

File No. ....

T. 5S. R. 1W., M. P. M.

DUPLICATE

County. Madison

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

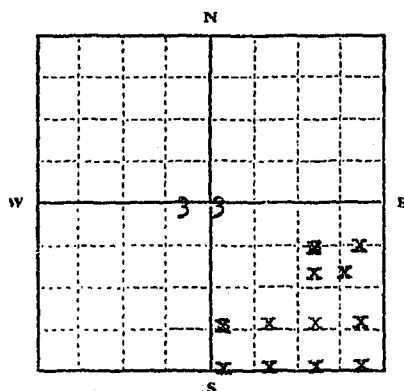
RECEIVED  
DEC 30 1963

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Paul W. Tillinger, Jr., of Ennis (Address) Ennis (Town)  
(Name of Appropriator)  
County of Madison State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 33, T. 5S, R. 1W., M. P. M.  
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 use and stockwater and irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 0.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) The total flow of well when needed estimated at 50 miners inches, statutory measurement per sec. of time. Well in about SE 1/4 of Sec. 33.

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 Eighty acres of the ranch.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Power jet pump, 2 inch pipe in well attached to pump, encased in 6 inch casing.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced and completed well in April 1946.

8. The depth of water table is 3 feet to contact from surface.

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 State highway, Olson - Tillinger drain No. 1 appropriated for stockwater by the undersigned and his pre-decessors in the fall of 1947 (October) amount appropriated is 50 miners inches, s.m. per sec. of time. This drain cuts through the SE 1/4 of Section 33, T. 5S, R. 1W., M. P. M.

10. The estimated amount of groundwater withdrawn each year The total flows in each case when needed.

11. The log of formations encountered in the drilling of each well if available 0.

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 0.

Signature of Owner .....

Date 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.

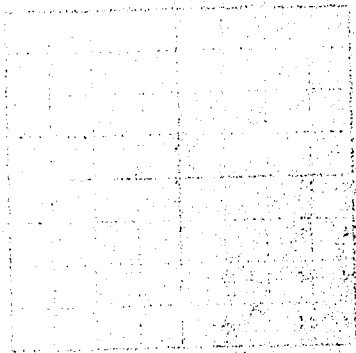
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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.

15069

28531

*Paul H. Tilling*



RECORDER'S OFFICE,  
Jackson County, Montana.

Filed *Dec. 27 1963*

*Paul H. Tilling*  
County Recorder

By \_\_\_\_\_ Deput

200

File No. ....

MONTANA WATER RESOURCES BOARD

**RECEIVED**

T. 56 R. 17

DUPLICATE

NOV 25 1969

County Madison

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

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

4 state water level

6 Top Soil + Sandy Clay

8

10

12

14

16 Gravel

18

20

22

24

26 Sand

28

30

32

34

36 Sand & Gravel with Clay

38

40

42

44

46

48 Sand & Fine Gravel

50 Bottom of well

Show exact depth of bottom.

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Erna Reintz and Jack Reintz Address Jeffery  
210 16th St. Dr.

Driller Donald C. Jones Address Bozeman, Montana

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

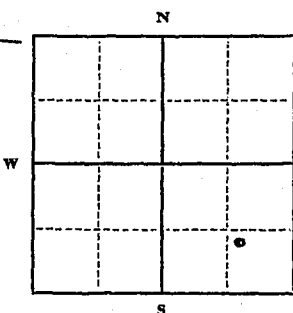
Date well started Sept. 24, 1969 Date completed Sept. 27, 1969

Type of well Drilled Equipment used Churn Drill  
(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)	Screen PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 in.	6" 80 D. 19#	12' above Ground	45'	Johnson 5 1/2" x 1 1/2" S.T.W. 1 .025 slot	45'	50'



8E 4 5E 4  
1/4 Sec 34 T. 56 R. 17  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 4 feet.

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

Pumping Water Level 45 feet at 40 gal. per minute.

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

How Tested PumpLength of Test 1 hr.

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

(Continue on reverse side)

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

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

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

Driller's License Number 17Driller's Signature Donald C. Jones

45908



GV

File No. ....

DUPLICATE

RECEIVED

FEB 11 1964

T. 5S R. 1W

County Madison

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

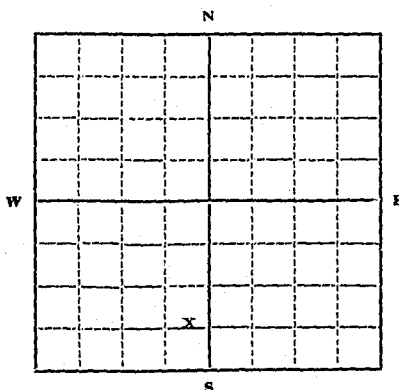
RECEIVED

DEC 30 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Ralph L. Paugh, of Ennis  
 (Name of Appropriator) (Address) (Town)  
 County of Madison State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW Sec 34 T. 5S R. 1W

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

2. The beneficial use on which the claim is based.....  
House and Stock use
3. Date or approximate date of earliest beneficial use; and how con-  
 tinuous the use has been. 1905 and continuous use  
since that time
4. The amount of groundwater claimed (in miner's inches or gallons  
 per minute)..... 1000 Gal per minute
5. If used for irrigation, give the acreage and description of the lands  
 to which water has been applied and name of the owner thereof  
 .....
6. The means of withdrawing such water from the ground and the  
 location of each well or other means of withdrawal.....  
Electric Pump Well
7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
 drawal of groundwater..... 1905
8. The depth of water table..... not known
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..... Specification of well not known. Six  
inch well casings
10. The estimated amount of groundwater withdrawn each year..... 40,000..... gallons
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.....

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.

15043

28494  
Paul L. Fough

Figure 6

[illegible]

RECORDER'S OFFICE, )  
Madison County, Montana. ) ss

Filed Dec. 27 1963

at 9:46 o'clock - 9 - m

County Recorder

3y

7-2 \$70.00

100

File No. ....

DUPLICATE

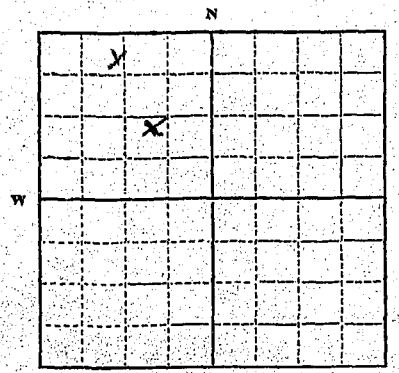
T. S. E. 1/4 S. 1/2 W. 36  
County Madison  
RECEIVED  
JAN 6 1964  
STATE ENGINEER

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 early 80  
Owner Mary Isabelle Jeffers  
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.

