

File No. ....

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

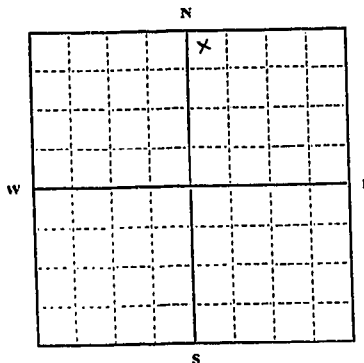
T. 15 N. R. 55 E. 10  
County DAWSON  
JAN 14 1964

STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Catherine H. Schmoek, of B4262 Glenline  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$  Sec. 10 T. 15 R. 55

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 Business, household, gardening
3. Date or approximate date of earliest beneficial use; and how continuous the use has been approximately 10 yrs ago
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gallons per minute at least
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 9 acres gardens Fred M. Catherine H. Schmoek
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump N.W. corner of property
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well was drilled before we purchased the property, well was drilled approximately 10 yrs ago
8. The depth of water table about 80 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 1 - 4" cased well
10. The estimated amount of groundwater withdrawn each year 120,000 gal
11. The log of formations encountered in the drilling of each well if available We do not know who drilled this well. The information is unavailable to us.
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 we do not have any further information

Signature of Owner

Fred M. Schmoek  
Catherine H. Schmoek

Date 12-31/63

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

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

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

32119

287014

STATE OF MONTANA  
County of Dawson

Filed for record this 31st day of  
December A. D. 1963, at  
4:30 o'clock P. M.  
Gordon W. Russell  
County Clerk and Recorder.

By \_\_\_\_\_ Deputy.

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

**DUPLICATE**

BA

I

County

JAN 14 1964

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. Dec. 31-63

Owner Laurence Stueger Address 506 E Grant

Contractor (if any) None

Address of Contractor .....

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

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

Natural spring from ground

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\_\_\_\_\_

From Spring untill Fall

Signature of Owner. Lawrence or Florence Sturges

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.

32128

20/10-10-18-22

25-15-14-22

11-10-18-22  
25-15-14-22

287023

287023

STATE OF MONTANA  
County of Dawson

Filed for record this 31st day of  
December A. D. 1963, at  
4:30 o'clock P. M.

Gordon W. Russell  
County Clerk and Recorder.

By \_\_\_\_\_ Deputy.

T 13 R 55

County Adairson

JAN 14 1964  
ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

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.

T 13 R 55

County Adairson

JAN 14 1964

# STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

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

- Signature of Owner James Wright

Date **DEC: 31 1982**

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.

286849

STATE OF MONTANA  
County of Dawson

Filed for record this 31<sup>st</sup> day of

December A. D. 1963, at  
3:30 o'clock P.M.

Gordon H. Russell  
County Clerk and Recorder.

By Faye Scheith Deputy.

W 3

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

T15N R55E 15

File No. ....

T15-14 R 55-56

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 14 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1943

Owner Gene Engle Address 715-5-12401 av

Contractor (if any) .....

Address of Contractor .....

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

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

in close proximity to the property. I am not  
sure of the depth of the springs. I am not  
sure of the depth of the springs. I am not

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. we use these

springs for a long time. I am not  
sure of the depth of the springs. I am not  
sure of the depth of the springs. I am not

Signature of Owner Gene Engle

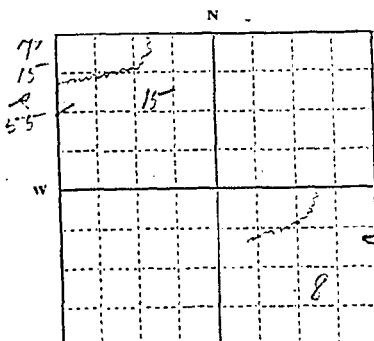
Date DEC 31 1963

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.



15-15-55  
1/4 Sec. T. R.  
Indicate point of appropriation  
and place of use, if possible.

8-14-56

31958



T15N R55E

15

File No. ....

T15N R55E

DUPLICATE

County Lawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 14 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1943Owner Jesse Engle Address 715-5-1240 1st Ave

Contractor (if any) .....

Address of Contractor .....

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

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

in the area of the appropriation  
is close to the flow of the  
increased toward the  
could be improved by ditches.

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. we did these  
spring from April 1st to now 1st  
can't attempt to estimate flow as  
have no way of measuring  
we use no tanks.

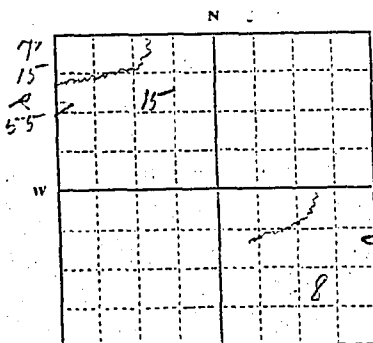
Signature of Owner Jesse EngleDate DEC 31 1963

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.



15-15-55  
1/4 Sec. T. R.  
Indicate point of appropriation  
and place of use, if possible.

8-14-56

31958

286852  
286852

RECEIVED

T. 15 R. 55  
County Dawson

19

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Richard Reynolds Address Glendive  
Driller Robert Haggerty Address Glendive  
Date Started 6-24-60 Date Completed 6-25-60  
Location: Sec. 19 T. 15 R. 55 1/4 sec. SW

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

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

Casing: 0 ft. to 16 ft. Type Steel Size 6"

Casing: 15 ft. to 56 ft. Type Steel Size 4"

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

Perforated or Screened: Ft. 10' to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

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

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

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

Pumping water level 50' at 4 gal. per min.

How tested: Baled

Length of test 1 hr.

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

(over)

### Log of Well

[illegible]

File No. ....

