

169224

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 19 DAY OF

Dec A.D. 1963  
AT 2:04 O'CLOCK P.M.

R. H. MATZKE

COUNTY RECORDER

Elaine J. Rossman  
DEPUTY

2.00

GW 3

File No. ....

DUPLICATE

T. 2 N. 29 E. 3  
 County Massachusetts

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

RECEIVED  
 DEC 23 1963

Notice of Completion of Groundwater Appropriation Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater unknown prior to 1950

Owner Bar. U. Bar. Cottier Address Massachusetts, Mont.

Contractor (if any) George "Bud" Hansen

Address of Contractor Roundup, Mont.

Date Started 1952 Date Completed 1952

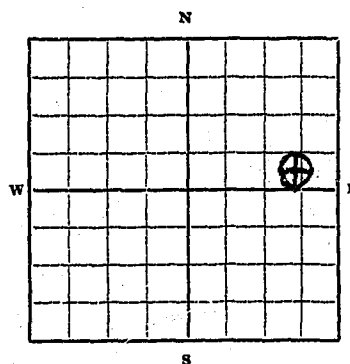
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to

water when applicable spring cleaned by

"cat" 6' deep pond made

10' wide x 50' long, 12' x 12'

wooden box ground flow



1/4 Sec. 3 T. 29 R. 29

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 intermit-

tent estimate approximate lengths of periods of use

storage pond 10' x 50',

4' deep, used 8 mo. or 7

each year

Signature of Owner Bar. U. Bar. Cottier Co.  
by Charles C. Cottier

Date 12/13/63

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 School of Mines and Quadruplicate for the Appropriator.

11638.

169223

STATE OF MONTANA.  
MUSSELSHELL COUNTY. {SS.

FILED THIS 19 DAY OF

*Dec* A.D. 19*63*  
AT 2:03 O'CLOCK *P* M.

B. H. MATZKE

COUNTY RECORDER

*Elaine J. Grossman*  
DEPUTY

2.2

File No. ....

DUPLICATE

T. 7 N R 29  
County Musselshell

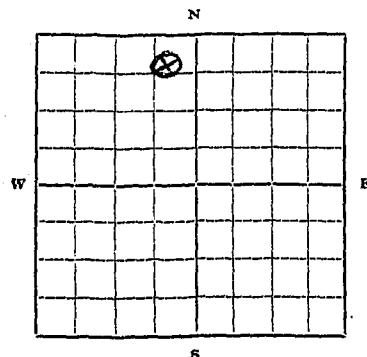
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 23 1963

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

STATE ENGINEER

1. Bar U Bar Cattle Co., of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W. 1/4 Sec. 3 T. 7 R. 29

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 1951  
continuous to date
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 g.p.m. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal windmill, pumpjack, motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1951
8. The depth of water table 160 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 235' - 6" casing  
189' - 2" tubing  
2" cylinder  
189' wooden pump rod
10. The estimated amount of groundwater withdrawn each year no gal
11. The log of formations encountered in the drilling of each well none available
12. Such other information of a similar nature as may be use. none available

Signature of Owner Bar U Bar Cattle Co.  
Charles C. White

Date 12/13/63

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.

11644

169229

STATE OF MONTANA, } ss.  
MUSSELSHELL COUNTY. }

FILED THIS 19 DAY OF

Dec A. D. 1963  
AT 2:09 O'CLOCK P M

B. H. MATZKE

COUNTY RECORDER

Elaine J. Green  
2.00 DEPUTY

File No. ....

DUPLICATE

N E 3  
T. 7 R. 29  
County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

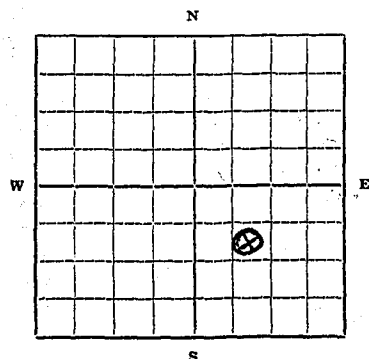
**RECEIVED**  
DEC 23 1963

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Bar U Bar Cattle Co, Inc. of Musselshell (Name of Appropriator) (Address) (Town)  
County of Musselshell State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. E. 1/4 Sec. 3 T. 7. R. 29

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 1958  
continuous to date
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gal. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump jack & gasoline motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1957
8. The depth of water table 70 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 200 ft. deep  
200' - 5" casing  
150' - 1 1/4" tubing  
150' - 3/4" steel pump rod  
2" cylinder
10. The estimated amount of groundwater withdrawn each year 100,000 gal.
11. The log of formations encountered in the drilling of each well if available 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 available

Signature of Owner Bar U Bar Cattle Co.  
Charles C. White  
Date 10/13/63

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.

11640

169225

STATE OF MONTANA, {sa.  
MUSSELSHELL COUNTY, }

FILED THIS 19 DAY OF

*Dec* A. D. 1963  
AT 2:05 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

*Elaine J. Freeman*  
DEPUTY  
\$ 2.00

File No. ....

T. 7 N. R. 29 E

DUPLICATE

County Musselshell

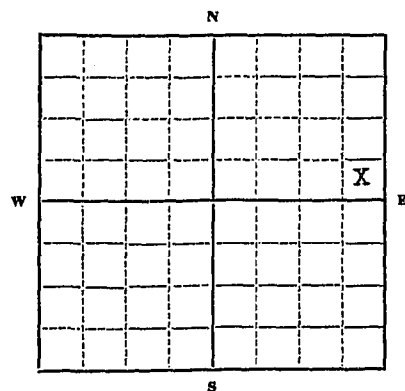
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. G. K. Murphy, of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SE  $\frac{1}{4}$  NE  $\frac{1}{4}$  Sec. 5 T. 7N R. 29E

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 Unknown earley homestead  
water use in area annuallly used
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 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  
Does not apply
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Pump with 270 ft pipe 6 in. casing  
to unknown depth  
SE  $\frac{1}{4}$  NE  $\frac{1}{4}$  5 7n, 29E
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....  
Unknown
8. The depth of water table..... about 240
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. case to depth unknown  
270 ft of pipe
10. The estimated amount of groundwater withdrawn each year..... SEEX 2000000 gal
11. The log of formations encountered in the drilling of each well if available..... none
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record..... none

Signature of Owner

Date Dec 19, 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.