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.

1/4 Sec. 36 T. 5 R. S. 1/2 W.

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

Signature of Owner Mary Isabelle Jeffers  
Date Dec 30 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.

short of copies so am putting 2 approvals  
this & paying 4.00 9/11/89

29108

*Mary Isabelle Jeffers*

RECORDER'S OFFICE, } ss.  
Madison County, Montana. }

Filed *Dec. 31* 19 *63*

*4:41* clock *P.* m.  
*Paul W. [Signature]*  
County Recorder

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

Fee \$ \_\_\_\_\_



File No. ....

DUPLICATE

T. 5 N. R. 5 W. S. 14  
County, *Jefferson*  
JAN 6 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 *used since 1920*

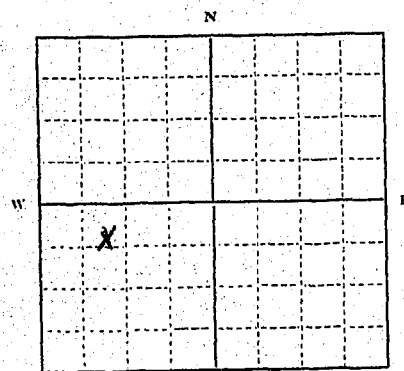
Owner *Mary Isabelle Jeffers* Address *Jeffers*

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. *natural process*  
*spring*



*1/4 Sec 36 T. 5 R. 5 W*

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. *25"*

*Visual observation*

Signature of Owner *Mary Isabelle Jeffers*

Date *Dec 30-1963*

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.

29109

*Mary Isabelle Jeffers*

RECORDER'S OFFICE, }  
Madison County, Montana, } ss.

Filed *Dec. 31* 19 *63*

*4:12* o'clock *P.M.*  
*Paul S. Pearson*  
County Recorder

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

Fee \$ *2.00*

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

DUPLICATE

T. 55 R. 1WCounty Madison

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

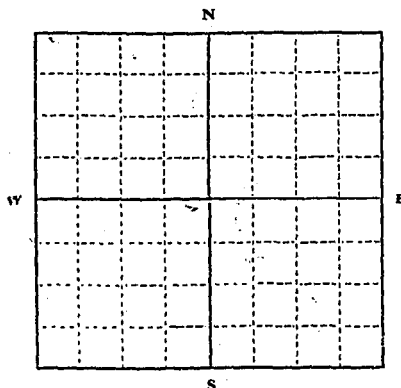
RECEIVED  
JAN 3 1963

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Charles C + Iva M Edmond, of Box 334 Ennis  
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. T. 55 R. 1W

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 on irrigation and possible household use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Approximate 1947 earliest beneficial use  
Continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gal per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof East 1/2 of lot 2 and all of lot 3 in block 2 of Amitage addition of the town of Ennis  
Charles C + Iva M Edmond
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electrical jet pump located on lot 3
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater unknown to present owners
8. The depth of water table approximate 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 6 in casing drilled to depth of 45 ft.
10. The estimated amount of groundwater withdrawn each year 800,000 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 my records have been recorded to knowledge of present owners

Signature of Owner Iva M Edmond  
Charles C. Edmond

Date 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.

19672

28750

Charles L. and  
Iva M. Edmond

RECORDER'S OFFICE, } ss.  
Madison County, Montana.

Filed Dec. 30 1963

at 4:13 o'clock P. m.

Charles L. Edmond County Recorder

by \_\_\_\_\_ Den

Fee \$ 2.00

File No. ....

T. 6 S. R. 12

DUPLICATE

County .....

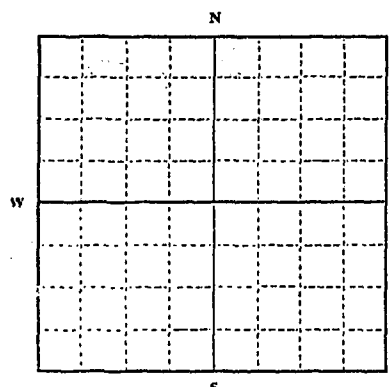
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John J. or Monati Gorman, of Box 264 Ennis  
(Name of Appropriator) (Address) (Town)  
County of Madison State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T. R.

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

2. The beneficial use on which the claim is based irrigation + possible household use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been approximately 1946  
continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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  
lots 1-2-3 Block 5 Armitage addition Town of Ennis
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump located in lot 1 Block 5

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater improvement to present owner but was started and completed about 1946
8. The depth of water table 12 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled 4 in casing to depth of about 34 ft.
10. The estimated amount of groundwater withdrawn each year 750,000 gal.
11. The log of formations encountered in the drilling of each well if available no log kept.
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 as far as known to present owner no records of wells recorded.

Signature of Owner

John J. Gorman  
Monati Gorman

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.

19671

28749

*John J. or  
Donati Lormen*

*Twisted vs. 1963  
washed*

RECORDER'S OFFICE,  
Madison County, Montana.

Filed *Dec 30* 1963

at *4:12* o'clock *P.* M.

*Paul J. B.*  
County Recorder

By *[Signature]* Deputy

Fee \$ *[Signature]*

*Twisted vs. 1963  
washed*

*Twisted vs. 1963  
washed*

*Twisted vs. 1963  
washed*

*Twisted vs. 1963  
washed*

*Twisted vs. 1963  
washed*

File No. ....

DUPLICATE

RECEIVED

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

FEB 4 1964

T 5 S. 1 W. 1 West

County Madison

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

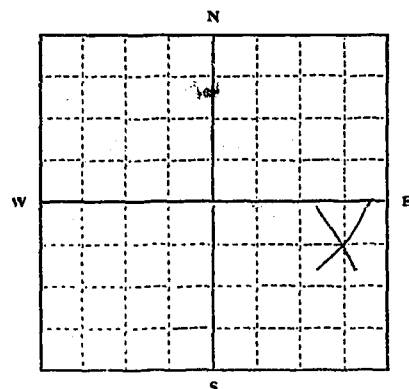
RECEIVED  
DEC 31 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Winifred C. Jeffers, of Ennis,  
(Name of Appropriator) (Address) (Town)  
County of Madison State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T. R.