T. 15 N. R. 55 E.

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 14 1964

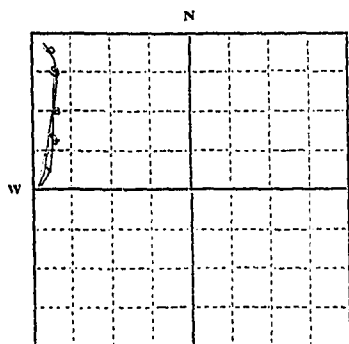
Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 12-28-63Owner George & Gladys J. Jankins Address GlenviewContractor (if any) Edward & Emma WhitchAddress of Contractor Glenview MontDate Started 3-1-58 Date Completed .....

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

Gravity flow  
Depth unknown



NW 1/4 Sec. 20 T. 15 N. R. 55 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 Springsquantity about 150 galper minute (estimate)yearly flow about the sameSignature of Owner Edward WhitchDate Dec 28 1963

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

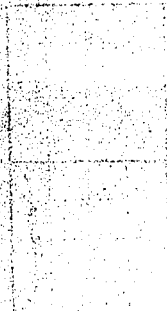
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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.

31840

and Space for Additional  
Parties to be added



286723

STATE OF MONTANA  
County of Dawson

Filed for record this 30th day of  
December A. D. 1963, at  
4:00 o'clock P.M.

Gordon H. Russell  
County Clerk and Recorder.

By Jaye Schutte Deputy.

GW4

File No. ....

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

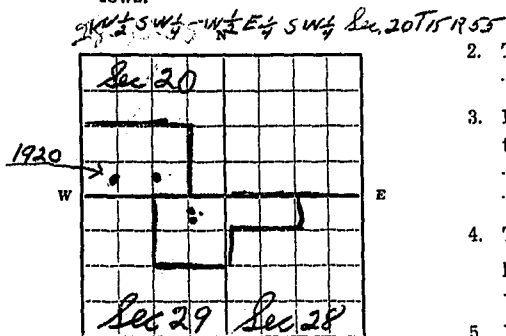
T. 15N R. 55E  
County. Dawson

RECEIVED  
FEB 28 1962

STATE ENGINEER

1. Holm Farms Inc., of Box 846 Glendive  
(Name of Appropriator) (Address) (Town)

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



Lot 1 SW 1/4 NW 1/4 Sec 29 T15R55

NE 1/4 Sec. T 15 R 55

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920 continuous

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 2 wells in Sec 20 T15R55  
1-2 NW 1/4 NE 1/4 Sec 29 T15R55

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1 well dug 1920 2 wells 1940

8. The depth of water table 3.5 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 3 wells dug about 4 ft deep  
2 wells driven 2 inch drill pipe

10. The estimated amount of groundwater withdrawn each year 600,000 gal per year

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

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

Signature of President J. J. J. J.  
Owner

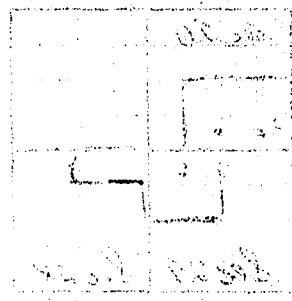
Date Feb. 23, 1962

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

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

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

526



278478

STATE OF MONTANA  
County of Dawson

Filed for record this 23<sup>rd</sup> day of  
Feb. A. D. 1962, at

10:30 o'clock A. M.

London W. Russell  
County Clerk and Recorder.

By Alice Quatman Deputy.

Fee pd. \$2.00



STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE NOV 17 1971  
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 John Holm  
Address Blondine Mont

For Administrator's Use	
File	<u>314061</u>
	<u>November 16, 1971</u>
	<u>11:00 AM</u>
GW 1	

Date well started Oct 4-1971  
completed Oct 7-1971

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>5"</u>	<u>4" I.D. 10 1/2 lbs per ft.</u>	<u>0</u>	<u>38</u>	<u>none</u>		

N

W		E
	X	
	S	

SW 1/4 Sec. 20  
T. 15 N. R. 35 E

Static water level 15 ft.\*  
Pumping water level 21 ft.\*  
at 8 gallons per minute,  
measured 60 minutes after pumping began.

\*Measured from ground level.  
Well developed by shovel bucket  
for 5716 hours.

Power..... Pump..... HP

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

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

Driller's Signature Harold Harris

Driller's Address Lindsay Montana

LICENSE NO. 85

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)	
<u>0</u>	<u>12</u>	<u>clay, sand, gravel, mica</u>
<u>12</u>	<u>38</u>	<u>sand &amp; gravel</u>

38' Show exact depth of bottom

49444

314061

STATE OF MONTANA  
County of Dawson  
Filed for record this 16<sup>th</sup> day of  
Nov A. D. 19 71 at  
11:00 o'clock a M.  
Dorinda M. Russell  
County Clerk & Recorder  
By Patricia A. Johnson Deputy

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

T. 15 N. R. 55 E

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

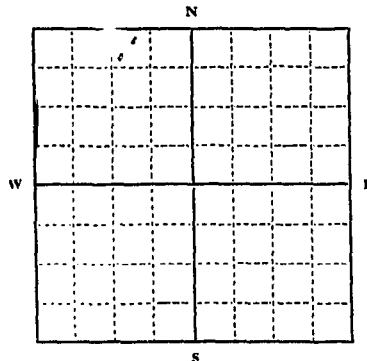
RECEIVED  
JAN 14 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Edward Ubrich, of C B Route Glendive  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1964, as follows:



N.W. 1/4 Sec. 20 T. 15 N. R. 55 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 Domestic & Stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 6-1-41 Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump Jack & pressure pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 6-1-41 CO
8. The depth of water table 15'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4" Steel casing about 30'
10. The estimated amount of groundwater withdrawn each year 50,000 gal per year
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 John H. H. H.