3074



167373

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF

A. D. 1916

AT 11:00 O'CLOCK AM

[Signature]  
COUNTY RECORDER

DEPUTY

GV

Approved Stock Form—State Publishing Co., Helena, Montana—38687

File No. ....

T. 7 N. R. 29 E.

DUPLICATE

County. Musselshell

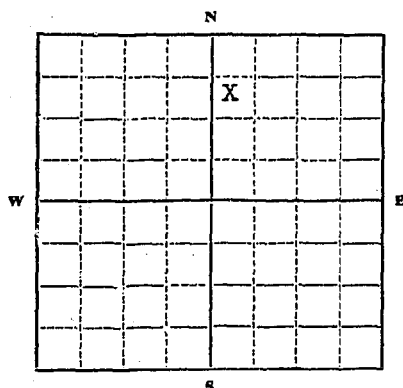
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 2 1963  
STATE ENGINEER

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



NW 1/4 NE 1/4 Sec. 6 T. 7N. R. 29E

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 con-  
tinuous the use has been 1959 seasonal each year

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute). XXXXXX 4 1/2 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

Does not apply

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

Pump  
NW 1/4 NE 1/4 Sec. 6, T. 7N. R. 29E

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater. Drilled Mar. 13 to Mar 20 1959

8. The depth of water table. 116 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 to 211 ft.

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

11. The log of formations encountered in the drilling of each well if available. 0 -20 shale 20 coal  
40 shale, 60 sandstone 80 shale 90 sand stone, water layer 116, 155 shale  
200 sand stone (contains water) 211 sandy shale, bottom

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

Signature of Owner

Date. Dec. 19, 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.

3071

167370

STATE OF MONTANA,  
MUSSELSHELL COUNTY, ss.

FILED THIS 24th DAY OF

AT Butte A.D. 19 62

[Signature]  
COUNTY RECORDER

DEPUTY

File No. ....

T. 7 N. R. 29 E.

DUPLICATE

County. Musselshell

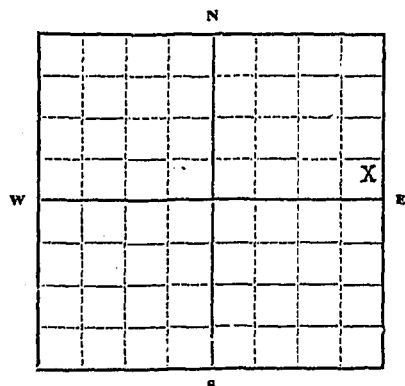
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. G. K. Murphy of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE 1/4 Sec. 7, T. 7N. R. 29E

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 con-  
tinuous the use has been. 1956  
Each season except 1962

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute). 2 1/2 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  
Does not apply

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal.  
Pump  
SE 1/4 NE 1/4 Sec. 7, T. 7N. R. 29E

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

8. The depth of water table. 600 ft. 330 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. 8" LP, 4" LP, 1" LP, 1" LP, 1" LP, 1" LP, 1" LP, 1" LP, 1" LP, 1" LP  
6 in case 250 ft. 4 in. case from 219 to 350.

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

11. The log of formations encountered in the drilling of each well if available. 0 to 250 unknown  
250 to 255 shale, 255 to 280 sand, 280 to 285 coal, 285 to 295 shale  
295 to 308 sand, 308 to 332 sandy shale, 332 to 340 water sand,  
340 to 350 shale.

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.  
Old well was unproductive deepened in 1955

Signature of Owner

Date. Dec. 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.

3075

167374

STATE OF MARYLAND  
MUSSELSBURY DISTRICT

FILED THIS Dec 31 DAY OF

AT 11/21 O'CLOCK 62

Shirley  
COUNTY CLERK

DEPUTY

GWS

File No. ....

DUPLICATE

T. 7N R. 29 E

County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1963

STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1960

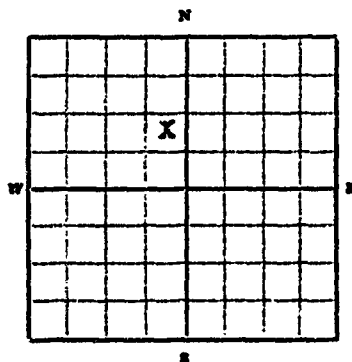
Owner G. K. Murphy Address Musselshell, Mont.

Contractor (if any) C. Roberts

Address of Contractor Roundup, Montana

Date Started Fall 1960 Date Completed fall 1960

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Dugout that hit a water bearing sandstone at about 8 to 10 ft. water 2 1/2 ft deep on East side.



SE 1/4 NW Sec 7 T. 7N R. 29E

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

150,000 gal. 75 steers @ 10 gal. for 200 days.

Signature of Owner G. K. Murphy

Date Dec. 29, 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 School of Mines and Quadruplicate for the Appropriator.

GW3

File No.

DUPLICATE

*should be GW4*

T. 7N R. 29 E

County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1960

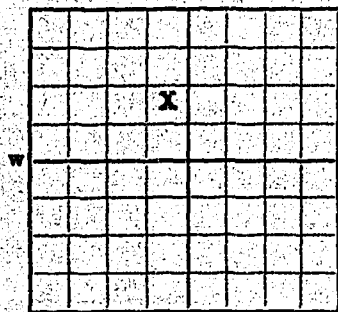
Owner G. K. Murphy Address Musselshell, Mont.