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

2. The beneficial use on which the claim is based stock water.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been From Nov 8 1949
4. The amount of groundwater claimed (in miner's inches or gallons per minute) cannot say hand pump used.
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  
Well located on Ennis Homestead Lot.  
Lot owned by appropriator named above.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal hand pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov. 8 1949
8. The depth of water table probably about 4 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 Drilled well, 6 inch casing, 29 feet deep.
10. The estimated amount of groundwater withdrawn each year cannot estimate
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

Signature of Owner

Date

*Winifred C. Jeffers*  
*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.

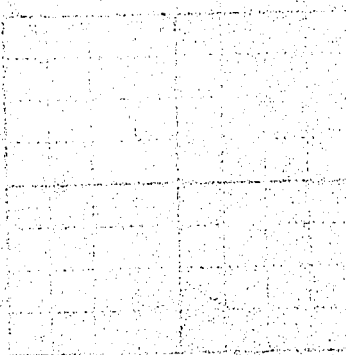
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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.

34797

7 9/104

Wimpus & Jeffers



RECORDING OFFICE  
Madison County, Montana

Filed: Dec. 31 - 1963

at 4:47 o'clock P.M.

*Paul L. Sandberg*  
County Recorder

By *Paul L. Sandberg* Deputy



GW

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

File No. ....

Townsite of Ennis

T. R.

DUPLICATE

Madison

County

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Schoenek

Ennis

1. Ferdinand A. Schoenek and Johanna M. of

(Name of Appropriator)

(Address)

(Town)

County of Madison

State of Montana

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


Lot 6 Block 8 Muel Add  
to Ennis T. R.

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

2. The beneficial use on which the claim is based  
Irrigating lawns

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

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) have no way of knowing, just used  
in connection with garden hose

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

6. The means of withdrawing such water from the ground and the loca-  
tion 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 with-  
drawal of groundwater June 1950

8. The depth of water table 38 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 four inch casing

10. The estimated amount of groundwater withdrawn each year No idea

11. The log of formations encountered in the drilling of each well if available No idea

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

Ferdinand A. Schoenek  
Signature of Owner Johanna M. Schoenek  
Date December 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.

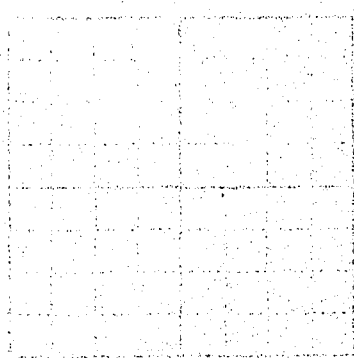
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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.

19673

28751

Ernest A and  
Johnna M Shoensak



RECORDER'S OFFICE,  
Madison County, Montana.

Filed Dec 30 1963

at 4:18 o'clock P. M.  
*Paul J. B...*  
County Recorder

By [Signature] Deputy

RECEIVED  
JUL 17 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 5-8 R. 1W  
County Madison

WATER WELL LOG

Sec. 33


Owner Earl Scheeler Address Ennis Montana  
J. J. Kerkvliet  
Driller S. E. K. Co. Address Alder Montana  
Date Started 5 / 3 / 58 Date Completed 5 / 24 / 58  
Location: Sec. 33 T. 5-8 R. 1W 1/4 sec.

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: 13 ft. to 90 ft. Type Black Steel Size 6 inch

Casing:                      ft. to                      ft. Type                      Size                     

Casing:                      ft. to                      ft. Type                      Size                     

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

Type of screen or perforations                     

Static Water level, for non-flowing well: 25 feet.

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

Pumping water level 30 feet at 40 gal. per min.

How tested:  bailer

Length of test 30 Minutes

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

②

(over)

RECEIVED  
JUL 17 1958  
STATE ENGINEER

T. 5-8 R. 1 NW  
County Madison

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

bc. 33


Owner Earl Schelsler Ernis Montana  
Address Ernis  
Driller J. J. Kerkvliet  
S. K. Co. Address Alder Montana  
Date Started 5 / 3 / 58 Date Completed 5 / 24 / 58  
Location: Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ 1/4 sec \_\_\_\_\_

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: 15 ft. to 98 ft. Type Black Steel Size 6 inch  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

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

Static Water level, for non-flowing well: 25 feet.

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

Pumping water level 30 feet at 40 gal. per min.

How tested: Bailer

Length of test: 30 Minutes

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

(over)

## Log of Well

[illegible]

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das heisst

## GROUNDWATER INDEX

Page 1 of 1

County Madison Twp. 58 Rge. 12

[illegible]

GW

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

File No. ....

DUPLICATE

T. 55 R. 1E

County MADISON

JAN 6 1964

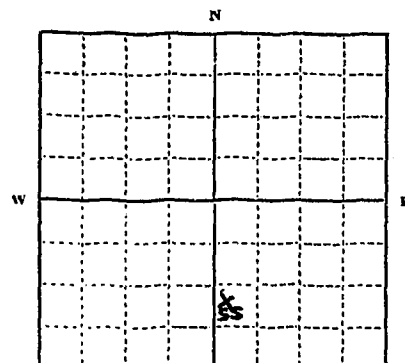
STATE ENGINEER

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. BEN D. SHEFFIELD, of ENNIS  
(Name of Appropriator) (Address) (Town)  
County of MADISON State of MONT  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 6 T. 55 R. 1E

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 + LIVESTOCK
3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
1928
4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
TEN INCHES FROM SPRINGS  
50 gal per min. ON PUMP
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 ACRES OWNED BY APPROPRIATOR
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
electric pump and gas pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
May 1963 on two springs
8. The depth of water table  
12 feet on 1 well - two springs flow
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.  
12 ft dug well - flowing spring at base - pumped.  
4 ft excavation for two springs
10. The estimated amount of groundwater withdrawn each year  
1,000,000 gals.
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.  
Springs Supplemental to decreed irrigation water

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.