Signature of Owner Edward UbrichDate Dec 28 1963

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

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

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

31741

286724

STATE OF MONTANA  
County of Dawson

Filed for record this 30th day of  
December A. D. 1963, at  
4:00 o'clock P.M.

Gordon H. Russell  
County Clerk and Recorder.

By Faye Schertlin Deputy.

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

T. 15 R. 55

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

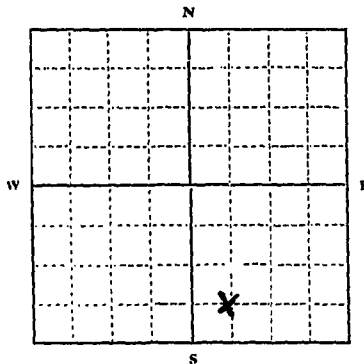
JAN 14 1964

STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Calcedonio  
Frank Giarratana of Glendive  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SE 22 T. 15 R. 55

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 and stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.  
use  
1955
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.  
Lawn use
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
Deep well jet pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.  
1955
8. The depth of water table. 100'
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" Pipe Casing 100' Deep
10. The estimated amount of groundwater withdrawn each year. 1,000,000
11. The log of formations encountered in the drilling of each well if available.  
None available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.  
None

Signature of Owner

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.

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Dawson

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STATE OF MONTANA  
County of Dawson

Filed for record this 31st day of  
December A. D. 1963, at  
3:30 o'clock P. M.

Gordon H. Russell  
County Clerk and Recorder.

By J. J. Scheitlin Deputy.

Form No. 18  
8-60

25

T. 15 R. 55  
County DAWSON

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

		X

Owner Penrod Drilling Co. Address Dallas 1, Texas  
Driller Adkison Water Well Drilling Address Glendive, Montana  
Date Started 6-10-60 Date Completed 6-20-60  
Location: Sec. 25 T. 15 R. 55  $\frac{1}{4}$  sec. NW $\frac{1}{4}$  of NE $\frac{1}{4}$

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ~~XXXXX~~ Oil drilling rig

Casing: 0 ft. to 480 ft. Type Hvy Size 6 5/8

Casing:        ft. to        ft. Type        Size       

Casing:        ft. to        ft. Type        Size       

Perforated or Screened: Ft. 470-480 to ft. 394-414. Ft. 335-353 to ft. 275-295

Type of screen or perforations Torch slots

Static Water level, for non-flowing well: 250 feet.

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

Pumping water level 190' feet at 14 gal. per min.

How tested: Bailed

Length of test 4 hours

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

Gravel packed around casing w/ 3/4" gravel

Bailed at 20' No water  
(over)

# Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	25	Rock and gumbo
25	117	Blue shale
117	161	Coarse black sand
161	163	Hard sand rock
163	166	Shale
166	167	rock
167	175	Shale
175	205	Sand
205	225	Shale
225	260	Sand
260	280	Shale
280	322	Sandy clay
322	325	Sand rock
325	334	Sandy clay
334	380	Sand and clay stks.
380	400	Clay
400	409	Sand
409	411	Rock
411	418	Clay
418	426	Firm sand and sand rock
426	437	Shale
437	438	Hard sand rock
438	447	Shale
447	450	Firm sand
450	465	Clay
465	473	Hard sand stringer
473	511	Blue shale



T. 15 R. 55 25  
County Douglas

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
FEB 17 1961

WATER WELL LOG

STATE ENGINEER

		X

Owner Penrod Drilling Co. Address Billings, Texas  
Driller Edgar L. White - 11222 Billings Address Billings, Montana  
Date Started 6-10-60 Date Completed 6-20-60  
Location: Sec. 25 T. 15 R. 55 1/4 sec. 21.24.25.26.27.28.29.30

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other: oil drilling rig

Casing: 1 ft. to 4136 ft. Type 4 1/2" Size 1 1/2"  
Casing: 4136 ft. to 4144 ft. Type 4 1/2" Size 1 1/2"  
Casing: 4144 ft. to 4155 ft. Type 4 1/2" Size 1 1/2"

Perforated or Screened: Ft. 4136-4144 to ft. 4144-4155 Ft. 4155-4165 to ft. 4165-4175

Type of screen or perforations 5" L. slot

Static Water level, for non-flowing well: 250' feet.

Shut-in pressure, for flowing well: 14 lb./sq. in. on: 14 (date)

Pumping water level 140' feet at 14 gal. per min.

How tested: well

Length of test 1 1/2 hr.

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

Gravel packed around casing w/ 1/4" packer

250' static water

140' pumping water

1 1/2 hr. test

14 gal. per min.

(over)

## Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	25	Rock & Gumbo
25	117	Blue shale
117	161	Coarse black sand
161	163	Hard sand rock
163	166	Shale
166	167	rock
167	175	Shale
175	205	Sand
205	225	Shale
225	260	Sand
260	280	Shale
280	322	Sandy Clay
322	325	Sand rock
325	334	Sandy Clay
334	380	Sand & Clay str.
380	400	Clay
400	409	Sand
409	411	Rock
411	418	Clay
418	426	Firm sand & sand rock
426	437	Shale
437	438	Hard sand rock
438	447	Shale
447	450	Firm sand
450	465	Clay
465-473		Hard sand stringers
		473-571 Blue Shale

File No. ....

