Under Chapter 237, Montana Session Laws, 1961)

1. Karl Schmirer of 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:



1/4 Sec 2 T20 R58
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 1945. Since out of year.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pumps
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater none
8. The depth of water table 20 ft.
9. So far as it may be available the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater none
10. The estimated amount of groundwater withdrawn each year 10,000 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

Date Jan. 6, 1964

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.

30165

STATE OF MONTANA, } ss. 286952
County of Richland,

Filed this 6 day of

Jan. A. D. 19. 64

at 2 o'clock P. M.

E. A. Kasher

County Recorder

D. Sullivan

Deputy

fee \$ 2.00

Filed