Contractor (if any) C. Roberts

Address of Contractor Roundup, Montana

Date Started Fall 1960 Date Completed fall 1960

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Dugout that hit a water bearing sandstone at about 8 to 10 ft. water 2 1/2 ft deep on East side.



SE 1/4 NW 1/4 Sec. 7 T. 7N R. 29E

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

150,000 gal. 75 steers @ 10 gal. for 200 days.

Signature of Owner

*G. K. Murphy*

Date Dec. 29, 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 School of Mines and Quadruplicate for the Appropriator.

1673 80

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF

Dec A.D. 1912

AT 11:30 O'CLOCK A.M.

*[Signature]*  
COUNTY RECORDER

DEPUTY



Not Valid

7

T. 7. N. R. 29. E.

County. Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

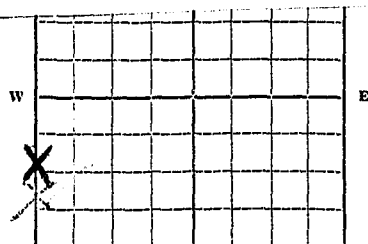
Doc. No. 185200

Filed for record

this 1st day of MARCH

Application for Vested Groundwater Rights D. 1973 at 2:20  
per Chapter 237, Montana Session Laws, 1961 P.M.

Applicant, of Musselshell, Montana 59059  
(Address) (Town)  
State of Montana  
according to the Montana laws in effect prior to January 1, 1962, as follows:



On line between sections 9 and 10  
and about 1/4 mile north of South line  
1/4 Sec. T. 7N R. 29 E

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

2. The beneficial use on which the claim is based Stock  
Domestic & Irrigation of garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Fall 1936 and continuously thereafter.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 Gallons per minute (each party is entitled to at least 1/2 one half but may use any surplus not needed by the other)

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 From 1/4 to one acre located below and to the S.E. of the well on land belonging to Angeline Taylor.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Fall 1936

8. The depth of water table 4 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 Hand dug 8 ft square - 1 1/2 in pipe to pump.

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 0 to 6' sand & clay  
6 to 10 ft. Sandstone - 10 to 12 ft blue shale

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 applicable.

Signature of Owner Angeline Taylor

Date March 1, 1973

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.

52,533

Amount Appr.  
1,372 Miner's

Helena Independent Record

File No.

DUPLICATE

T. 7 N. R. 29 E.

County Musselshell

STATE OF MONTANA

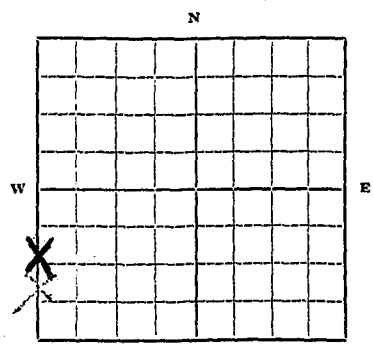
This well is believed to be ADMINISTRATOR OF GROUNDWATER CODE  
on the line between section 10 OFFICE OF STATE ENGINEER  
owned by Angeline Taylor and  
section 9 owned by  
G. K. & Margaret K. Murphy Declaration of Vested Groundwater Rights  
all of Musselshell, Mont. (Under Chapter 237, Montana Session Laws, 1961)

Doc. No. 185200  
Filed for record  
this 1st day of MARCH  
D. 1973 at 2:20  
P.M.

Angeline Taylor

1. G. K. & Margaret K. Murphy of Musselshell, Montana 59059  
(Name of Appropriator) (Address) (Town)

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



On line between sections 9 and 10  
and about  $\frac{1}{2}$  mile north of South line  
Sec. 10 T. 7N R. 29 E

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

- The beneficial use on which the claim is based Stock Domestic & Irrigation of garden
- Date or approximate date of earliest beneficial use; and how continuous the use has been Fall 1936 and continuously thereafter.
- The amount of groundwater claimed (in miner's inches or gallons per minute) 10 Gallons per minute (either party is entitled to at least 1/2 one half but may use any surplus not needed by the other)
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof From 1/4 to one acre located below and to the S.E. of the well on land belonging to Angeline Taylor.
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump Motor & Jack.

- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Fall 1936
- The depth of water table 4 ft from surface
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Hand dug 8 ft square - 1 1/2 in pipe to pump.
- The estimated amount of groundwater withdrawn each year 500,000 gallons
- The log of formations encountered in the drilling of each well if available 0 to 6' sand & clay 6 to 10 ft. Sandstone - 10 to 12 ft blue 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 not applicable.

Signature of Owner Angeline Taylor  
Date March 1, 1973

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.

52,533

185200

STATE OF MONTANA, { ss.  
MUSSELSHELL COUNTY.

FILED THIS 1 DAY OF  
March A. D. 1973

AT 2.20 O'CLOCK P. M.  
Claude F. Fletcher  
18200 COUNTY RECORDER

DEPUTY

RECEIVED  
OCT 2 1958

T. 7 R. 29  
County Musselshell

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

N  
W  
S

X		

Owner Angelina Taylor Address Musselshell Mont.  
Driller Lacy Taylor Address Musselshell Mont.  
Date Started 1941 Date Completed 1941  
Location: Sec. 16 T. 7 R. 29  $\frac{1}{4}$  sec. South West 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: \_\_\_\_\_

Casing: 0 ft. to 2.5 ft. Type iron Size 4 in.

Casing from 2.5 ft. to 7.0 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: 40 ft from bottom feet.

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

Pumping water level \_\_\_\_\_ feet at \_\_\_\_\_ gal. per min.