24755

20009  
*Paul D. Sheffield*

RECORDER'S OFFICE, }  
Madison County, Montana. }

Filed *Dec 31* 19*63*

*4:47* o'clock  
*Paul D. Beardsley*  
County Recorder

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

Page \$ \_\_\_\_\_



County Madison

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 Windy Water Ranch  
Walter A. J. J. J. J. J.  
Address Duris, Montana

Date well started 7-16-70  
completed 7-17-70

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

Equipment used cable tool  
(Churn drill, rotary or other)

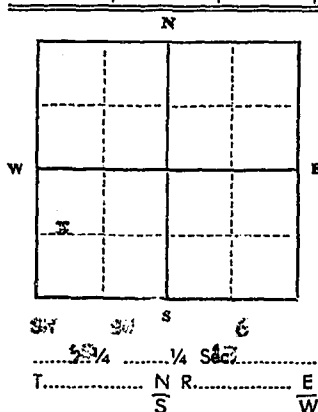
Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*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 1,000,000 gal.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
5"	6 5/8"	41	55	Kind Size	From (Feet)	To (Feet)
	18.97			4 1/2"	50	55



Static water level ..... 5' ..... ft.\*  
Pumping water level ..... 7' ..... ft.\*  
at ..... 120 ..... 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) .....

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

Griggs Drilling Contractor

Driller's Signature P.O. Box 1083, Dillon, Montana 59725

Driller's Address 148

LIC. NO. 148

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	1	topsoil
1	12	gravel, boulders & rock
12	28	gravel, sand
28	42	sandy clay
42	50	gravel
50	55	small gravel (water)
55	57	clay

55 Show exact depth of bottom

44030

File No. ....

JAN 3 1966

T 5 S R 1 E 7

DUPLICATE

 Blk. \_\_\_\_\_  
 But. \_\_\_\_\_  
 Co. \_\_\_\_\_  
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 Sec. \_\_\_\_\_

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County MADISON

 STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

 Top of Ground  
 (Elev. above sea level 4860)

 Notice of Completion of Groundwater  
 Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner JOURDAIN CREEK RANCH Address ENNIS, MONT.

Driller M. E. JONES Address BOZEMAN

Date of Notice of Appropriation of Groundwater 12/31/65

Date well started 9/24/63 Date Completed 9/25/63

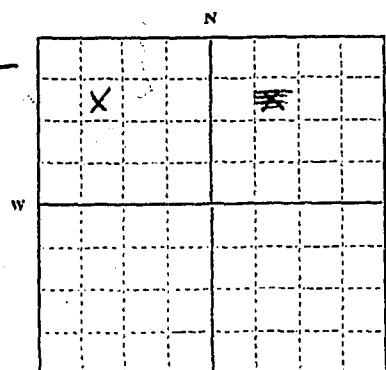
 Type of well DRIVEN Equipment Used DRILL (CHURN)  
 (dug, driven, bored or (Churn, drill, rotary or  
 drilled) other)

 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.

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38 FINE  
40 GRAVEL  
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44 SAND  
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48 CLAY  
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Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD, X 19"	-3	-47.5			
		47.5'	54'	NONE		


 NW 1/4 Sec. 7 T 5 S R 1 E  
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 14 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 54 feet at 40 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested PUMP Length of Test 5 HRS.

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

acres irrigated, if used for irrigation)

DOMESTIC

17

 Driller's License Number  
 Jourdain Creek Ranch Co. Inc.  
 Jack M. Watkins Pres.  
 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.

40325

33304

33304

RECORDERS OF DEEDS  
Madison County, Montana.)

Filed Dec 31 1965

at 2:45 o'clock P. m.

Mary Q. Myers  
County Recorder

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

Tee \$ 2.00

DEC 14 1965

File No. \_\_\_\_\_  
Bille \_\_\_\_\_ McDermott \_\_\_\_\_  
Butzerin \_\_\_\_\_ McNulty \_\_\_\_\_  
**DUPLICATE** Coyie \_\_\_\_\_ Morton \_\_\_\_\_  
Darlington \_\_\_\_\_ Sullivan \_\_\_\_\_  
Dickert \_\_\_\_\_

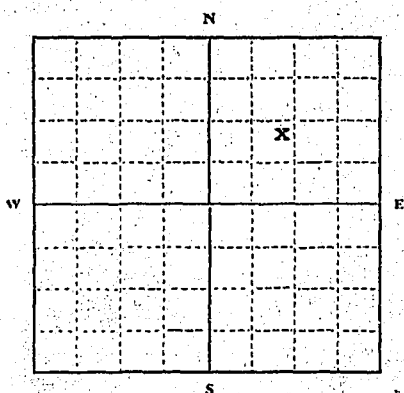
T. ~~XX~~ 5S. R. 1E  
County Madison

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)



SW  $\frac{1}{4}$  NF Sec. 9, T. 5S. R. 1E

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

Date of Appropriation of Groundwater 1900  
Owner Peter T. Combs Address Ennis, Montana  
Contractor (if any) None  
Address of Contractor None  
Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

- 1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) sub-irrigation and developed spring
- 2) Means of withdrawing water (gravity, pump, canal, etc.) gravity
- 3) Depth of water table \_\_\_\_\_
- 4) Use of the water domestic use and livestock
- 5) Amount of groundwater claimed (in miner's inches, or gallons per minute) 2  $\frac{1}{2}$  cubic feet per second year round
- 6) If used for irrigation, give number of acres and description of land \_\_\_\_\_
- 7) Estimate amount of water used each year continuous use

Signature of Owner Peter T. Combs

Date 13 Dec 65

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.

40000

33171

SEAL WATER CONVEYANCE BOARD

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RECORDER'S OFFICE, }  
Madison County, Montana. } SS.

Filed Dec 13 1965

at 11:25 o'clock 9 m

By Mary Q. Myers  
County Recorder

Fee \$ 2.00 Deputy

File No. ....

DUPLICATE

Reg. 1 E 145 S

County MADISON

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

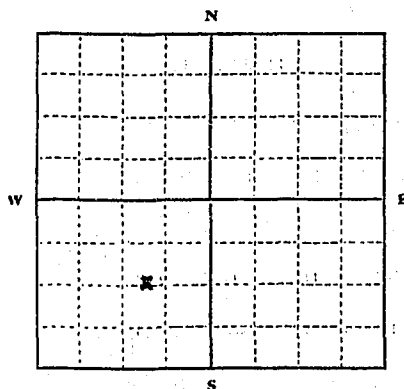
RECEIVED  
JAN 3 1964

# Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. PHIL YECKEL, of JUMPING HORSE STOCK RANCH, ENNIS  
(Name of Appropriator) (Address) (Town)

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



SW  $\frac{1}{4}$  Sec 49 T 35 S R 1 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.....

