

County RICHLAND

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

RECEIVED

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL NOV 16 1970

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 COVERED WAGON RANCH

Address SAVAGE, MONT.

Date well started 6-17-70 GW1

completed 9-30-70

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

Equipment used ROTARY  
(Cable drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

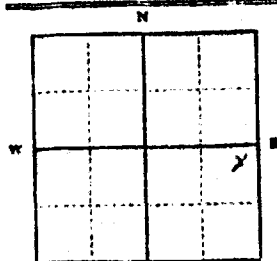
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 10,512,000 Gallons

Size of Drilled Hole, in	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
7	5" I.D.	0	118	THIS IS SURFACE PIPE
3 7/8"	3" I.D.	0	1083	
	4.90" P.I.P.T.			



NE 1/4 Sec. 30  
T. 20 N. R. 58 E

Static water level FLWS ft.  
Pumping water level \_\_\_\_\_ ft.  
at 7.5 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) PIPE IS CEMENTED  
PIPE IS CEMENTED  
above ground & TOP

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	42	Gravel
42	45	Blue Clay
45	87	Gravel
87	131	Blue Clay
131	138	Sand
138	167	Blue Clay
167	169	ROCK
169	210	Blue Clay
210	214	ROCK
214	330	Blue Shale
330	333	ROCK
333	460	Blue Shale
460	468	ROCK
468	590	Blue Shale
590	592	ROCK
592	697	BLUE SHALE
697	701	Sandstone
701	713	ROCK
713	755	Blue Shale
755	757	ROCK
757	767	Blue Shale
767	777	Sandstone
777	779	ROCK
779	807	Blue Shale
807	815	SAND
815	843	Blue Shale
843	846	ROCK
846	872	Blue Shale
872	873	ROCK
873	878	Blue Shale
878	930	Sandstone
930	932	ROCK
932	948	Sandstone
948	979	Blue Shale
979	987	Blue Shale
987	1011	Blue Shale
1011	1043	Blue Shale
1043	1075	Sandstone - water
1075	1083	Blue Shale

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

Driller's Signature David Sullivan

Driller's Address RT. 1 BOX 203-B  
SIDNEY, MONT.

LICENSE NO 94

1093 Show exact depth of bottom

STATE WATER CONSERVATION BOARD

File No. DEC 8 1955

T 20 N R 58

DUPLICATE

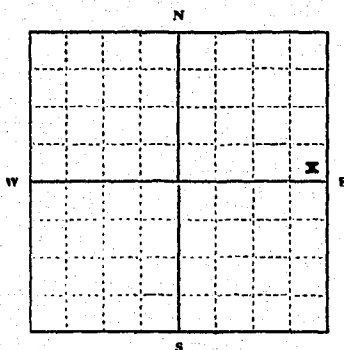
County Richland

Billie McDermott  
Butzer McNulty  
Coyle Morton  
Darlington Sullivan  
Dickert  
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Bosshard, Dolf or Gladys, of Rt. 1 Box 127 Sidney, Montana  
(Name of Appropriator) (Address) (Town)  
County of Richland State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 31 T 20 R 58

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  
home and stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
1960-continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
5 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
does not apply
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  
1960
8. The depth of water table  
20 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
sand point
10. The estimated amount of groundwater withdrawn each year  
used continuously
11. The log of formations encountered in the drilling of each well if available  
not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record  
not available

Signature of Owner Gladys Bosshard

Date December 7, 1965

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.

34971

STATE OF MONTANA, }  
County of Richland, } ss. 295780

Filed this 7 day of

Dec. A. D. 1965

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

E. L. Fisher

County Recorder

D. Sullivan

Deputy

fee: \$2.00

filed

File No. ....

T. 20<sup>N</sup> R. 58<sup>E</sup>

DUPLICATE

County. Richland

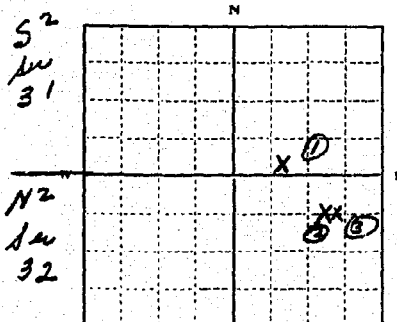
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 19 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Russell Hilliard, of Livingston  
(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 1/4 31<sup>S</sup> T. 20 R. 58  
NW 1/4 Sec. 32 T. 20 R. 58

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 and household use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930  
Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal per min. well no. 1  
8 gal per min. well no. 2  
8 gal. well no. 3
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pumps
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 30 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
all wells about 30 ft  
suction pumps used
10. The estimated amount of groundwater withdrawn each year 475000 gal
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. Russell HilliardDate 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.

29997

STATE OF MONTANA, } ss. 286713  
County of Richland,

Filed this 31 day of  
December 1963  
at 9:03 o'clock P.M.

L. L. Loeber  
County Register  
Helmut Dierke  
Deputy

fee \$2.00  
filed

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

T. 20 N. R. 58 E.

DUPLICATE

County: RICHLAND

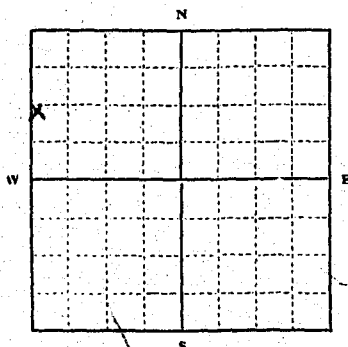
JAN 10 1964

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. OSCAR SLARDON of SAVAGE 1  
(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 32 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 AND HOUSEHOLD

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1907 CONTINUOUS USE

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2000 GALS 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

PRESSURE PUMP

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

8. The depth of water table 14 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 3 FOOT TILE CASING

10. The estimated amount of groundwater withdrawn each year 800,000

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

NOT AVAILABLE

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

NONE RECORDED

Signature of Owner Oscar Slardon

Date June 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.