How tested: \_\_\_\_\_

Length of test \_\_\_\_\_

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

This well has a very slow flow of water [Poor Well].

(over)

[illegible]

### Description of Material Drilled

1

25

Sand & clay

25

70

Intermittent layers of sandstone & Blue shale

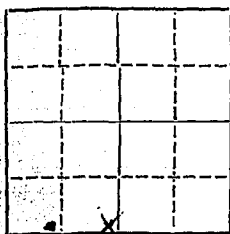
RECEIVED

NOV 24 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG



Owner ANGELINE TAYLOR Address MOSSHELL MONT.  
Driller LACY TAYLOR Address MOSSHELL MONT.  
Date Started JUNE 30 - 1959 Date Completed NOV 10 - 1959  
Location: Sec. W 1/4 10 T. 7 R. 29 1/4 sec. SOUTH WEST 1/4

LOCATION

Type of well DRILLED Equipment used CHURN DRILL  
(Dig, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☒

Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 0 ft. to 7'-7" ft. Type GALVANIZE Size 6 IN.

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: FROM SURFACE 26 feet.

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

Pumping water level FROM SURFACE 28 feet at \_\_\_\_\_ 6 gal. per min.

How tested: BAILER

Length of test: 1 HR

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



(over)

### Log of Well

[illegible]

RECEIVED  
OCT 21 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 7 R. 29 10  
County, MUSSELSHELL

WATER WELL LOG


Owner ANGELINE TAYLOR Address MUSSELSHELL MONT

Driller LACY TAYLOR Address MUSSELSHELL MONT

Date Started JUNE 1958 Date Completed OCT 9-1959

Location: Sec. 10 T. 7 R. 29 1/4 sec. SOUTH WEST 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:

Casing: NONE ft. to ft. Type Size

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: feet.

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

Pumping water level: feet at gal. per min.

How tested:

Length of test

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

NOT ENOUGH WATER TO PAY PUTTING A PUMP IN.

[DRILL HOLE 4 3/4 IN. DIAM.]

©

(over)



### Log of Well

[illegible]

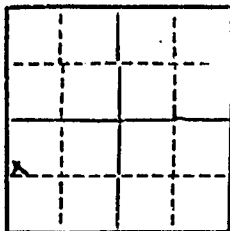
RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 29 R. 29  
County Missoula

WATER WELL LOG



Owner Angeline Taylor Address Missoula Mont.  
Driller Dug. Lucy Taylor Address Missoula Mont.  
Date Started 1936 Date Completed 1936  
Location: Sec 10 T. 7 R. 29  $\frac{1}{4}$  sec. South West 1/4

Type of well Dug Equipment used Pick shovel, churn drill, & Power  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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

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

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: 3 ft from bottom of well feet.

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

Pumping water level: \_\_\_\_\_ feet at \_\_\_\_\_ gal. per min. in spring of year

How tested: \_\_\_\_\_

Length of test \_\_\_\_\_

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

This is a dug well & has no casing. The pumping water level & gal per min varies with the season.  
The over all depth is 12 ft. [Poor Well]

(over)

### Log of Well

[illegible]

File No. ....

TRIPPLICATE

T 7 N. R 29 E.

County Musselshell

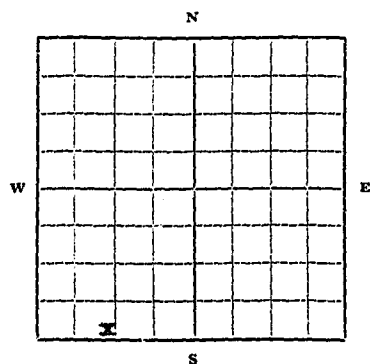
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
FEB 14 1962

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

STATE ENGINEER

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



SW 1/4 Sec. 10, T. 7N. R. 29E.

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

2. The beneficial use on which the claim is based Stock water and irrigation of garden of approximately 1/4 acre.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been November 10, 1959, and continuously thereafter.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1/2 gallon per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1/4 acre within 35 feet of the well. Land owned by Angeline Taylor.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 1/2" pipe, pump rod and 1/2 H. P. gasoline motor with pump jack, located in SW 1/4 of Section 10-7-29.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced well June 30, 1959, and completed November 10, 1959, to 38' and deepened to 175' on July 25, 1961.
8. The depth of water table 80'
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 cased with 6" galvanized casing down to 7' 7" and with 1 1/2" draw pipe in well for pumping water.
10. The estimated amount of groundwater withdrawn each year 100,000 gallons
11. The log of formations encountered in the drilling of each well if available 0' to 7' dirt; 7' to 31' sandstone; 31' to 32' coal; 32' to 33' very hard rock; 33' to 35' blue shale; 35' to 38' sandstone; 38' to 110' alternating layers of sand and blue shale; 110' to 135' sandy shale; 135' to 165' blue shale; 165' to 175' sandy shale.
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 applicable.

Signature of Owner Angeline Taylor

Date February 13, 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 and Quadruplicate for the Appropriator.

1449

165837

STATE OF MONTANA, }  
MUSSELSHELL COUNTY, }

FILED THIS 13 DAY OF

Feb A. D. 1962

AT 3:45 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Rossmann  
DEPUTY

2.00

RECEIVED  
OCT 2 1958

T. 7 R. 29  
County Musselshell

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

W


S

Owner Angeline Taylor Address Musselshell Mont.  
Driller Simmigraph crew Address P  
Date Started 1956 Date Completed 1956  
Location: Sec W 1/2 10 T. 7 R. 29 1/4 sec. South West 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: \_\_\_\_\_

Casing: 0 ft. to 18.0 ft. Type Technical Size 4 in

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: 13.0 ft from bottom of well feet.

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

Pumping water level: \_\_\_\_\_ feet at \_\_\_\_\_ gal. per min.