HOUSE AND STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1949; USE HAS BEEN CONTINUAL FOR AT LEAST A PORTION OF EACH YEAR.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30-50 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

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

DOWN WELL CENTRIFUGAL ELECTRIC 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. 25'

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. VARIES WITH THE NUMBER OF STOCK

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

*Phil Yeckel*

Date 24 Dec 63

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

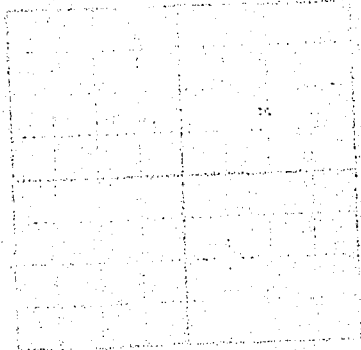
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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.

19674

28752

*Phil Yurkel*



RECORDER'S OFFICE, } ss.  
Madison County, Montana. }

Filed Dec 30 1963

at 4:15 o'clock 10 m

*Charles S. Yurkel*  
County Recorder

By \_\_\_\_\_ Denr

Fee \$ 2.00

RECEIVED  
MAY 28 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 5 S R. 1 E  
County Madison

WATER WELL LOG

X			

Owner H. Ida B. Kellogg Address Dennis, Montana  
Driller Carl P. Hollensteiner Address Dillon, Montana  
Date Started Apr. 7, 1958 Date Completed Apr. 15, 1958  
Location: Sec. 28 T. 5 S R. 1 E  $\frac{1}{4}$  sec. SW  $\frac{1}{4}$  SW  $\frac{1}{4}$

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: merchant casing 6.75 lb

Casing: 80 1/2 ft. to 80 1/2 ft. Type 4 1/2 galv Size 6.75 lb  
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 None

Static Water level, for non-flowing well: 68 feet.

Shut-in pressure, for flowing well:        lb./sq. in. on: 4-5 (date)

Pumping water level:        feet at Bailer gal. per min.

How tested: one hr.

Length of test:       

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
Started drilling in well drilled 1945. Water stood 4 ft on start  
drilled to 80 1/2 ft. water level went down with casing. Log on top 53 1/2  
ft not available.

(over)



### Log of Well

[illegible]

17232

Alfred Kelly

RECORDERS' OFFICE,  
Madison County, Montana. ss.

Filed May 27 1958

11:10	9.
9 o'clock	9.

County Recorder

[illegible][illegible]

680

File No. ....

DUPLICATE

T. 5 E. S. 5 E.

County MADISON

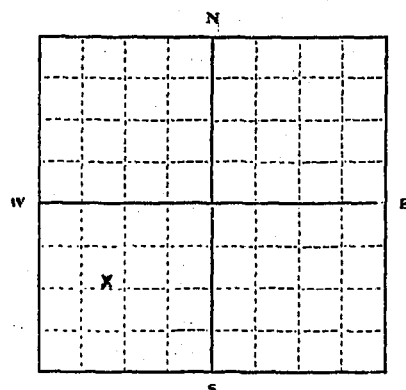
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1962

# Declaration of Vested Groundwater Rights: ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. PHIL YECKEL, of JUMPING HORSE STOCK RANCH, ENNIS  
(Name of Appropriator) (Address) (Town)  
County of MADISON State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW  $\frac{1}{4}$  Sec 28 T5S R5E

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

2. The beneficial use on which the claim is based.....  
HOUSE AND STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....1959 HAS BEEN USED CONTINUOUSLY SINCE DATE.

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....30-50 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.....

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

DOWN WELL CNTRIFUGAL ELECTRIC PUMP

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

8. The depth of water table.....125'

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.....VARIES WITH USAGE IN THE HOUSE AND STOCK

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.....

Date.....24/Dec/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.

19675

28753

*Phil Yessel*

RECORDERS OFFICE,  
Madison County, Montana.

Filed *Dec 30* 19*63*

at *4:16* o'clock *P*.m.

*Paul H. Bradley*  
County Recorder

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

Wage \$ \_\_\_\_\_

35

File No. ....

T 5S R 1E

DUPLICATE

County Madison

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

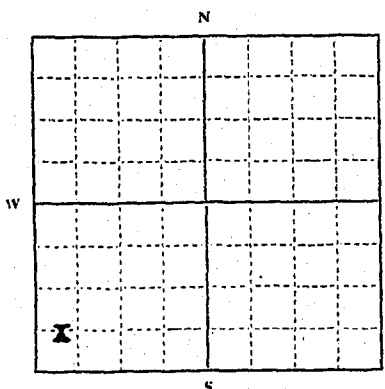
JAN 3 1963  
STATE ENGINEER

## Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater about 1890Owner Bernice E. HaydenAddress Jeffers, Mont.Contractor (if any) not applicableAddress of Contractor not applicableDate Started about 1890 Date Completed about 1921

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water was first run from open spring through trough to stock pens and house. Then spring was excavated and concrete collecting tank installed--piped to farmstead for household use and stock water. Depth of tank 15 feet.

SW 1/4 Sec 35 T 5S R 1E

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

Used in the NW 1/4 of the NW 1/4 in Section 3, T6S, R1E.

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. Visual estimate of quantity--20 gallons per minute. Water is in constant use.

Signature of Owner

Bernice E. Hayden  
James R. Hayden

Date Dec. 30, 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 Quaduplicate for the Appropriator.

19842

28927

Bernice E. and  
James R. Hayden

28927

RECORDER'S OFFICE, } ss.  
Madison County, Montana.

Filed Dec 31 1963

at 1:50 o'clock P.M.

Charles S. Pearson  
County Recorder

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

For 200

## GROUNDWATER INDEX

Page 1 of 1

County Madison Twp. 52 Rge. 2E

[illegible]

GW3

File No. ....

TRIPLICATE

T. 59. R. 2E.

County Madison

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JUN 11 1962

STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 1937  
U.S. Forest Service

Owner Ennis Ranger District Address Ennis, Montana

Contractor (if any) Not applicable

Address of Contractor " "

Date Started June 1937 Date Completed June 1937

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

of a wooden spring box and 20' feet of cast iron pipe.

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

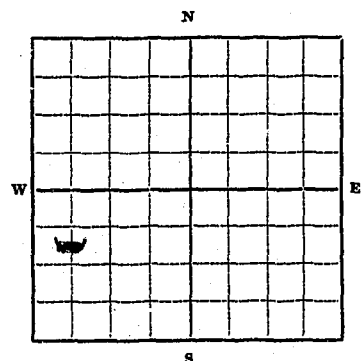
The spring flows approximately 4 gal. per minute.

The rate of flow was based on an ocular estimate.

The water is used during the spring, summer and fall months.