30172

STATE OF MONTANA, } ss. 286978  
County of Richland,

Filed this 8 day of

Jan A. D. 19 64

at 1:30 o'clock, P. M.

E. L. Hooker  
County Recorder

A. Sullivan  
Deputy

fee. \$2.00  
file

File No. ....

T 20 N R 58 E

DUPLICATE

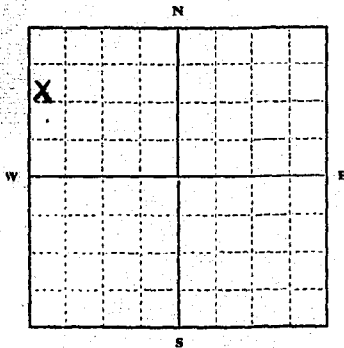
County RICHLAND

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, OSCAR S. LABSON, of (Address) SAVAGE (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 32 T. 20 R. 58

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 AND HOUSEHOLD
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).  
2000 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.  
NONE
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
PRESSURE PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.  
1915
8. The depth of water table.  
14 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 3 FOOT TILE CASING
10. The estimated amount of groundwater withdrawn each year.  
80000 GALS
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.  
NOT RECORDED

Signature of Owner Oscar S. LabsonDate Jan 8 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.

30173



STATE OF MONTANA, } ss, 256979  
County of Richland,

Filed this 8 day of

Jan A. D. 19 64

at 1:32 o'clock, P. M.

E. L. Lasher

County Recorder

J. Sullivan

Deputy

fee \$3.00  
filed

RECEIVED

JAN 6 1960

T. 20N R 58E

County Richland

32

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner E. A. Nitechke Address Savage Mont

Driller Harold Hulbrow Address Sidney Mont

Date Started Sept 14, 1959 Date Completed Sept 19, 1959

Location: Sec. 32 T 20 R 58E 1/4 sec. 6-1st ave original source - Savage

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 8.4 ft. Type galv Size 4"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. to Ft. to Ft.

Type of screen or perforations

Static Water level, for non-flowing well: 15' from top feet.

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

Pumping water level: 3.0 feet at 2.0 gal. per min.

How tested: backer

Length of test: 1 1/2 hrs

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

gravel put in bottom

(over)

### Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	10	Brown sandy clay
10	20	gravel
20	24	sand
24	28	gravel
28	58	blue clay
58	68	brown sandstone
68	89	blue sand

265500

STATE OF MONTANA, ss.  
County of Richland.

Filed this 5 day of January A.D. 1960.  
at 10:56 o'clock P.M.  
E. S. Justice  
County Recorder  
B. S. Quackenbush  
Deputy

W. Lee

T 20<sup>N</sup> R 58A

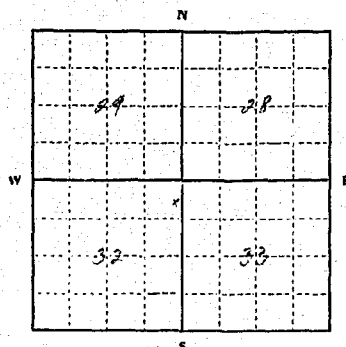
County... **Richland**

JAN 19 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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 Use in the home.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Unknown, continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
Irrigation of lots 14, 15, 16, block 26, West Addition, owned by Ida L. Seave.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 inch centrifugal pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Unknown
8. The depth of water table. 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. Sandpoint well
10. The estimated amount of groundwater withdrawn each year. 20,000 gallons
11. The log of formations encountered in the drilling of each well if available. 20 feet sandy loam,  
5 feet gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

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

Date 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.

29732

STATE OF MONTANA, } ss. 286438  
County of Richland.

Filed this 31 day of  
December D. 1963  
at 10:38 P.M.

W. L. Rader  
County Recorder  
Helen Querk  
Deputy

for 200  
filed

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner SAM TIESZEN

Address Savage, Montana

For Administrator's Use	
File	<u>216139</u>
	<u>September 4, 1970</u>
	<u>13:12 P.M.</u>

Date well started 8-18-70

GW 1

completed 8-18-70

Type of well DRILLED

(Dug, driven, bored or drilled)

Equipment used CHURN

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

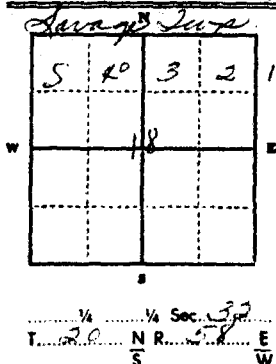
Industrial ☐ Drainage ☐ Other ☐ \* Garden/Lawn ☐

\*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 3,066,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>5 1/4"</u>	<u>4" I.D.</u> <u>11 #14</u>	<u>0</u>	<u>39</u>	<u>1/2" 5403</u>	<u>36</u>	<u>38</u>



Static water level 16 ft.\*  
Pumping water level 16 ft.\*  
at 38 gallons per minute,  
measured 60 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by BAILER  
for 1 hours.  
Power          Pump          HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff)  
Natural gravel pack

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

Driller's Signature David Gulhaan

Driller's Address RT. 1 BOX 203-B

SIDNEY, MONT. LICENSE NO. 91

County RICHMOND

RECEIVED

DRILLER'S LOG

SEP 8 1970

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>38</u>	<u>Yellow Clay</u>
<u>38</u>	<u>39</u>	<u>Sand</u>
<u>39</u>	<u>39</u>	<u>Sand &amp; Gravel</u>

39 Show exact depth of bottom

47464

316139

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

Filed this 4 day of  
September A. D. 19 20  
at 12:12 o'clock, P. M.

Helena Greese  
County Recorder  
Elmer J. Jones  
Deputy

for \$2.00

G1

Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No. ....