DUPLICATE

T. 15 R. 55

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

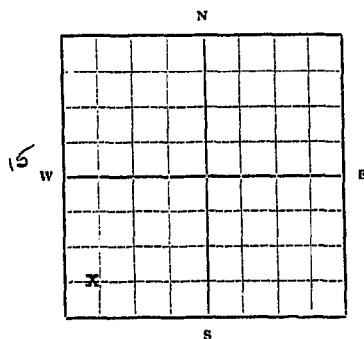
RECEIVED  
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Robert L. Gueliff, of 334 Prospect Dr., Glendive  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 29 T. 15 R. 55

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 100 miner's inches

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 so used

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 about June 1953

8. The depth of water table about 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 30 ft. with 4" casing

10. The estimated amount of groundwater withdrawn each year Not known

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

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

Signature of Owner Robert L. Gueliff

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 School of Mines and Quadruplicate for the Appropriator.

14198

286433

STATE OF MONTANA  
County of Dawson

Filed for record this 23rd day of  
December A. D. 1965, at  
9:00 o'clock A.M.  
Gordon W. Russell  
County Clerk and Recorder.

By \_\_\_\_\_ Deputy.

Hel PD #200

File No. ....

T. 15N R. 55 East

DUPLICATE

County of Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
3 1962

STATE ENGINEER

**Notice of Completion of Groundwater Appropriation  
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater .....

Owner Von W. Jones Address Glendive, MontanaContractor (if any) NoneAddress of Contractor NoneDate Started Not applicable Completed Not applicable

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Means of obtaining groundwater are by 8 natural springs lying along the creek in the Northwest Quarter (NW $\frac{1}{4}$ ) of the North Half (N $\frac{1}{2}$ ) of the Southwest Quarter (SW $\frac{1}{4}$ ) and

Northwest Quarter (NW $\frac{1}{4}$ ) of the Southeast Quarter (SE $\frac{1}{4}$ ) of Sec. 29, Twp. 15N, Range 55 East  
Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use Year around use  
with an estimated quantity of water developed  
at 2 miner inches per spring for a total of  
16 miner inches. These figures are based upon  
estimated flow of water from the springs.

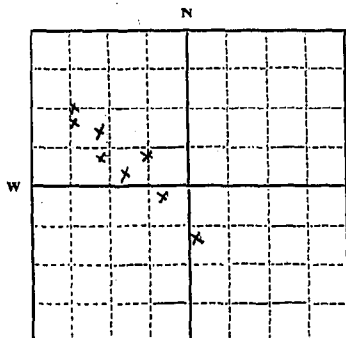
Signature of Owner Von W. JonesDate June 25, 1962

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.

NW, SW, SE  $\frac{1}{4}$  of Sec. 29, T15N R. 55E

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

279819

STATE OF MONTANA  
County of Dawson

Filed for record this 25<sup>th</sup> day of  
June A. D. 1962, at

11:00 o'clock A. M.

Gordon W. Russell  
County Clerk and Recorder.

By Alvin Austin Deputy.

Fee pd. \$2.00

File No. ....

T. 15N R. 55E

DUPLICATE

County of Dawson

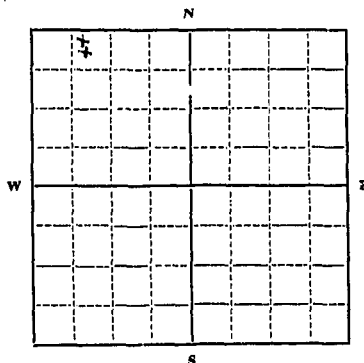
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
3  
STATE ENGINEER

1. Wm W. Jones of Glendive, Montana  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 of Sec. 29 T. 15N R. 55E

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 two domestic water wells
3. Date or approximate date of earliest beneficial use; and how continuous the use has been North well was drilled in 1956; the south well drilled in 1943; use has been continuous since date well was drilled
4. The amount of groundwater claimed (in miner's inches or gallons per minute) one miners inch per well or 10.22 gallons per minute per well
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 Estimated one-half acre of lots have been irrigated from these wells
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump, jet system; for location of each well, see diagram
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well commenced and completed on the north in 1956; the south well begun and completed in 1943
8. The depth of water table 25 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 The size of each well is estimated to be 8 inches with 6 inch casing with a depth of 60 feet
10. The estimated amount of groundwater withdrawn each year 3 acre feet per well or 6 acre feet per year for both wells
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 Wm W. Jones

Date June 25, 1962

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

Please answer all questions. If inapplicable, 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.

279818

STATE OF MONTANA  
County of Dawson

Filed for record this 25<sup>th</sup> day of  
June A. D. 1962, at  
11:00 o'clock A. M.

Gordon W. Russell  
County Clerk and Recorder.

By Oliver Austin Deputy.

Fee pd. # 2.00



File No. ....

T. 15 R. 33

DUPLICATE

County of Dawson

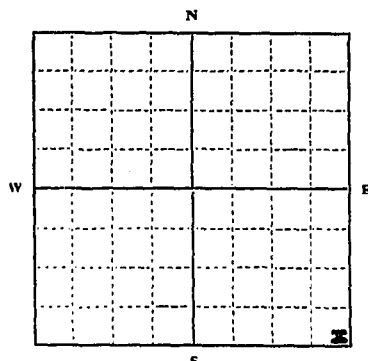
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Charlie Diefel, of C. B. Route Glendive  
(Name of Appropriator) (Address) (Town)

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



SESE 1/4 SE Sec. 30 T. 15 R. 33

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

2. The beneficial use on which the claim is based  
Livestock and Garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1942 Continuous

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1941

8. The depth of water table 5 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 Deep of well 122 feet 6" casing  
Cylinders set at 60 feet below the pipe unknown water rising within 5 feet of the top.

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

Date December 9, 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 to the Appropriator.

286170

STATE OF MONTANA  
County of Dawson

Filed for record this 9<sup>th</sup> day of  
December A. D. 1963, at  
3:30 o'clock P. M.

Gordon H. Russell  
County Clerk and Recorder.