Signature of Owner George W. Wood, District Ranger

Date November 5, 1962



SW 1/4 Sec. 32 T. 59. R. 2E.

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

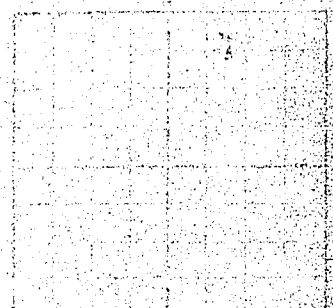
This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

26232



RECORDER'S OFFICE, } ss.  
Madison County, Montana. }

Filed Dec. 10 1962  
at 8:41 o'clock P.m  
Paul H. Beardsley  
County Recorder  
By Paul H. Beardsley Deputy



## GROUNDWATER INDEX

Page 1 of 1

County Madison Twp. 6S Rge. 7W

[illegible]

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

**RECEIVED**

DUPLICATE

DEC 14 1967

T. \_\_\_\_\_ R. \_\_\_\_\_

County Madison

Log \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

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

**Notice of Completion of Groundwater  
Appropriation by Means of Well**

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

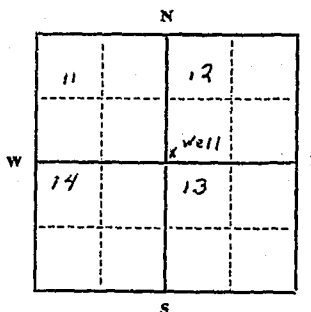
160  
20  
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170  
180  
190  
200  
210  
220  
230  
240  
250  
260  
2700-2 top soil  
2-23 cemented gravel 7  
cobblestone  
23-120 tan sandy clay  
120-130 yellow clay  
130-160 tan clay with  
gravel  
160-190 sandy clay  
190-260 sandy clay  
(little water)  
260 270 tan clayOwner East Bench Ranch Address Dillon, MontanaDriller O'Keefe Drilling Co. Address Butte, Montana

Date of Notice of appropriation of groundwater \_\_\_\_\_

Date well started Nov. 7, 1967 Date completed Nov. 15, 1967Type of well drilled Equipment used churn drill  
(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)
6"	6" I.D. 17 lb.	0	231			
	5" shop made screen	225-275		torch		
				Shop made screen		

Static Water Level for non-flowing well  
190 feet.

Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 250 feet  
at 7 gal. per minute.

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

How Tested balerLength of Test 2 1/2 hrs.

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

SM 1/4 of Sec. 12, T. 4 S., R. 2 W.  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

#8  
Driller's License NumberDriller's Signature  
O'Keefe

42,671

37673

East Bench Ranch

RECORDER'S OFFICE, } ss.  
Madison County, Montana. }

Filed Dec. 15 1967

at 10:00 o'clock 9 a.m.

Law Waterman  
County Recorder  
By Marie T. Peck Deputy

Fee \$ 2.00

DATE	TIME	FILE NO.	RECORD NO.	BOOK	PAGE	INDEXED	SERIALIZED	FILED
DEC 15 1967	10:00	37673						

## GROUNDWATER INDEX

Page 1 of 1

County Madison

Twp. 6 S

Rge. low

[illegible]

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

T. 6S R. 6W, M.P.M. 21

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

County: Madison

JAN 6 1964

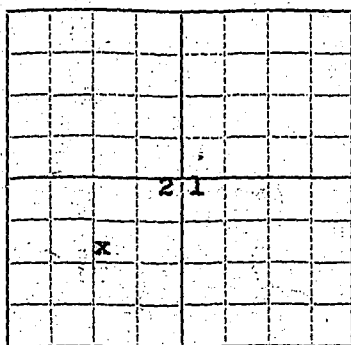
STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Spring

I, Nyhart Brothers, of Twin Bridges,  
(Name of Appropriator) (Address) (Town)  
County of Madison State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SW 1/4 Sec. 21 T. 6S R. 6W

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

2. The beneficial use on which the claim is based. Livestock water, household use, and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1915 continuously ever since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 miners 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. 1 acre - garden and lawn near house owned by Orril and Lester Nyhart.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Natural flow spring.
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. 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. spring.
10. The estimated amount of groundwater withdrawn each year. 10 miners inches year around.
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.

Signature of Owner

Earl J. NyhartDate December 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.

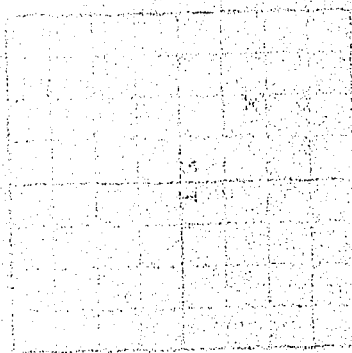
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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.

24647

28993

*Mykaal Brothers*



NO. 60 ISSUANCE

28993

RECORDER'S OFFICE,  
Madison County, Montana.

Filed Dec. 31 1963

at 2:54 o'clock P.m.

*Charles N. [Signature]*  
County Recorder

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

Fee \$ 2.00

GW

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

File No. ....

DUPLICATE

T. 6S R. 6W, M.P.M.

County Madison

JAN 8 1964

STATE ENGINEER

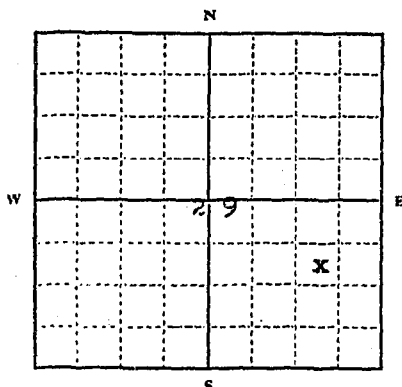
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Spring

1. Claud A. Butts, of Twin Bridges  
(Name of Appropriator) (Address) (Town)  
County of Madison State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NE 1/4 SE 1/4

1/4 Sec. 29, T. 6S. R. 6W

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 1900 and continuously ever since.
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 natural flow spring.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1900.
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 none
10. The estimated amount of groundwater withdrawn each year 10 gallons per minute, year around
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

*Claud A. Butts*  
*Grace N. Butts*

Date December 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.

24752

291197

*Claud A. Butts*

29097

RECORDER'S OFFICE, } ss.  
Madison County, Montana.

Filed Dec. 31 1963  
at 4:45 o'clock PM

*Claud A. Butts*  
County Recorder

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

Fee \$2.00



## GROUNDWATER INDEX

Page 1 of 1

County Madison Twp. 68 Rge. 5W

[illegible]

T. 6S.....R. 5W.....M. P. M.

County...Madison.....