T 20N R 58E

DUPLICATE

County Richland

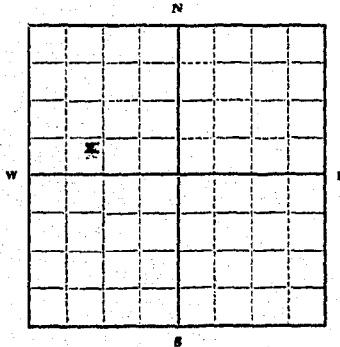
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights** NOV 19 1963

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Northern Pacific Railway Co., of H.F. Bayet 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:



6W 1/4 NW Sec. 33 T 20N R 58E

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.  
Domestic purposes

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.  
June 13, 1936 to present

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Started May 8, 1936 Completed June 13, 1936

8. The depth of water table. Flowing well

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 drilled well, 25 feet deep

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

11. The log of formations encountered in the drilling of each well if available. see attached log 33A

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 Nov 8, 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.

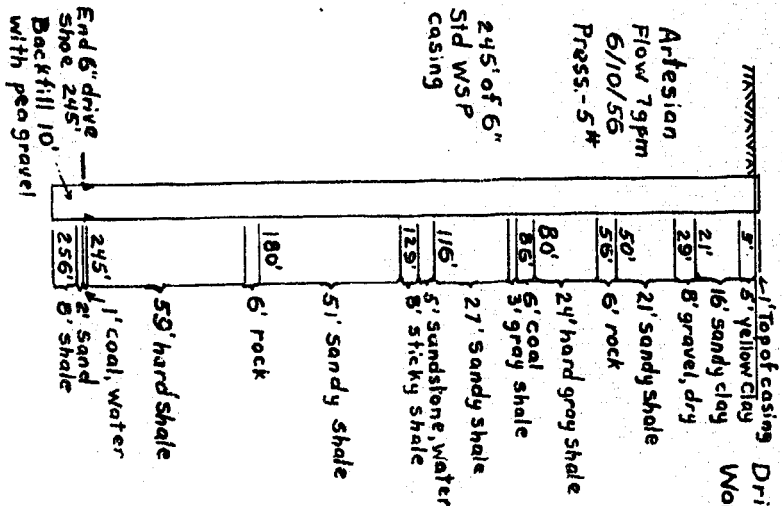
1036



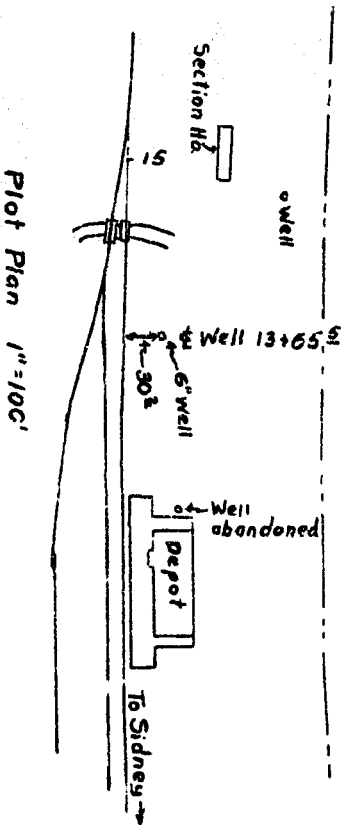
# **Savage, Mont.**

Mont. 55A  
Yellowstone Div.  
7th Sub. Div.  
11/1/57

Section House & Depot Well AFE 153-56  
6" Well 256' Deep  
Drilled by E. A. Bodin N. R. Ry. Co.  
Work begun 5/8/56 Completed 6/13/56



Water Analysis June 1, 1956	
Calcium bicarbonate	0.8 gpg
Sodium carbonate	3.2 gpg
Sodium bicarbonate	76.4 "
Sodium sulfate	1.0 "
Sodium chloride	3.9 "
Silica	6.96 "
Iron	2.9 ppm
Fluoride	1.0 "
PH	9.8
Total Dissolved Solids	86.3 (Actual)



EMW

File No. 1T. 20 N 58 E 33

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 Savage Congregational--United Church of ChristSavage

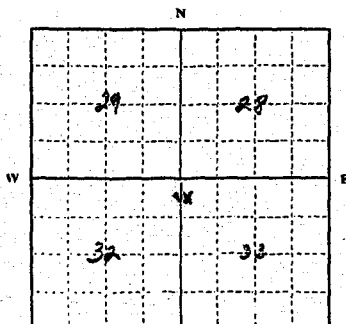
(Name of Appropriator)

(Address)

(Town)

County of RichlandState of Montana

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



1/4 Sec. 33 T. 20 R. 58  
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 General use in church.3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955, intermittent4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 inch centrifugal pump7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Unknown8. The depth of water table 30 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 Sandpoint well10. The estimated amount of groundwater withdrawn each year Unknown11. The log of formations encountered in the drilling of each well if available 20 feet sandy loam 5 feet surgery

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

Savage Congo Church  
Signature of Owner Ida Seene Tress

Date Jan 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.

29733

STATE OF MONTANA, } ss. 286439  
County of Richland,

Filed this 31 day of  
December A.D. 1963  
at 10:30 o'clock, P.M.

E. L. Lasker  
County Recorder  
Helena Lasker  
Deputy

for 2<sup>nd</sup>  
filed

File No. ....

**DUPLICATE**

T 20 N R 58E

County **Richland**

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

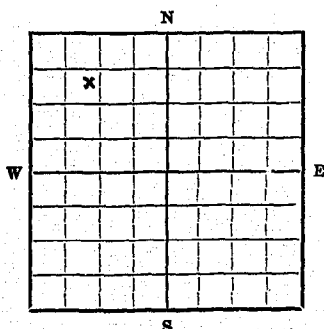
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
DEC 18 1962

STATE ENGINEER

1. United States of America, of Box 2553 Billings  
(Name of Appropriator) (Address) (Town)  
County of Yellowstone State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



..... 74 .....