How tested: \_\_\_\_\_

Length of test: \_\_\_\_\_

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

This well has very slow win of water [Poor well]

(over)

### Log of Well

[illegible]

G

Approved Stock Form—State Publishing Co., Helena, Montana—38687

File No.

T. 7N. R. 29 E.

DUPLICATE

County—Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

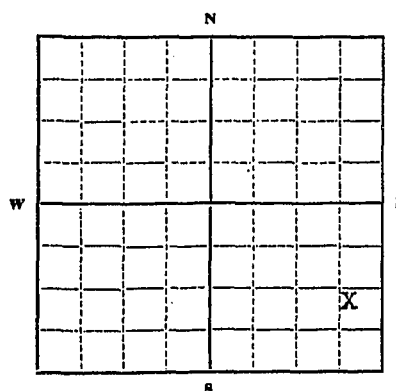
RECEIVED  
JAN 2 1963

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

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



SE 1/4 Sec. 10, T. 7N. R. 29E

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. Homestead in early  
1900s continuous use to 50s cleaned in 59  
used seasonally each year.

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....25 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  
Does not apply

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....  
Pump  
SE 1/4, Sec. 10, T. 7N. 29E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....Cleaned and repaired Mar. 10 1959

8. The depth of water table. About 80 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....4 in case well depth about 230 ft.

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

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

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

Signature of Owner

Date. Dec. 19, 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.

3070



167-370

STATE OF MONTANA,  
MUSSELSHELL COUNTY, <sup>SS.</sup>

FILED THIS 22 DAY OF Dec  
A. D. 1967

AT 10 O'CLOCK A M.  
DAWLEY  
COUNTY RECORDER

DEPUTY

File No. ....

T. 7 N. R. 29 E.

DUPLICATE

County. Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

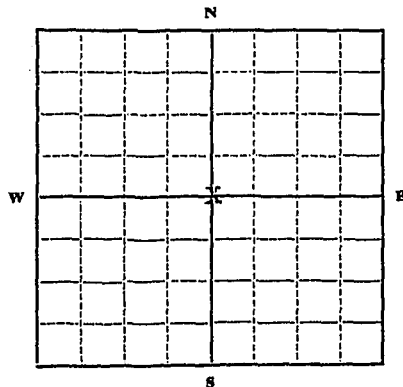
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 2 1963

STATE ENGINEER

1. G. K. Murphy, of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

Center  
Sec. 11 T. 7N R. 29 E

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

2. The beneficial use on which the claim is based. Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Unknowen  
1940 guessed  
Each season
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 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. does not apply
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump  
Center Sec. 11 T7N R29E
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Un known
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 in case 200 ft
10. The estimated amount of groundwater withdrawn each year. 100,000 Gal.
11. The log of formations encountered in the drilling of each well if available. 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. G. K. MurphyDate. Dec. 19, 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.

3076

167385

STATE OF MONTANA,  
MUSSELSHELL COUNTY, ss.

FILED THIS Dec 31 DAY OF

AT 110.2 O'CLOCK AM

[Signature]  
COUNT RECORDER

DEPUTY

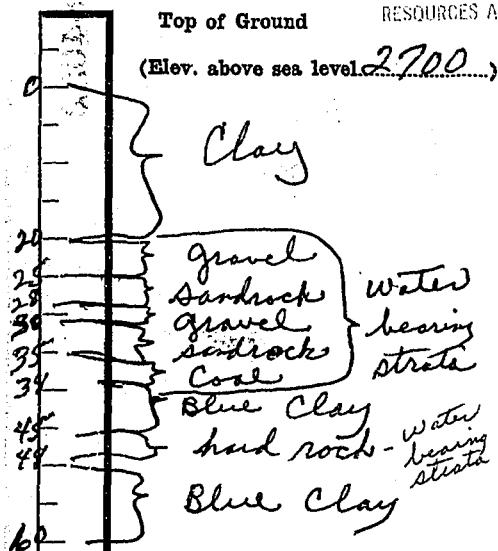
File No. ....

RECEIVED

T. 7 R. 29 17

DUPLICATE

JUL 12 1972

County MusselshellMONTANA DEPARTMENT OF NATURAL  
RESOURCES AND CONSERVATIONSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERTOTAL Depth  
60 Feet**Notice of Completion of Groundwater  
Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

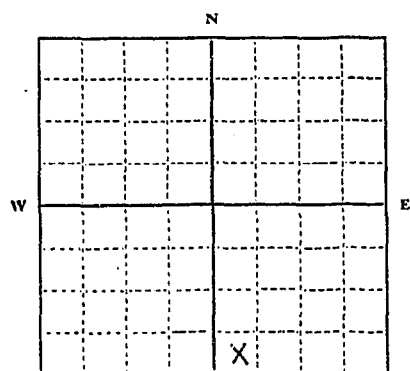
Owner Clayton Jensen Address Musselshell, Mont.Driller Orville D. Treib Address Musselshell, Mont.

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

Date well started 6/23/72 Date Completed 6/27/72Type of well Drilled Equipment Used Cable tool  
(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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	6" plastic	0	60	slotted with skill saw	20	50



SW  $\frac{1}{4}$  SE Sec. 12 T. 7 R. 29  
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 20 feet.Shut-in Pressure for Flowing Well Non-FlowingPumping Water Level 23 feet at 20 gal. per minute.Discharge in gal. per min. of flowing well Non-FlowingHow Tested Bailed Length of Test 1 hr.

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

E. R. J. D. acres irrigated, if used for irrigation) .....

None

Doc. No. 1840.32  
Filed for record  
this 11th day of July  
A. D. 19 72, at 11:00  
o'clock A. M.

105  
Driller's License Number  
Orville D. Treib  
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.

50,896

850 430 32 32 30


332

11

222

AD  
A

a.