By Larry Schmitt Deputy.

Fee pd. \$2.00

70/31

File No. ....

T. 15 R. 55

DUPLICATE

County. Dawson

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..... Before 1942

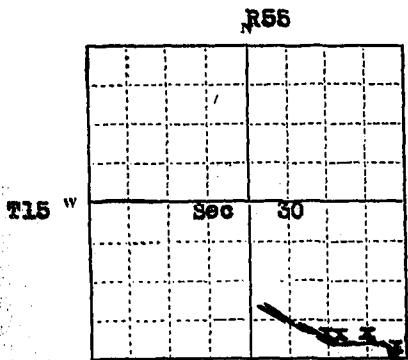
Owner Charlie Diefel Address C. B. Route  
Glendive, Montana

Contractor (if any) ..... None

Address of Contractor ..... None

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

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



SE 1/4 Sec 30 T15 R55 Sec 31  
NE 1/4 Sec 30 T15 R55 Sec 32

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. Continuous

960,000 Gals per year

Signature of Owner Charlie Diefel

Date. December 9, 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.

286169

STATE OF MONTANA  
County of Dawson

Filed for record this 9<sup>th</sup> day of  
December A. D. 1963, at  
3:30 o'clock P. M.

Gordon H. Russell  
County Clerk and Recorder.

By Laye Scheithin Deputy.

Fee pd. \$2.00

File No. ....

T. 15 R. 55

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

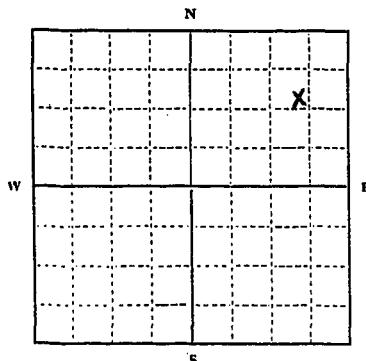
RECEIVED  
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Adam Haas, of C.B. Pt, Bladine  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 30 T. 15 R. 55

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 & Stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1943
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gal a minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal jet pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1943
8. The depth of water table 18 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 Depth 90 casing 90 intake pipe 40 ft
10. The estimated amount of groundwater withdrawn each year 2000.000
11. The log of formations encountered in the drilling of each well if available unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Adam Haas

Date DEC 20 1963

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

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

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

14195

286414

STATE OF MONTANA

County of Dawson ENGINEERS

Filed for record this 20th day of  
December A. D. 1963, at  
4:45 o'clock P.M.

Gordon W. Russell  
County Clerk and Recorder.

By \_\_\_\_\_ Deputy.

He D 212

File No. ....

T. 15 R. 55

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

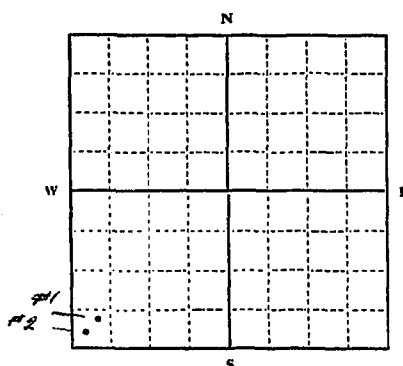
RECEIVED  
JAN 14 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Merlin + Myrtle Boushard, of CBRT Blundine  
(Name of Appropriator) (Address) (Town)

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



SW 1/4 Sec. 31 T. 15 R. 55

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 livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1940 #1 continuous since  
1952 #2 continuous since
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10-15 gal per min. each well
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. Only irrigation is for farm  
land used plan to - 100 acres
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. #1 - 1940  
#2 - 1952
8. The depth of water table. 20'
9. So far as it may be available the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.  
#1 has 6" casing with pump 10' below ground level  
#2 dead point in basement of house
10. The estimated amount of groundwater withdrawn each year. #1 - 1,000,000 gals. #2 - 110,000 gals.
11. The log of formations encountered in the drilling of each well if available. no log
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

Merlin BoushardDate 12-27-62

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.

31693

286552

STATE OF MONTANA  
County of Dawson

Filed for record this 27th day of  
December A. D. 19 63, at  
3:00 o'clock P.M.

Gordon W. Russell  
County Clerk and Recorder.

By \_\_\_\_\_ Deputy.



File No. ....

T. ~~15~~ R. ~~55~~ <sup>31</sup>

DUPLICATE

County Dawson <sup>32</sup>

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 14 1964  
STATE ENGINEER

1. Jesse Engle, of 715 S. Sargent Ave  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana File No.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

N 5-6

	31		32	
15				
	0		0	
W				E
14			5	
				0

31 + 32 - 15 - 55

1/4 Sec. T. R.

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

5-14-56

2. The beneficial use on which the claim is based on use for  
Cattle & Horse & Horse, feed use

3. Date or approximate date of earliest beneficial use; and how continu-  
ous the use has been Since 1952, continuous  
the 3 neighbors of this area of 32 acres  
are all drilled since 1952.

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 69 gpm, continuous flow with an  
18 gpm per minute for the 32 acres.

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 loca-  
tion of each well or other means of withdrawal 1 well on Sec 32  
and 2 more on Sec 31 & 32

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater 1952

8. The depth of water table 190 feet to 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 1 well on Sec 32, 12" dia, 10' deep  
and 2 more on Sec 31 & 32, 12" dia, 10' deep

10. The estimated amount of groundwater withdrawn each year 1 million gallons estimate

11. The log of formations encountered in the drilling of each well if available The well on Sec 32 was  
drilled in 1952, 12" dia, 10' deep, 12" dia, 10' deep, 12" dia, 10' deep  
12" dia, 10' deep, 12" dia, 10' deep, 12" dia, 10' deep

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 well on Sec 32, 12" dia, 10' deep  
and 2 more on Sec 31 & 32, 12" dia, 10' deep

Signature of Owner Jesse EngleDate 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.