Sec. 28. T20. R. 58E

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

- | No. | Description  |
|-----|--|
| 1.  | Location of 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 <u>domestic</u>   |
| 3.  | Date or approximate date of earliest beneficial use; and how continuous the use has been <u>1906 and continuous</u>  |
| 4.  | The amount of groundwater claimed (in miner's inches or gallons per minute) <u>35 gallons per minute</u>   |
| 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 <u>not used for irrigation</u>   |
| 6.  | The means of withdrawing such water from the ground and the location of each well or other means of withdrawal <u>electric pump</u>  |
| 7.  | The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater <u>approximately 1906</u>   |
| 8.  | The depth of water table <u>4 feet</u>   |
| 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 <u>depth of well is 24 feet, 4 inch casing</u>   |
| 10. | The estimated amount of groundwater withdrawn each year <u>56 acre-feet.</u>   |
| 11. | The log of formations encountered in the drilling of each well if available <u>not available</u>   |
| 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. <u>This water is used for domestic, household, stock watering, and similar uses by employees of the United States, or its agents in connection with operation of the Lower Yellowstone Federal Reclamation Project.</u> |

UNITED STATES OF AMERICA

Signature of Owner *[Signature]*  
Regional Director, Region 8, Bureau of Reclamation

Date ..... **December 2, 1968**

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

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

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

9870

STATE OF MONTANA, )  
County of Richland, ss. 285725  
Filed this 16th day of  
Dec. A. D. 1963  
at 11:49 o'clock, A. M.  
C. L. Kooker  
County Clerk  
R. Atchison  
Deputy

See 200  
filed

GW 2

MONTANA WATER RESOURCES BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—45542

File No.

RECEIVED

30 T. 20 N. R. 58 E. 34

TRIPLICATE

JUN 4 1970

County RICHLAND

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERNotice 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.....)

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

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

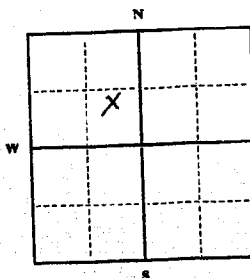
Date of Notice of appropriation of groundwater..... 5/6/70

Date well started..... 5/6/70 Date completed..... 5/6/70

Type of well..... Equipment used.....  
(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)



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

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

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

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

How Tested.....

Length of Test.....

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

N 1/4 Sec. 34 T. 20 N. R. 58 E.  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Doc. No. 315227

Filed for record

this 23 day of June

A. D. 1970 at 10:19

o'clock A. M.

(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

46 516



RECEIVED

JUN 19 1922

315227 315227  
STATE OF MONTANA, }  
County of Richland, } ss.

Filed this 5 day of  
June A. D. 19 22  
at Helena o'clock, A. M.

Helen H. Hiecke  
County Recorder  
By Emma  
Deputy

Filed  
Fee: 2.00



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 Frank Osborne

Address Libney, Mont.

Date well started

completed 2-15-1971

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used rotary

(Chain drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

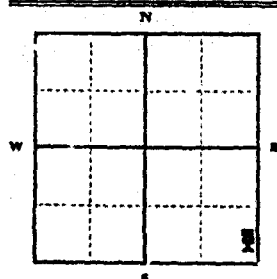
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	18 LBS PER FT.	0	75	2x1/2 torch slots	570	620
5"	1" galv.	75	620			



Shut in pressure 35 lbs.

Static water level ..... ft.\*

Pumping water level ..... ft.\*

Flow ..... 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) tool

packer set from 20 to 570

15 rods of cement turned

1/4 Sec. 24

T. 20 N. R. 52 E.

Sec. 36

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

Driller's Signature Frank Osborne

Driller's Address Libney, Mont.

Box 74

LICENSE NO. 72

County Richland

DRILLER'S LOG

34

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

Top of Ground (Elev. above sea level) <u>1960</u>		
From (Feet)	To (Feet)	
0	15	to soil and yellow clay
15	55	sand
55	73	gravel
73	90	gray sand
90	98	coal
98	101	sandstone
101	111	gray sand
111	135	gray clay
135	137	coal
137	215	gray clay
215	255	coal
255	270	gray sandy clay
270	271	sandstone
271	312	gray shale
312	315	coal
315	341	gray shale
341	344	sandstone
344	535	gray shale
535	538	gray sandy clay
538	537	coal
537	570	gray shale
570	62	ARTESIAN WATER STRATA

Show exact depth of bottom

48107

County Nicholas

DRILLER'S LOG

34

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 Frank Osborne

Address Sidney, Mont.

Date well started

completed 9-15-1971

Type of well drilled

(Dig, driven, bored or drilled)

Equipment used rotary

(Cable drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

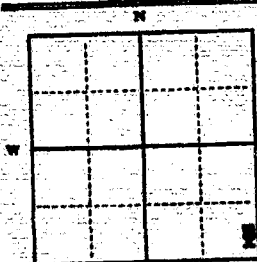
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Well	Type and Size of Casing	Depth (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5"	1 1/2" galv.	0	75			
	1 1/2" galv.	75	620			
	1 1/2" galv.	0	620	2 1/8" torch slots	570	620



shut in pressure 35 lbs.

Static water level ..... ft.\*

Pumping water level ..... ft.\*

Flow 30 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

hanger set from 500 to 570

15 sacks of cement around

drum

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

Driller's Signature Francis Boyce

Driller's Address Sidney Mont.

LICENSE NO. 92

Top of Ground

(Elev. above sea level) 1960

From (Feet)	To (Feet)	
0	15	topsoil and yellow clay
15	55	sand
55	73	gravel
73	90	gray sand
90	98	coal
98	101	sandstone
101	111	gray sand
111	135	gray clay
135	137	coal
137	215	gray clay
215	255	coal
255	270	gray sandy clay
270	271	sandstone
271	312	gray shale
312	315	coal
315	341	gray shale
341	342	sandstone
342	505	gray shale
505	532	gray sandy clay
532	537	coal
537	570	gray shale
570	620	ARTESIAN WATER STRATA

620

Show exact depth of bottom

49107

320270

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

Filed this 20 day of  
September A. D. 19 71  
at 3:15 o'clock P. M.