五、

10/1/77



100

1000

卷之四

10/10/10

1626-1627

Form No. 18  
8-60

T. 7 R. 29

County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

13  
RECEIVED

Water Well Log

STATE ENGINEER

	<input checked="" type="checkbox"/>	

Owner Clayton Jensen Address Musselshell

Driller Same Address Same

Date Started June 10, 1944 Date Completed June 15, 1944

Location: Sec. 13 T. 7 R. 29  $\frac{1}{4}$  sec.

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

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

Casing: 0 ft. to 36 ft. Type Galvanized Size 6" 18 ga

Casing:  ft. to  ft. Type  Size

Casing:  ft. to  ft. Type  Size

Perforated or screened: Ft. 36 to ft. 20 . Ft.  to ft.

Type of screen or perforations 3/16 round holes

Static water level, for non-flowing well: 14 feet.

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

Pumping water level 14 feet at 10 gal. per min.

How tested: Cylinder pump

Length of test Forty eight hr

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

(over)

## Log of Well

[illegible]

File No. ....

T. 7. R. 29E

DUPLICATE

County. Musselshell

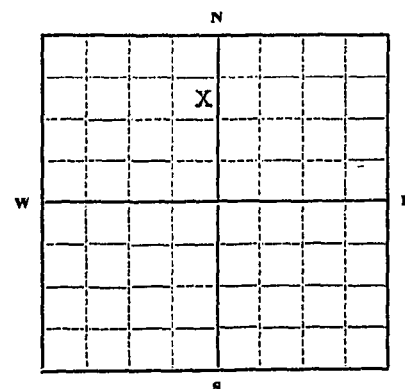
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

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



NE 1/4 NW 1/4 Sec. 14 T. 7N. R. 29E

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, and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Mar. 1959 continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 8 1/2
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 to 2 acres of lawn, garden and shelterbelt. Farmstead of G. K. Murphy NE 1/4 NW 1/4 Sec 14 T. 7N. 29 E
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump NE 1/4 NW 1/4, Sec. 14, T. 7N, 29E
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Mar. 2, 1959 to Mar. 7, 1959
8. The depth of water table. 35 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 case 150 ft.
10. The estimated amount of groundwater withdrawn each year. 500,000 gal.
11. The log of formations encountered in the drilling of each well if available. 0 to 6 soil 22 shale 22 sandstone 35 water level 80 shale 90 sandstone (water 2 gpm) 120 shale 132 sandstone water 7 1/2 gpm) 150 shale, bottom
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None.

Signature of Owner G. K. Murphy

Date Dec. 1962 Dec 19.

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.

3069



167359

STATE OF MONTANA,  
MUSSELSHELL COUNTY. } ss.

FILED THIS

DAY OF

AT

A. D. 1912

O'CLOCK

COUNTY RECORDER

DEPUTY

File No. ....

T. 7N R. 29E

DUPLICATE

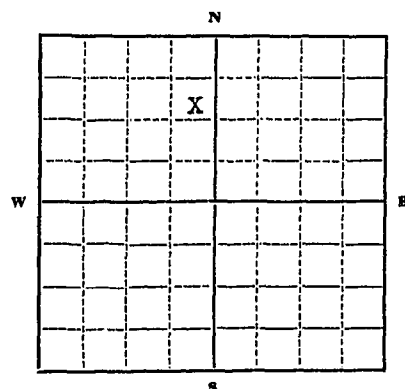
County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1963

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

1. C. Z. Murphy, of Musselshell, Mont.  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NW 1/4 Sec. 14 T. 7N R. 29E

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

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

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been Homestead days  
continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 3 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  
Small gardens.

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

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

8. The depth of water table..... Unknown

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

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

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 C. Z. Murphy

Date Dec. 29, 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.

3080

167379

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF

Dec 31 A. D. 1962

AT 11:06 O'CLOCK P.M.  
*[Signature]*  
COUNTY RECORDER

DEPUTY

File No. ....

T. 7N R. 29 E

DUPLICATE

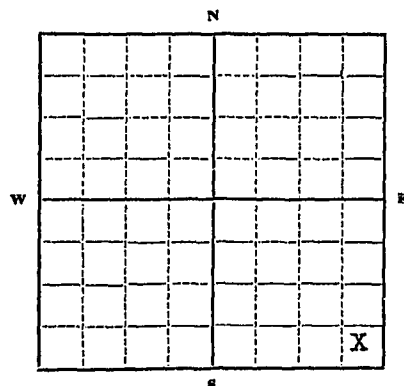
County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1963

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

1. G. K. Murphy, of Musselshell  
(Name of Appropriator) (Address) (Town)  
County of Musselshell State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SE 1/4 Sec 15 T. 7N R. 29E

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 con-  
tinuous the use has been. Unknown 1945 guessed  
Each session

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 3 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  
doesn't not apply

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal.....  
Pump  
SE 1/4, SE 1/4 Sec 15, T7N R29E

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

8. The depth of water table. 150

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. 350 ft. case.

10. The estimated amount of groundwater withdrawn each year. 75,000 gal.

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 G. K. MurphyDate Dec. 19, 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.

3077

167376

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

RETURNED THIS 31 DAY OF

Dec A. D. 1942

1103 O'CLOCK AM

*[Signature]*  
CORDER

DEPUTY

File No. ....

T 7 N R 29 E

DUPLICATE

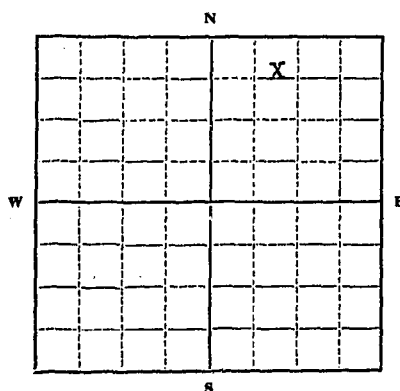
County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1963

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

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



NW 1/4 NE 1/4 Sec. 15 T. 7N R. 29E

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 con-  
tinuous the use has been. 1956 seasonal use each  
year

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute). 10 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  
Does not apply

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal.....  
Pump  
NW 1/4 NE 1/4 sec 15 T. 7N. 29E

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater. Sismograph well 1956. cased and pumped that  
summer.