51956

286850

STATE OF MONTANA  
County of Dawson

Filed for record this 31<sup>st</sup> day of  
December A. D. 1963, at  
3:30 o'clock P.M.

Gordon H. Russell  
County Clerk and Recorder.

By Jay Scheetlin Deputy.

File No. ....

T. 15 R. 55

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

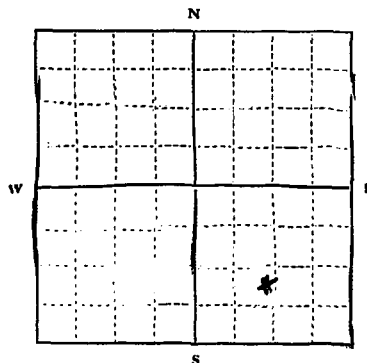
RECEIVED  
DEC 23 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

HENRY TRANGMOE  
C. B. R. T. E.  
1. GLENDIVE, MONTANA, of C. B. R. Glendive  
(Name of Appropriator) (Address) (Town)  
County of Dawson State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S-E-1/4 Sec. 31, T. 15, R. 55

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

2. The beneficial use in which the claim is based used for  
household and livestock

3. Date of approximate date of earliest beneficial use; and how continu-  
ous the use has been 1940  
near continuous

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 50 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  
for house and shrubs  
is around farmstead  
Henry Trangmo

6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal  
use electric automatic pressure  
branch located in farm yard

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater about 1 month in 1940  
again

8. The depth of water table 25 ft unknown

9. If the water is available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater hand dug with 30"  
hole at bottom corral with 5' steel tank  
25 ft deep

10. The estimated amount of groundwater withdrawn each year 365,000 gal.

11. The log of formations encountered in the drilling of each well if available surface clay  
20 ft getting sandier  
gravel after striking water

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  
found

Signature of Owner Henry Trangmo

Date 12-10-63

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.

11280

288377

STATE OF MONTANA  
County of Dawson

Filed for record this 19<sup>th</sup> day of  
December, A. D. 1963, at  
1:30 o'clock P.M.

Richard W. Russell  
County Clerk and Recorder.

By Faye Scheithin Deputy.

See Pd. #200

File No. ....

T. 15 R. 55

DUPLICATE

County Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 23 1963

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 287 Montana Session Laws, 1961)

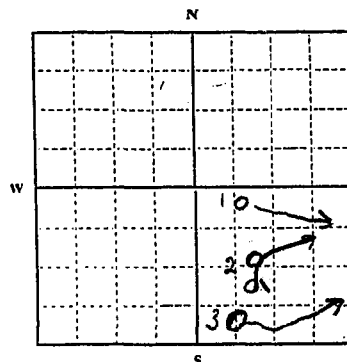
Date of Appropriation of Groundwater 12-10-63

HENRY TRANGMOE  
C. B. EITZ  
GLENDIVE, MONTANA  
Address Henry Trangmoes Glendive Mont.

Contractor (if any) .....

Address of Contractor None

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



S-E 1/4 Sec. 31 T. 15 R. 55

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. no. 1 flow water as arrow points.  
no. 2 - Bureau of Reclamation drain ditch  
no. 3 natural spring

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

estimate approximate lengths of periods of use. am using

terms we use in measuring irrigation  
no. 1 about 1/4 sec. ft. water  
no. 2 about 1/2 sec. ft. water  
no. 3 about 1/3 sec. ft. water

Signature of Owner Henry TrangmoesDate 12-10-63

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.

286378

STATE OF MONTANA  
County of Dawson

Filed for record this 19<sup>th</sup> day of  
December A. D. 1903, at  
1130 o'clock P.M.

Lockwood H. Russell

County Clerk and Recorder.

By Faye Schutlin Deputy.

See Pl. #200

File No. ....

T. 15 R. 55

DUPLICATE

County Deer

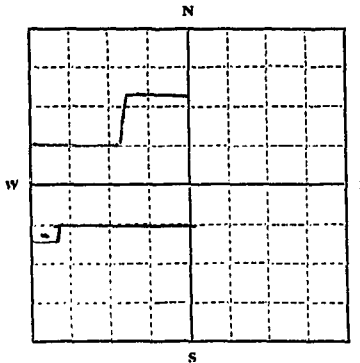
**STATE OF MONTANA**  
**ADMINISTRATOR OF GROUNDWATER CODE**  
**OFFICE OF STATE ENGINEER**

**RECEIVED**  
 JAN 14 1964

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. Alice Bass & Emma Bass, of C. B. Rd. Fl. line  
 (Name of Appropriator) (Address) (Town)  
 County of Deer State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 31 T. 15 R. 55

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

2. The beneficial use on which the claim is based Household and livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been March 1943  
used year around
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 gals 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 pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
8. The depth of water table 18 feet to water well is 49 feet deep
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
10. The estimated amount of groundwater withdrawn each year 85000
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.

Signature of Owner Emma Bass

Date DEC 27 1962

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

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

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

31703

286562

STATE OF MONTANA  
County of Dawson

Filed for record this 27<sup>th</sup> day of

December A. D. 1963, at

12 o'clock P.M.

W. Russell  
County Clerk and Recorder

By \_\_\_\_\_ Deputy



15N-55E  
County **DAWSON** 32

546.32

319876

STATE OF MONTANA

County of Dawson

Filed for record this 29<sup>th</sup> day of

June A.D. 19 13 at

3:50 o'clock P.M.