Helene H. H. H.  
County Recorder  
Jay C. C.  
Deputy

File No. ....

DUPLICATE

T. 20 N R. 57 E  
County RichlandSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEER

RECEIVED

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Frank Osborn Address Sidney Mont.Driller Francis Boyce Address Sidney Mont.

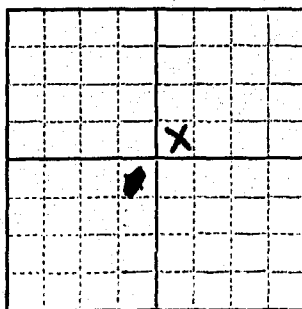
Date of Notice of Appropriation of Groundwater .....

Date well started June 14 1963 Date Completed June 17 1963Type of well drilled Equipment Used Rotary  
(dug, driven, bored or (Churn, drill, rotary or  
other)Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Stock ☒

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

Top of Ground  
Elev. above sea level 2000  
2000 99  
14 gray sand & gravel  
59 gray sandstone  
75 gray shale  
135 firm gray shale  
175 gray sandstone 1 ft. at bottom  
200 hard gray shale  
203 soft gray sandstone  
238 2 1/2 gallons per minute  
260

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 1/2"	4" 10.90 lb	0	64	4 1/2"		
4"	4" 10.90 lb	64	260	4 1/2"	235	260



N. 1/4 Sec. 34 T. 20 R. 58  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

260

Show exact depth of bottom.

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

Shut-in Pressure for Flowing Well 8 lbs

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

Discharge in gal. per min. of flowing well 2 1/2

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

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

acres irrigated, if used for irrigation) bottom packerat 238 feet down and at 217 feet down

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.

5228

STATE OF MONTANA, } ss. 283817  
County of Richland, }

Filed this 31 day of

July A. D. 19 63

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

E. L. Koster

County Recorder

A. Sullivan

Deputy

Fee: \$2.00

Filed

File No. ....

TAX ID R. 056

Richland

County

DUPLICATE

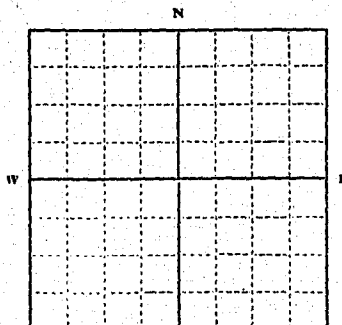
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 15 1964  
STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



Lot 6 &amp; 18s

Block 18 Lows Addition Savage Mont

1/4 Sec 32 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.  
Household Use Lawn and Garden Irrigation

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

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 50 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  
same as to left

6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal

jet pump House

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater 1950

8. The depth of water table 15 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 Sandpoint

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

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

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

Signature of Owner

Date

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

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

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

32911

STATE OF MONTANA, } 287016  
County of Richland, }

Filed this 10 day of

June A. D. 1964

at 2 o'clock P. M.

E. J. Lasher  
County Recorder

A. Sullivan  
Deputy

for #212

filed

File No. ....

T. 20N R. 58E

32

DUPLICATE

County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

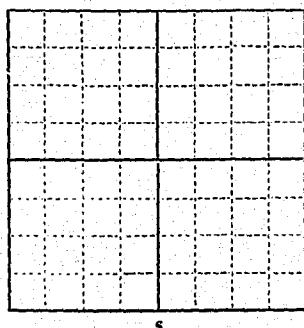
RECEIVED  
JAN 15 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

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



$\frac{1}{4}$  Sec 32 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 for Fire Dept  
to put out fires

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 62  
continuous use since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gallons per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 62

8. The depth of water table 15 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  
18 inch Drilled well 30 ft

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

11. The log of formations encountered in the drilling of each well if available 100 000 gals  
topsoil, sand, and gravel

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

Signature of Owner Savage Fire Dept  
J. H. Hoyer Sec

Date Jan 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.

32910



STATE OF MONTANA, } ss. 28715  
County of Richland,

Filed this 10 day of

Jan A. D. 1964

at 2:00 o'clock, P. M.

E. S. Barker

County Recorder

D. Sullivan

Dputy

Fee: \$2.00  
J. L. L.

RECEIVED  
JUL 11 1960

T. 20 N R 58 E 35  
County Richland

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

	X		

Owner Oliver E. Olson Address Sidney, Montana  
Driller Francis Boyce Address Trotters, N. Dak.  
Date Started July 2, 1960 Date Completed July 6, 1960  
Location: Sec. 35 T. 20 R. 58 1/4 sec. N. West

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

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

Casing: 0 ft. to 55 ft. Type line pipe Size 4 inch 11 lb. P.F.  
Casing: ft. to ft. Type Size  
Casing: ft. to ft. Type Size

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

Type of screen or perforations

Static water level, for non-flowing well: 45 ft. feet.

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

Pumping water level feet at gal. per min.

How tested:

Length of test

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

No gravel pack

(over)

### Log of Well

268035

STATE OF MONTANA,  
County of Richland, } ss.  
Filed this 9<sup>th</sup> day of April A D 19 60  
at 1:50 PM.  
C. B. [unclear]  
County Recorder  
B. B. [unclear]  
County Recorder  
[unclear]

File No. ....