8. The depth of water table. unknown; about 100 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.  
Sismograph well 4in. casing about 200 ft.

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

11. The log of formations encountered in the drilling of each well if available. 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. bailed at 10 gpm for 1 hour which  
was capacity of bailer.

Signature of Owner G. K. Murphy

Date Dec. 19, 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.

3072

107331

STATE OF MONTANA,  
MUSSELSHELL COUNTY, ss.

FILED THIS Dec 31 DAY OF

AT 1058 O'CLOCK 9 A. D. 1902

Dr. Matthe  
COUNTY RECORDER

DEPUTY

File No. ....

T. 7N R. 29E

DUPLICATE

County. Musselshell

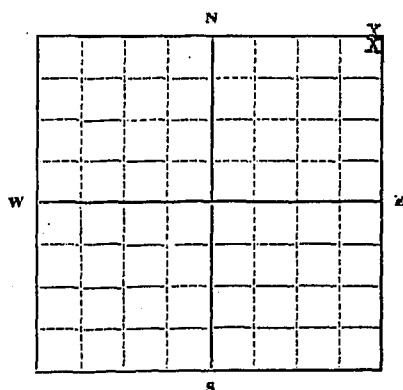
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

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



NE 1/4 NE 1/4 Sec. 17 T. 7N R. 29E

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 con-  
tinuous the use has been Spring 1956  
Seasonally each year

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 2 1/2 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  
Does not apply

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal  
Pump in NE 1/4 NE 1/4 Sec. 17 T. 7N R. 29E

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater Sept. 15, 55 Jan. 20, 56

8. The depth of water table 600 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 to 440 4 in casing 407 to 700

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

11. The log of formations encountered in the drilling of each well if available.....  
Log on file to long to copy.  
total depth 700 ft.

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

*G. K. Murphy*

Date Dec. 19, 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.

3073



167378

STATE OF MONTANA,  
MUSSELSHELL COUNTY, } ss.

FILED THIS 21 DAY OF

AT 1059 O'CLOCK AM A. D. 1967

[Signature]  
COUNTY RECORDER

DEPUTY

GW3

File No.....

DUPLICATE

T. 7N R. 29E

County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1963  
STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Homestead days

Owner G. K. Murphy Address Musselshell Mont.

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. Seepage into pond

Cleaned in 1960

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 150,000 gal.

75 steers @ 10 gal. per day for 200 days

Signature of Owner G. K. Murphy

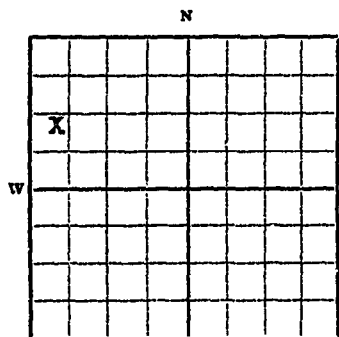
Date Dec. 29, 1962

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 School of Mines and Quadruplicate for the Appropriator.



SW 1/4 NW 1/4 Sec. 19 T. 7N R. 29E

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

GW3

File No. ....

DUPLICATE

T. 7N R. 29E

County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1963  
STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Homestead days

Owner G. K. Murphy Address Musselshell Mont.

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. Seepage into pond.

Cleaned in 1960.

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 150,000 gal.

75 steers @ 10 gal. per day for 200 days

Signature of Owner G. K. Murphy

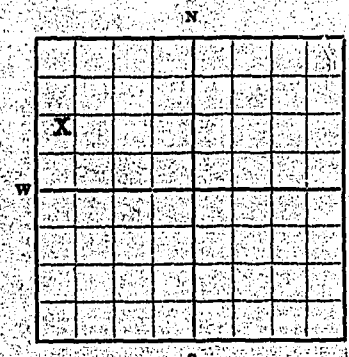
Date Dec. 29, 1962

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 School of Mines and Quadruplicate for the Appropriator.



NW 1/4 Sec. 18 T. 7N R. 29E

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

167381

STATE OF MONTANA, [ss.  
MUSSELSHELL COUNTY.]

FILED THIS 31 DAY OF

Dec 1962  
1108

County Recorder

DEPUTY

File No. ....

T. 7N. R. 29E.

DUPLICATE

County .....

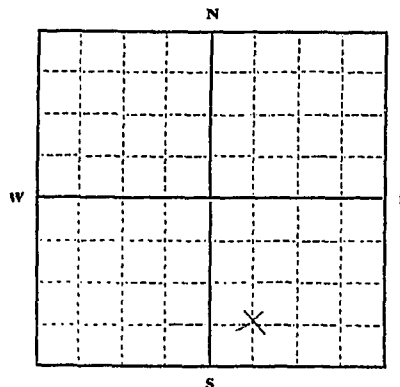
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John E. Turlay Jr., of Box 207 Missoula  
 (Name of Appropriator) (Address) (Town)  
 County of Missoula State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 4 Sec. 19 T. 7N. R. 29E.