Gordon H. Russell

County Clerk & Recorder

By Madeline R. Russell Deputy

## GROUNDWATER INDEX

Page 1 of 1County Dawson Twp. 15 N Rge. 56 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Nat Box Land & Cattle Co.	HW 4	286654	Dec. 17-3
2	Fass, R. H.	HW 3	286651	Sections 2, 4, 12, 14, 26, 28, 30, 32
2	Fass, R. H.	HW 4	286649	2 & 12 Sections
3	Nat Box Land & Cattle Co.	HW 4	286654	See Sec 1 Above
4	Stuegis, Lawrence & Thorne	HW 4	287021	-
4	Fass, R. H.	HW 3	286651	See Sec. 4 Above
10	Stuegis, Lawrence & Thorne	HW 3	287022	-
10	Schaff, Anna Mary	HW 4	286668	Sections 2, 4, 12, 14, 26, 28, 30, 32
11	Nat Box Land & Cattle Co.	HW 4	286653	See 11, 28, 32 & 33
12	Fass, R. H.	HW 4	286649	See Sec 2 Above
12	Fass, R. H.	HW 3	286651	See Sec 2 Above
14	Fass, R. H.	HW 4	286650	7 & 21 & 34 Sections
14	Fass, R. H.	HW 3	286651	See Sec 2 Above
23	Fass, R. H.	HW 3	286651	See Sec 2 Above
24	Fass, R. H.	HW 3	286651	See Sec 2 Above
25	Fass, R. H.	HW 3	286651	See Sec 2 Above
26	Fass, R. H.	HW 3	286651	See Sec 2 Above
26	Fass, R. H.	HW 4	286650	See Sec. 14 Above
26	Votawald, Albert	HW 4	286372	-
31	Engle, Jess & Estella	HW 2	319852	-
32	Engle, Jess & Estella	HW 2	319853	-
34	Fass, R. H.	HW 4	286650	See Sec 14 Above
31/32	Engle, Jesse	GW 3	286851	

GW

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

File No. ....

DUPLICATE

T. 15N 26E

County. Dawson

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 14 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Hot Ben Land & Cattle Co. of Glenview Mont.  
(Name of Appropriator) (Address) (Town)

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

Sec. 17-14-15N 2E-14-14-R5T

	X				
	17			14	X
W					E
	3	X		1	
				X	

Sec. 3-15-R5E Sec. 1-15-R5E

1/4 Sec. T. R.

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since owned from 1960 on

4. The amount of groundwater claimed (in miner's inches or 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 irrigation past time stock use

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill Sec. 17-14 following with Sec. 3-1

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sec 17-14 well drilled in 1962 Sec 1 drilled in 1960 Sec 13 drilled in 1958 and depth unknown

8. The depth of water table \_\_\_\_\_

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 Sec 17 202 ft deep with casing 4 1/2 in. 11 ft from surface to 19 ft. Sec 13 19 ft. casing 4 1/2 in. 11 ft from surface to 19 ft. Sec 1 202 ft deep with casing 4 1/2 in. 11 ft from surface to 19 ft. Sec 1 202 ft deep with casing 4 1/2 in. 11 ft from surface to 19 ft.

10. The estimated amount of groundwater withdrawn each year 1 1/2 in. casing and allowed to 3" water for about 200 cows per month.

11. The log of formations encountered in the drilling of each well if available Hard sand and mudstone

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 Hot Ben Land & Cattle Co.

Date Jan. 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.

31777

286654

STATE OF MONTANA  
County of Dawson

Filed for record this 30<sup>th</sup> day of

December A. D. 1963, at  
11:00 o'clock A. M.

Gordon H. Russell  
County Clerk and Recorder.

By Faye Schutlin Deputy.

File No. ....

T. 15 R. 56 589

DUPLICATE

County DAWSON

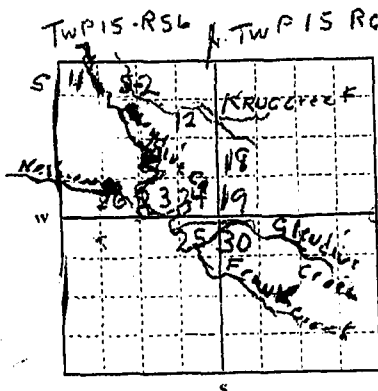
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 14 1964

ENGINEER

**Notice of Completion of Groundwater Appropriation  
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1908Owner R. H. Foss Address Box 415 Sidney  
Mont.Contractor (if any) NONEAddress of Contractor NONEDate Started AT BEGINNING OF TIME Date Completed SAME TIMEDescribe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. FROM GROUND LEVELSPRINGS, ORIGINATING IN, ditches  
chaury Coulees, Rivelets and Washestributaries of Glendive & FrankCREEKS, KRUG CREEK, AND NELSON COULEE,WHICH MAKES LIVE WATER FOR LIVESTOCK  
Quantity of water developed and used with explanation of method  
used to measure or estimate such amount. If use is intermittent  
IN THOSE CREEKS & COULEES.estimate approximate lengths of periods of use 55 YEARSCONTINUED USE - FOR LIVESTOCKNOT FOR IRRIGATION - NOT PRACTICAL  
to broken.

1/4 Sec. T. R.

Indicate point of appropriation  
and place of use, if possible.Sections 2, 4, 12, 14, 24, 25,  
26, 30 TWP 15-R56Section 30-TWP 15-R57Signature of Owner R. H. FossDate Dec 27-1963

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.

286651

STATE OF MONTANA  
County of Dawson

Filed for record this 30<sup>th</sup> day of  
December A. D. 1963, at  
11.00 o'clock A.M.

Gordon H. Russell  
County Clerk and Recorder.

By Lyle Smith Deputy.

Fee pd. \$2.00

File No. ....