RECEIVED  
JAN 3 1964

# ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

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

2. The beneficial use on which the claim is based.....~~appropriation for~~  
.....~~stockwater.~~.....

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1864 as to each of three springs described in plat.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) the total flow of these three springs  
estimated at 15 miners each per second of time.

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

0

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

in tanks and cattle drink from the tanks.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater..... 1864 commenced and completed.

8. The depth of water table.....~~variable estimated 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.

10. The estimated amount of groundwater withdrawn each year.....~~the total flow of each of said spring~~

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. Two springs are located in SE<sup>1</sup> of Section 24 and one spring is located in NE<sup>1</sup> of Section 25; all in township 6S, R.5W,  
M.P.M.

Signature of Owner.

Date December 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.

19742

28825

*Frank and Mary L. Kelly*

RECORDER'S OFFICE, }  
Madison County, Montana. }

Filed *Dec. 31* 19*63*

*R. P. P.* o'clock *11*  
*W. S. H. H. H.*

County Recorder

By

Fee \$

Demit

County MadisonTwp. 6 SRge. 4 W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	Hansen, L. W.	Hw 4	28376	Sec. 2 + 11
4	Hulman, Lowell L.	Hw 4	28937	
4	Hansen, Chris E. + Esther	Hw 4	26796	
4	Hansen, L. W.	Hw 4	28283	
4	Mize, Dick	Hw 2	42961	
5	Claypool, David	Hw 4	28636	
6	Smith, Wm. W.	Hw 4	28458	
8	Anderson, John J.	Hw 4	28918	
8	Dobson, Lawrence A., Monahan, Jessie L. + Robert E.	Hw 4	28614	
8	Elly, Alvise Claudine	Hw 4	28885	
8	Flotter, Carl W. + Alice E.	Hw 4	28612	
8	Spangler, Harley H.	Hw 4	28869	
8	Huipman, Ed J.	Hw 2	49255	
8	Hudson, John R. + Wilma	Hw 4	28761	
8	Miller, James S.	Hw 4	28658	
8	Moan, Leonard	5 Well Log	18891	
8	Moan, Leonard	Hw 3	28518	
8	Moan, Leonard	Hw 4	27662	
8	Moan, Michael	Hw 2	44566	
8	Southeast, Karl L.	Hw 4	28475	
9	Bock, Tomas + Ethel	Hw 4	28534	
9	Elly, Jennie F.	Hw 4	28772	
9	Hartford, Delbert	Hw 4	28770	
9	Hartford, Delbert	Hw 4	28771	
9	Hettick, Wilbur	Hw 4	28919	
9	Hindman, C.	Hw	29658	
9	Hindman, Cleo	Hw 4	28652	
9	Jones, Tony L.	Hw 4	28687	
9	Kitson, Ray	Hw 4	28618	
9	Metzel, E. S.	Hw 2	39388	
9	Mortensen, David + Gladys	Hw 4	28954	
9	Mortensen, David + Gladys	Hw 4	28951	
9	Mortensen, David + Gladys	Hw 4	28952	
9	Northern Pacific Railway Co.	Hw 4	28027	
9	O'Brien, M. H.	Hw 4	28740	
9	Pige, C. A.	Hw 2	36674	
9	Reagan, Elmer	Hw 2	28801	
9	Reynolds, Louis	Hw 2	30964	
9	Rogers, R. H.	Hw 4	28636	
9	Small, Beas	Hw 4	28686	
9	Small, Susan	Hw 2	28685	
9	Smith, George O.	Hw 4	28399	
9	Smith, Kate E.	Hw 4	28950	
9	United Sierra Div.	Hw 2	41586	
	Cypress Mining Co.			

County MadisonTwp. 68Rge. 4W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
10	Conklin, N.D.	Hw4	26462	
10	Conklin, N.D.	Hw4	24626463	
10	Elser, Archie	Hw4	28528	
10	Gilman, Harold S. & Alice E.	Hw4	28754	
10	Gilman, Lowell	Hw4	28932	
10	Gilman, Lowell	Hw4	28934	
10	Lechenow, Anna + C.E.	Hw4	28767	
10	Osborn, Lewis V.	Hw2	39798	
11	Handen, J.W.	Hw4	28376	See page 1, Sec. 2
14	Bowen, Chas. A. + Homer C.	Hw4	28830	
15	Brown, J.D. + Corine	Hw3	28892	Sec. 15 + 16
15	Brown, J.D. + Corine	Hw4	28893	
15	Revelle, Robert J. + Dorcas	Hw3	46586	Sec. 15 + 16
16	Bowen, Charles A.	Hw4	28834	
16	Brown, J.D. + Corine	Hw3	28892	See Sec. 15 Above
16	Phillips, Charles	Hw4	28683	
16	Revelle, Robert J. + Dorcas	Hw3	46586	See Sec. 15 Above
16	Sauerbier, Karl S.	Hw4	28477	
16	Sauerbier, Karl S.	Hw4	28478	
16	Sauerbier, Karl S.	Hw3	28471	
17	Gotschling, Homer C. + Eva	Hw4	28361	
17	Kelly, Frank + Mary S.	Hw4	28826	
20	Sauerbier, Karl S.	Hw4	28474	
21	Miller, Max O.	Hw4	28983	
21	Sauerbier, Karl S.	Hw4	28473	
21	Sauerbier, Karl S.	Hw4	28476	
21	Stone, Emerson, F.	Hw4	28077	
22	Ruby Dell Ranch, Inc.	Hw4	28248	
22	Ruby Dell Ranch, Inc.	Hw4	28249	
22	Ruby Dell Ranch, Inc.	Hw4	28250	
23	Bowen, Charles A.	Hw4	28835	
24	Revelle, Robert J. + Dorcas	Hw3	46585	Sec. 24 + 36
27	Ruby Dell Ranch	Hw3	28651	
28	Brannon, Ray	Hw3	49212	
28	Day, William	Hw3	27919	
28	Day, William	Hw3	27920	
28	Day, William	Hw4	27921	
28	Day, William	Hw4	27922	
28	Day, William	Hw4	27923	
28	McClary, Harold H.	Hw4	28549	
28	McClary, Don	Hw4	28730	
31	Gotschling, Homer C. + Eva	Hw4	28362	
31	Moore, Leonard	Hw4	27661	
32	Sauerbier, Karl S.	Hw3	28472	
33	Battle, Ora A.	Hw4	28765	
36	Revelle, Robert J. + Dorcas	Hw3	46585	See Sec. 36 Above