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

2. The beneficial use on which the claim is based Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Aug. 15-1934 used  
Daily since 1934
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 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  
not used
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric  
for 1/2 mile  
Sec 4 Sec 19 - T7N R29E
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Aug 1934 - Aug 1934
8. The depth of water table 130 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 10 in. galvanized steel casing  
13 ft deep
10. The estimated amount of groundwater withdrawn each year 200,000 gal
11. The log of formations encountered in the drilling of each well if available Shale & Sand Rock
12. Such other information of a similar nature as may be necessary in carrying out the policy of this act, including reference to book and page of any county record available

Signature of Owner

John E. Turlay Jr.  
 Date Dec 31-1963

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

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

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

20597

169753

STATE OF MONTANA,  
MUSKELSHIELL COUNTY, }  
FILED THIS 31 DAY OF  
December A. D. 1963  
AT 4:32 O'CLOCK P.  
B. H. MATZKE  
COUNTY RECORDER  
James L. Dawson  
2

G

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No. ....

T. 7N. R. 29E.

DUPLICATE

County: Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

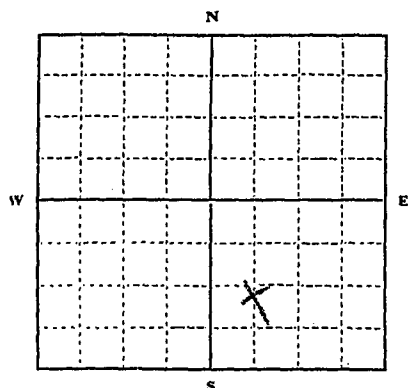
JAN 8 1964

STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John E. Turley, Sr., of Box 207, Missoula  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 20 T. 7N R. 29E

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 Lumber3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Aug 1, 1946  
February4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 gpm5. 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 used6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric  
7 SE 1/4 Sec 20 T 7N R 29E7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July - Aug 19428. The depth of water table 134 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 gal casing 134 ft deep10. The estimated amount of groundwater withdrawn each year 100,000 gal11. The log of formations encountered in the drilling of each well if available Shale and sand rock12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not available

Signature of Owner

John E. Turley, Sr.  
Date Dec 31 - 1963

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

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

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

20598

169754

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF

December A. D. 19 63

AT 4:34 O'CLOCK P.M.

E. J. MATTHEW

COUNTY RECORDER

Francis L. Dawson  
2nd DEPUTY



RECEIVED  
DEC 2 1957

T. 7 R. 29 21  
County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner: Walter E. Taylor Address: Musselshell  
Driller: Louis Corbary Address: Esage  
Date Started: June 57 Date Completed: Aug 57  
Location: Sec. 21 T. 7N R. 29E 1/4 sec. NW 1/4 NE

Type of well

(Dug, driven, bored, or drilled)

Equipment used

(Churn drill, rotary, other)

Water use: Domestic ☐

Municipal ☐

Stock ☒

Irrigation ☐

Industrial ☐

Drainage ☐

Other: ☐

Casing: 6 in ft. to 15 ft.

Type: Pressed steel Size: 6 in

Casing: surface ft. to Bottom ft.

Type: surface Size: surface

Casing: 50 ft. to at Bottom ft.

Type: at Bottom Size: at Bottom

Perforated or Screened: Ft. 50 to ft. at Bottom to ft. at Bottom

Type of screen or perforations

Static Water level, for non-flowing w Drilled feet

Shut-in pressure, for flowing well Drilled lb./sq. in. on 10 (date) 5/5/57

Pumping water level 88 feet at 10 gal. per min.

How tested: Bailed

Length of test: one hour

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
Surface	4 ft	Top Soil
4 ft	34	Sand rock
34	74	Shale & sand
74	124	sand rock hard one gal Water
124	126	Coal
126	142	Shale & sand rock
142	182	Sand rock hard
182	200	Shale & sandy rock
200	238	Sand rock some water
238	252	Shale
252	278	Shale & Sand rock hard

88 ft to water bailed 10 gal  
per minute for one hour  
Lots of water yet in hole

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 G. K. Murphy  
Address Musselshell, Mont

For Administrator's Use	
File	<u>183682</u>
Date	<u>May 11, 1972 9:55 a.m.</u>

Date well started April 24, 1972  
completed April 28, 1972

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

Equipment used Rotary  
(Churn drill, rotary or other)

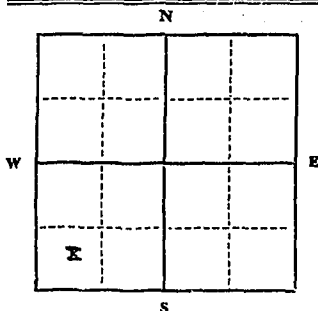
Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*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)
6 1/2	5 1/2" 17#pf	0	318	slotted	254	310



Static water level 35 ft.\*  
Pumping water level 270 ft.\*  
at 12 gallons per minute,  
measured        minutes after pumping began.  
\*Measured from ground level.  
Well developed by bailing  
for 2 hours.  
Power        Pump        HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

SW 1/4 Sec. 23  
T. 7 N. R. 29 E.  
S. W.

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

Driller's Signature Mike E. Hunt

Driller's Address Klein Star Bldg

Roundup, Mont. LICENSE NO. 207

711 29E 23  
Musselshell  
County

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	23	sand
23	25	gray sand (hard)
25	55	blue gray shale & sd
55	59	coal
59	112	gray shale & bentonite
112	113	sand (hard)
113	163	gray & black shale & bentonite
163	174	gray shale bentonite & shells
174	180	sand
180	184	bentonite w/ shale str
184	188	coal
188	250	bentonite w/ gray shaf
250	265	sand bentonite w/ coal
265	272	sand (tight)
272	302	bent & gray shale
302	312	sand bentonite w/ coal
312	318	bentonite w/ blue shaf
318		T.D.

318 Show exact depth of bottom

50,361

183682

STATE OF MONTANA  
MUSSELSHELL COUNTY

FILED THIS 11 DAY OF

May A. D. 1922

AT 9:55 O'CLOCK P. M.

CLAUDE F. FLETCHER

COUNTY RECORDER

*L. Allen*  
200

DEPUTY