T. 20 N R. 58 E

DUPLICATE

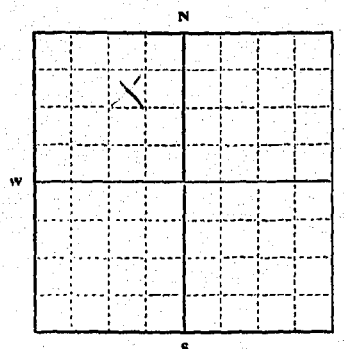
County, Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Oliver Olson of Box 628, Sidney, Montana  
(Name of Appropriator) (Address) (Town)  
County of Richland State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec 35 T. 20 N. R. 58 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 1911 and has been in use ever since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) one gallon per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
artesian

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater About 1911
8. The depth of water table 452 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.  
3 sets of casing all steel, 4 inch, 2 inch and in the center 1 1/2 inch
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available.  
Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Oliver OlsonDate 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.

29512

286213

STATE OF MONTANA, ss.  
County of Yellowstone,

Filed 30 day of  
December 1963  
at 1:40

E. L. Harker  
County Clerk  
Helen Durka  
Deputy

for \$2.00  
filed

## GROUNDWATER INDEX

Page 1 of 9

County Richland Twp. 20 N Rge. 59 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Halderson H.E. and James Clifford	2 W 3	286356	
2	General American Oil Company of Texas	57 Log Well	48733	
3	Mr. Thistler H. J.	2 W 2	322741	
4	Halderson H.E. and James Clifford	2 W 3	286357	
5	Peterson David	2 W 3	286619	
10	Clark Charles H.	2 W 3	285863	
11	Clark Charles Mrs.	2 W 2	318611	
12	Clark Charles H.	2 W 4	285862	
14	Youngquist Dean E.	2 W 4	286232	
15	Youngquist Dean	2 W 3	286236	
19	Redman Karyn J.	2 W 4	285957	
19	Sutt Ray	2 W 2	309701	
21	Youngquist Dean E.	2 W 4	286233	
25	Brown Hugh B.	2 W 4	286402	
25	Brown Hugh B.	2 W 4	286403	
27	Brown Hugh B.	2 W 3	286400	
27	Sutt Ray	2 W 2	317538	
35	Brown Hugh B.	2 W 3	286399	
35	Brown Hugh B.	2 W 4	286398	
36	Brown Hugh B.	2 W 4	286397	
	Halderson Britton	2 W 2	291093	

File No. ....

T. 20 N. R. 59 E.

DUPLICATE

County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 10 1964  
STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

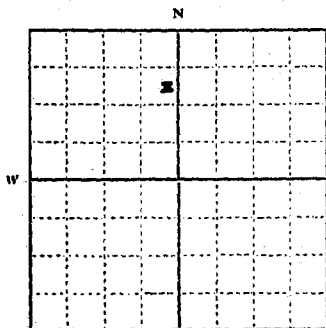
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1960H. E. HalvorsenOwner and Address Slidway, MontanaClifford JensenContractor (if any) ourselves

Address of Contractor .....

Date Started 1960 Date Completed 1960

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



SENE 1/4 NW. Sec 1 T. 20 N. R. 59 E.

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

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

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

1 gallon per minute in use year round

H. E. Halvorsen and Clifford Jensen  
Signature of Owner by H. E. Halvorsen

Date 12-31-63

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. 286356  
County of Red Deer, }

Filed this 31 day of  
December A.D. 1969.  
at 9:16 P.M.

E. L. Kasher  
County Clerk  
E. L. Kasher  
Deputy

for \$200  
filed



2

RECEIVED  
MAY 1971  
U.S. COIN. COMM.  
ST. LOUIS, MO.  
TEL. 454

123456789101112

3456789  
A  
CEIVE  
AL COMB. D  
OF NON  
REPLY

\_\_\_\_\_ of the County of Richland in  
the State of Montana, am the owner of the hereinafter described land upon which  
a well for oil or gas was drilled, to-wit:

Lease Name      **Lewis Albert**

The well is located 3150' feet <sup>XX</sup><sub>N</sub> of the South  
line and 660' feet <sup>XX</sup><sub>W</sub> of the East line.

Water Use: Domestic   X   Municipal        Stock   X   Other         
Industrial        Drainage        Irrigation       

Producing Depth   1505-1550   Producing Formation   Fox Hills ss  

Yield of well                      Annual Withdrawal                     

Mr. Lewis Albert Lewis (L.S.)  
 Address Landowner  
Skaar Route, Sidney, Montana

IN THE PRESENCE OF: E. Wright  
E. Wright  
Address 202 1st St Glendive Mont  
2111 Louise Lane,  
Address Billings, Montana 59102

Oil and Gas Conservation Commission

Dated: May 26, 1971, 19

48733

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 Ed. J. H. H. H. H.

Address Monte Vista

Date well started 5-1-1972

completed 5-9-1972

Type of well drilled

Equipment used rotary

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

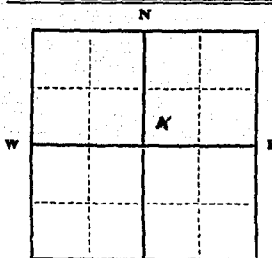
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 500,000 gal per year

Size of Drilling Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	6"	0	47			
5"	1 1/2" galv casing	0	1220 1/2 inch etc		1220	1320



SW 1/4 1/2 Sec 3  
T. 2 N. R. 1 E. S. 5

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

Driller's Signature James H. Rogers

Driller's Address 1224 S. 1st St. Butte, MT

LICENSE NO. 12

County Butte **3**

DRILLER'S LOG

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

Top of Ground (Elev. above sea level) <u>100</u>	
From (Feet)	To (Feet)
0	38
38	47
47	52
52	122
122	142
142	158
158	167
167	177
177	193
193	203
203	213
213	223
223	233
233	247
247	277
277	297
297	310
310	320
320	332
332	349
349	364
364	377
377	397
397	407
407	417
417	427
427	437
437	447
447	457
457	467
467	477
477	487
487	497
497	507
507	517
517	527
527	537
537	547
547	557
557	567
567	577
577	587
587	597
597	607
607	617
617	627
627	637
637	647
647	657
657	667
667	677
677	687
687	697
697	707
707	717
717	727
727	737
737	747
747	757
757	767
767	777
777	787
787	797
797	807
807	817
817	827
827	837
837	847
847	857
857	867
867	877
877	887
887	897
897	907
907	917
917	927
927	937
937	947
947	957
957	967
967	977
977	987
987	997
997	1007

1320 Show exact depth of bottom

50,395

322 741

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

Filed this: 16 day of  
May A. D. 19 72  
at 11:26 o'clock, A. M.