## GROUNDWATER INDEX

Page 3 of 3

County Madison Twp. 6 So. Rge. 4W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
✓	Bowey, Charles A.	HW4	28836	
✓	Bowey, Charles A.	HW4	28833	
✓	Bowey, Charles A.	HW4	28832	
✓	Wethers, R.	HW2	40723	
✓	Moran, Robert E. & Florence L. Woodhick Mrs. Leabe	57 Well Log	18006	
8	Peterson Alice Mrs	HW4	28613	
4	Peterson Alice Mrs	57 Well Log	20572	
3	Harvey, Chas. R.	HW4	28433	
3	Harvey, Chas R.	HW4	28432	
24	Burns, J. D. & Corina	HW3	28890	See 7. 62. 34
36	Burns, J. D. & Corina	HW3	28890	See 7. 62. 34
-	Joseph, Frank M, et al	4	29111-F	Segs. - 19

File No.....

T. 6 S. R. 4 W.

DUPLICATE

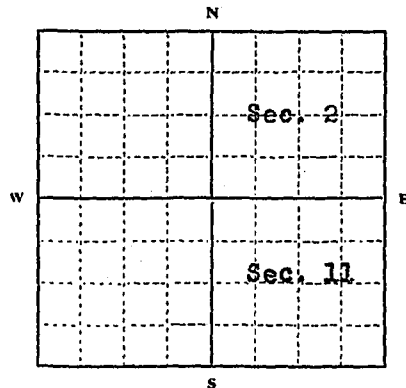
County. Madison

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 27 1963

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

1. L. W. Hansen, of Virginia City  
(Name of Appropriator) (Address) (Town)  
County of Madison State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$  Sec. T. 6 S. R. 4 W

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 an appropriation of Big Spring for stock water
- Date or approximate date of earliest beneficial use; and how continuous the use has been 1865
- The amount of groundwater claimed (in miner's inches or gallons per minute) 50 miners inches, statutory measurement per second of time.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal is the hollow or gulch stream bed in which the water of Big Spring accumulates and is made available for the L. W. Hansen livestock
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1865
- The depth of water table Variable
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
- The estimated amount of groundwater withdrawn each year 50 miners inches, statutory measurement per second of time continuously each year.
- The log of formations encountered in the drilling of each well if available
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Use this watering livestock on sections 1 and 2 and 11, T. 6 S., R. 4 W., and section 36, T. 5 S., R. 4 W., owner L. W. Hansen

Signature of Owner

Date 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.

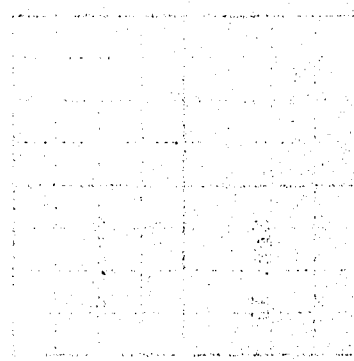
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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.

13526

28376

*L. H. Hansen*



RECORDER'S OFFICE,  
Madison County, Montana.

Filed *Dec 23* 19*63*

*Paul J. Pearson*  
County Recorder

by \_\_\_\_\_ Deputy

*2.00*



File No. ....

T. 6.5 R. 4. W.

DUPLICATE

County Madison

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

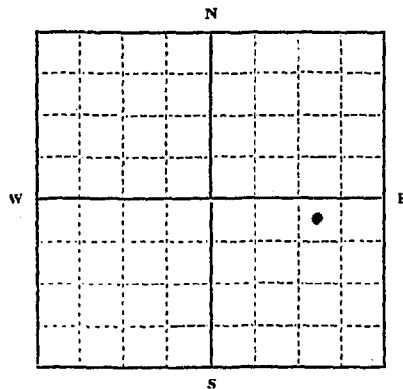
RECEIVED  
JAN 3 1963

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Lowell L. Gilman, of Alber (Name of Appropriator) (Address) (Town)  
County of Madison State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 4 T. 6.5 R. 4. W.

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 & irrigation

3. Date or approximate date of earliest beneficial use; and how continuous use has been. 1916 continuous since

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 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. 9 acres located NW 1/4 of Sec. 5 T. 6.5 R. 4. W. Lowell L. Gilman owner

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. not applicable

8. The depth of water table. surface

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. not app.

10. The estimated amount of groundwater withdrawn each year. not app.

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

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 app.

Signature of Owner

Lowell L. Gilman  
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.

9852

28937

*Lowell H. Gilman*

RECORDER'S OFFICE, ) ss.  
Madison County, Montana.)

Filed *Dec. 31* 19*62*

at *2:00* o'clock *P.* m.

*Charles S. Besideley*  
County Recorder

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

Fee \$*2.00*

File No. ....

DUPLICATE

T. 6 S. R. 4 W.County Madison

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

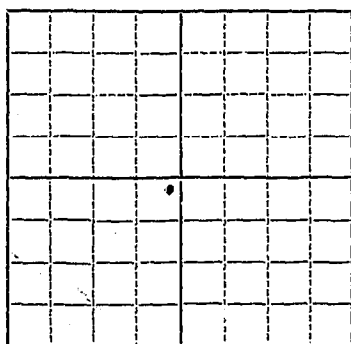
RECEIVED  
MAR 25 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Chris E. & Esther Hansen, of Alder  
(Name of Appropriator) (Address) (Town)  
County of Madison 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. 4 T. 6 S. R. 4 W.

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 Water  
Used For House Hold and Poultry + Stock

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been Earliest Use Probably  
Some Time Between 1865 and 1866  
Continuous Use Since

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 30 Gallons Per Minute  
When Needed

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 Pump on Well

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater Dug Well, Redrilled in 1949

8. The depth of water table 20 Ft. From Surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater Well is cased with 8 in iron  
Pipe, 12 Ft. Deep 50 Ft. of Water in casing

10. The estimated amount of groundwater withdrawn each year 16000 Gallons

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

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

Signature of Owner Esther Hansen

Date Mar 21, 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.

4008.

26796

*Chris E. Hansen*  
*Esther Hansen*

26796

RECORDER'S OFFICE, } ss.  
Madison County, Montana. }

Filed *Mar. 21* 19 *63*

at *9:06* o'clock *P. M.*

*Paul S. Seachey*  
County Recorder

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

Dec. S. *2-27-63*