T 15 R 56

DUPLICATE

County DAWSON CO

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

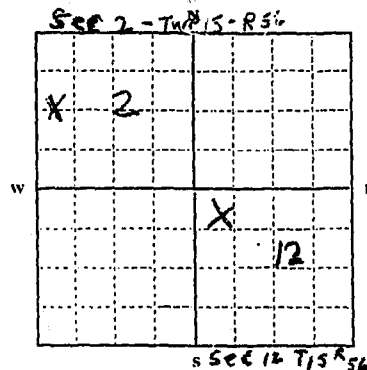
RECEIVED  
JAN 14 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. R. H. Foss, of Box 415, Sidney, Mont  
(Name of Appropriator) (Address) (Town)  
County of DAWSON 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.

- The beneficial use on which the claim is based: WATERING  
Live stock
- Date or approximate date of earliest beneficial use; and how continuous the use has been: continuous  
Sec 2 well - year 1962 - Flowing  
Sec 12 well - year 1960 - not used much, hand  
Pump P. Reason, Wind Mill, but ready for  
connection 1963 in Dec.
- The amount of groundwater claimed (in miner's inches or gallons per minute): Well No 2 sec. Flowing 20 Gallons  
Sec 12 well - 15 Gallons - Pump wind mill
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner: NONE
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Sec 2 well -  
Flowing - Sec 12 well - Pump wind mill
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Exact date not know - Sec 2 well in 1962 and Flowing  
Sec 12 well in 1960 - Pump + Wind Mill withdrawal
- The depth of water in: Sec 2 well - 160 ft - Flowing - Sec 12 well 200 ft - 8 ft
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Sec 2 well - drilled 4 in casing 1 1/2 in pipe  
100 ft deep and Flowing well - Sec 12 well - drilled 4 in casing 1 1/2 in pipe  
NONE Flowing 200 ft deep, 8 ft to top of water, with drawl  
by Pump and Wind Mill
- The estimated amount of groundwater withdrawn each year: Sec 2 well - 1440000 gal, Sec 12 well  
1080000 gal
- The log of formations encountered in the drilling of each well if available: Have no information  
ON these wells as to Log, but would be like formation  
as others drilled in Twp 15 - R 56 - Clay - Fine Sand -  
Shale
- 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

R. H. FossDate Dec 27 - 1963

Three copies to be filed by the owner in 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.

31772



286649

STATE OF MONTANA  
County of Dawson

Filed for record this 30<sup>th</sup> day of  
December A. D. 1943, at  
11:00 o'clock A.M.

Gordon H. Russell  
County Clerk and Recorder.

By Faye Scheith Deputy.

Fee pd. \$2.00

File No.....

T. 15 R. 56

**DUPLICATE**

County DAWSON

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 14 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1 ANNA MARY SCHAFF, of 234 Woodford St. Missoula  
(Name of Appropriator) (Address) (Town)

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

Sec 10-T, <sup>N</sup>5-R-56.

A 10x10 grid with handwritten 'X' in the top-left cell and '10' in the cell below it. The grid is labeled 'w' on the left and 's' at the bottom.

..... $\frac{1}{4}$ ..... 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 Livestock  
WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been home-steaded 1911  
Well drilled in 1958 - continuous use
4. The amount of groundwater claimed (in million gallons or gallons per minute); Sec 10 well, Flowing - 20 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  
NONE
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
Sec 10 well Flowing into TANK

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. EXACT DATE NOT KNOWN BY ME - WITHDRAWAL BY FLOWING.
8. The depth of water table. SECTION WELL - 130 ft flowing.
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. SECTION WELL - DRILLED #4 IN CASING 1 1/2 INCH PIPE - 130 ft DEEP. FLOWING. 4 1/2" WATER TANK
10. The estimated amount of groundwater withdrawn each year. 1440000 GALLONS
11. The log of formations encountered in the drilling of each well if available. I HAVE NONE. WOULD BE SAME AS OTHER WELLS DRILLED IN T15-R56.
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

Owner - Anna Mary Schell  
by R. H. Foss, Jr.  
Signature of Owner

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.

31794

286668

STATE OF MONTANA  
County of Dawson

Filed for record this 30<sup>th</sup> day of  
December A. D. 1963, at  
3:00 o'clock P.M.  
Garth W. Russell  
County Clerk and Recorder.

By \_\_\_\_\_ Deputy.

Fee pd. \$2.00

File No.....

**DUPLICATE**

T. 15<sup>th</sup> R. 56  
County Dakota

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

AN 14 1964

STATE ENGINEER

1. Not Bar Land and Cattle Co., of Box 123, Glendive (Town)  
County of DAWSON, State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

N

~~Sec. 28-T16-R56/Sec 11-T15R56~~

28	11
X	X
32	33 X

Sec. 32-T16-R56 / Sec. 33-T16 R56

..... $\frac{1}{4}$ ..... 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. House use and

**Live stock**

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

1958 bill NOW

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

from 1 gal per min to 25 gal

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

Sec. 28 is used for home ranch, live stock and garden. Others used only for live stock.

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

all four wells

is flowing

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

**Drilled in 1958**

8. The depth of water table.

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.

works for the withdrawal of groundwater. Sec 28-depth unknown but have understood is 85 ft. flows 25 gal per min. -is used at ranch- 2 1/2 inch casing. Sec. 33 4 inch casing reduced to 1 1/2 pipe-flows 15 gal per min. Sec. 32 4 inch casing reduced to 1 1/2 pipe -flows 4 gal per min. depth unknown. Sec. 11 4 in. casing reduced to 1 1/2 pipe flows 1 gal per min. depth believed 300 ft.

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

unknown

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

not available

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

Signature of Owner.

Hot Bar Land & Cattle Co

Date..... By A. W. Eaton  
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.

31776