John Burke  
County Recorder  
Jay Ostermeyer  
Deputy

Filed  
Fee: \$2.00

File No. ....

T. 20 R. 59

DUPLICATE

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 1806 in use since

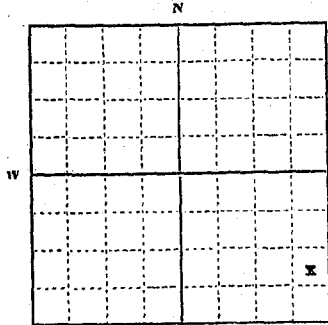
Owner H. E. Halvorsen and Clifford Jensen Address Sidney, Montana

Contractor (if any) none

Address of Contractor none

Date Started 1806 Date Completed same

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



NESE 1/4 SE Sec. 4 T20 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

3 1/2 gallons per minute used year round

Signature of Owner H. E. Halvorsen

Date 12-31-63

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, No. 286357

Filed this 31 day of  
December A.D. 1963  
at 9:17 o'clock A.M.

E. L. Kroeker  
County Recorder  
E. L. Kroeker  
Deputy

fee \$20.00  
file

JW 3

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

File No. ....

T. 20 N. R. 59 P. 5

DUPLICATE.

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, 1963

Owner Hazel Petersen Address Star Route Sidney, Mont.

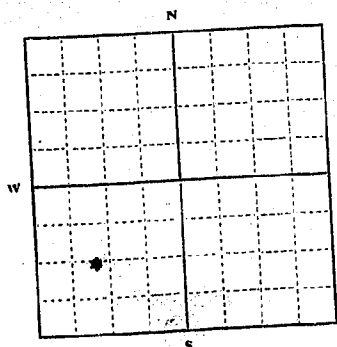
Contractor (if any) None

Address of Contractor None

Date Started July 10, 1959 Date Completed July 15, 1960

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

Natural flow collected in a tank.



1/4 Sec. 5 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

100 head of cattle 3 months per annum.

Est 70,000 gallons per year.

Signature of Owner Hazel Petersen

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. 286 619  
County of Richland,

Filed this 31 day of

Dec. A. D. 19 63

at 1:39 o'clock, P. M.

Ed. Hooker

County Recorder

R. O. Johnson

Deputy

fee: 200  
filed

GW3

File No. ....

DUPLICATE

T. 20 N. R. 59 E.

County Richland

RECEIVED  
DEC 26 1963

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater August, 1961

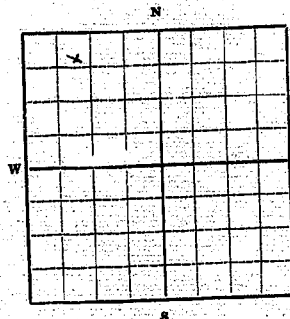
Owner Charles A. Clark Address Grange, Montana

Contractor (if any) D. V. Peor

Address of Contractor Sidney, Montana

Date Started July 1961 Date Completed August 1961

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



NW 1/4 Sec. 10 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

5 or six gal per minute flow, continuous, into stock tank with overflow into Alkali Creek. Measured with the use of a 5 gallon bucket and pocket watch.

Signature of Owner Charles A. Clark

Date July 31st, 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 School of Mines and Quadruplicate for the Appropriator.



STATE OF MONTANA,  
County of Richland,

285865

Filed this 20th day of

Dec. A. D. 1963

at 1:32 P. M.

C. L. Kooker

County Clerk

C. A. Johnson

Notary

fee: 2.00  
filed

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Charles Clark

Address Sidney, Mont.

Date well started 3-22-1971

completed 4-2-1971

Type of well drilled

Equipment used rotary

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

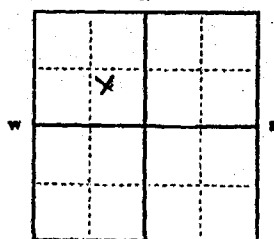
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe pasture well

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 2,127,200 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	5" I.D. 15 lb. per ft.	0	62			
4"	1" galv casing	62	1390	torch slots	1360	1390



S. E. 1/4 N. 40. S. Sec. 11  
T. 20. N. R. 5. E.

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

Driller's Signature Francis J. [Signature]

Driller's Address Sidney, Mont.

LICENSE NO. 92

County Richmond

DRILLER'S LOG

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

Top of Ground (Elev. above sea level) <u>2105</u>		
From (Feet)	To (Feet)	
0	35	topsoil- sandy yellow clay
35	50	gravel and clay
50	60	gray clay
60	62	coal
62	134	gray clay
134	143	coal
143	206	gray shale
206	215	coal
215	226	gray shale
226	237	coal
237	312	gray shale
312	318	coal
318	339	gray shale
339	343	sandstone
343	370	gray shale
370	382	coal
382	393	gray shale
393	405	sandstone
405	507	weak gray shale
507	509	rock
509	601	gray shale
601	607	coal
607	652	hard gray shale
652	657	coal
657	736	gray shale
736	740	rock
740	822	gray shale
822	824	rock
824	887	hard gray shale
887	923	rock
923	925	gray shale
925	1050	rock
1050	1350	gray shale
1350	1367	hard gray shale and rock
1367	1390	layers sandstone and hard gray shale
		artesian water strata

1390 Show exact depth of bottom

48348

STATE OF MONTANA, } ss. 318611  
County of Richland, }

Filed this 15 day of

April A. D. 19 71

at 9:13 o'clock, A. M.

Wileen Gierke

County Recorder

June Paladichuk

Deputy

Filed  
\$2.00

File No. ....

T 20 N R 59 E

DUPLICATE

County Richland

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

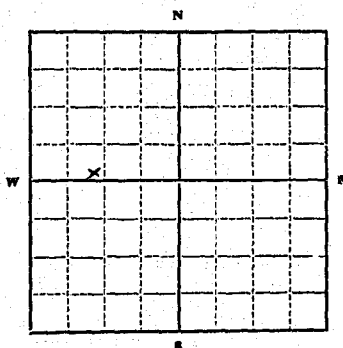
RECEIVED  
DEC 28 1963

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Charles A. Clark, of Crane,  
(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. 12 T20 R 59

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

2. The beneficial use on which the claim is based.....  
Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. September 1955 and continuous since that time.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
no
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
well was completed with 4" steel casing, 1 1/2" well pipe with 2 1/2" cylinder, pump head, pump jack & engine.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. September, 1955
8. The depth of water table. 175 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. as described above
10. The estimated amount of groundwater withdrawn each year. 100,000 gallons
11. The log of formations encountered in the drilling of each well if available. sandstone and some thin coal seams which were negligible.
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 Charles A. Clark

Date July 5, 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.

12621

STATE OF MONTANA, } ss. 285862  
County of Richland, }

Filed this 20th day of

Dec. A. D. 1963

at 1:30 o'clock, P. M.

B. L. Kooker

County Recorder

B. Atchison

Deputy

fee: 2.00  
filed

File No. ....

T. 20NR 59E

DUPLICATE

County RICHLAND

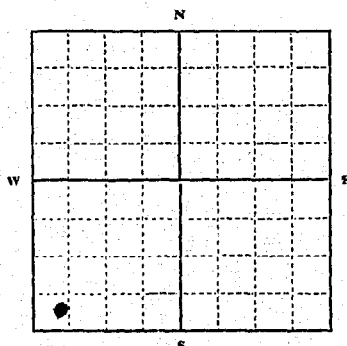
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 10 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. DEAN E YOUNGGUIST, of SKAAR 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:



SW 1/4 Sec. 14 T20NR 59E

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

2. The beneficial use on which the claim is based...  
STOCK WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been...  
1949  
USED EVERY YEAR
4. The amount of groundwater claimed (in miner's inches or gallons per minute)...  
8 GALLONS PER MINUTE
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof...  
NOT 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...  
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...  
5 IN. CASINGS, 40' DEEP, DRILLED
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

12/28/63

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.

29531

286232

STATE OF MONTANA }  
County of Richland, }

Filed this 30 day of

at 2:18 o'clock, P. M.

L. L. Keiser  
County Recorder

D. Sullivan  
Deputy

Fee: 45.00  
Filed

200-14-10026

100

100

200-14-10026

200-14-10026

200-14-10026

200-14-10026

286232

STATE OF MONTANA,  
County of Richland,

Filed this 30 day of

at 2:18 o'clock, P. M.

E. L. Keane  
County Recorder

D. Sullivan  
Deputy

Fee: \$5.00  
Filed



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

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1920 APPROX.

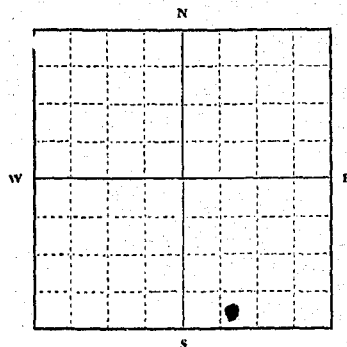
Owner Deane Youngquist Address Shandy Spring, Mont.

Contractor (if any) NOT APPLICABLE

Address of Contractor NOT APPLICABLE

Date Started NOT KNOWN Date Completed NOT KNOWN

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. BOX SET IN GROUND AND PIPE TO TANK. WATER COMES TO SURFACE OF GROUND



SE 1/4 Sec. 15 T. 20 N. R. 59 E.  
Indicate point of appropriation  
and place of use, if possible.

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

5 GAL PER MIN - TIMED  
\* MEASURED

Signature of Owner Deane Youngquist

Date 12/28/1963

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.

COME TO POWER OF COURT  
AND FILE TO LAY OFF  
8-1-261 W. 00000

26 10 34 36 2 1963

1963

286236  
STATE OF TEXAS  
County of ...  
Filed this 30  
Dec 21 1963  
E. L. Kasper  
County Recorder  
Deputy  
J. L. ...  
J. L. ...

File No. ....

T. 20N R. 59E

DUPLICATE

County Richland

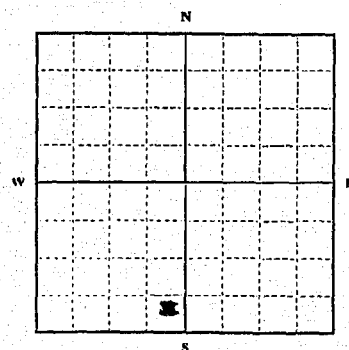
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 26 1963

Declaration of Vested Groundwater Rights  
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

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

SE  $\frac{1}{4}$  SW  $\frac{1}{4}$  Sec. 19 T. 20N R. 59E

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

2. The beneficial use on which the claim is based stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been first used in 1954 and used constantly since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gallon per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pumping with windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater don't know
8. The depth of water table don't know
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, depth, approximately 350 feet, 4 inch casing
10. The estimated amount of groundwater withdrawn each year 162,500 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 have no other information

Signature of Owner Karney J. RedmanDate December 23, 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.

12660

STATE OF MONTANA, } ss. 285957  
County of Richland, }

Filed this 27 day of

Dec. A. D. 1963  
at 4:32 o'clock P. M.

E. L. Kader  
County Recorder

D. Sullivan  
Deputy

fee: \$2.00  
filed