

T. 6 N. R. 28 E.  
County of Musselshell

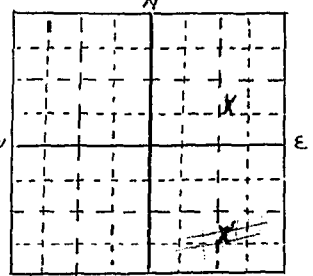
State of Montana  
Administrator of groundwater Code  
Office of State Engineer

RECEIVED  
JAN 2 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Shen K. Roen....., 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:



NE 1/4 Sec. 11 T. 6 N. R. 28 E.

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

- 2. The beneficial use on which the claim is based.....  
stock water.....
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been ...1914.....
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute).....20 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.....  
regular pump & electric motor.....
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water ...1914.....
- 8. The depth of water table ...20 ft......
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....  
6 ft. hole 2.5 ft. deep sand rock.....
- 10. The estimated amount of groundwater withdrawn each year...400,000 gal......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 count record.....

Signature of Owner Shen K. Roen  
Date Dec 30, 1963

169595

STATE OF MONTANA,  
MUSSELSHELL COUNTY. } <sup>ss.</sup>

FILED THIS 30 DAY OF

Dec A. D. 1963

AT 4:05 O'CLOCK P M.

B. H. MATZKE

COUNTY RECORDER

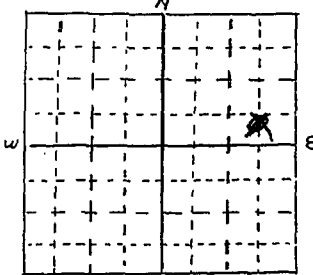
Frances L. Dawson  
2.00 DEPUTY

State of Montana  
Administrator of groundwater Code  
Office of State Engineer

T. 6 N. R. 28 E  
County *Musselshell*  
**RECEIVED**  
JAN 3 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. *Glen K. Roem*....., 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:



*NE 1/4* Sec. 11, T. 6 N. R. 28 E

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

- 2. The beneficial use on which the claim is based.....  
*Domestic & Stock & garden irrigation*
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been *Sept. 16, 1943*.....
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... *20 gal per minute*
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof... *Garden 3 ac. Glen K. Roem*
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....  
*regular pump electric motor*
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water *Sept. 14, 1943 - Sept. 16, 1943*.....
- 8. The depth of water table ..... *30 ft.*
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....  
*6 hole 40 ft. steel casing*
- 10. The estimated amount of groundwater withdrawn each year... *300,000 gals*.....
- 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 count record.....

Signature of Owner *Glen K. Roem*  
Date *Dec. 30, 1963*

169596

STATE OF MONTANA,  
MUSSELSHELL COUNTY. }<sup>52</sup>

FILED THIS 30 DAY OF

Dec A. D. 1963

AT 4:10 O'CLOCK P. M.

B. H. MATZKE

COUNTY RECORDER

Frances L. Dawson

DEPUTY

2.00

T.6.N...R.28.E.  
County *Musselshell*

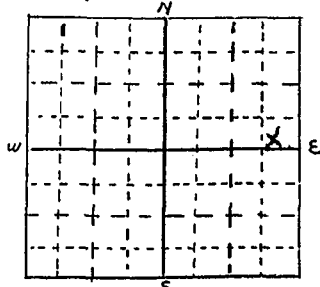
State of Montana  
Administrator of groundwater Code  
Office of State Engineer

RECEIVED  
JAN 2 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. *Alan K. Roem*....., 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:



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 *Spring*.....

4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... *stands at 6 g.p.m.*.....

*NE 1/4 Sec. 12 T.6 N. R. 28 E*

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

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.....  
*at the dumb of*.....

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water *Spring always been there*.....

8. The depth of water table *ground level*.....

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... *100,000 gal.*.....

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

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

Signature of Owner *Alan K. Roem*.....

Date *Dec. 30, 1963*.....

169594

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 30 DAY OF

Dec A. D. 19 63

AT 4:00 O'CLOCK P M.

**B. H. MATZKE**

COUNTY RECORDER

*Francis L. Dawson*  
DEPUTY

*2.00*

T. 6. N. R. 28. E.  
County *Missoula*

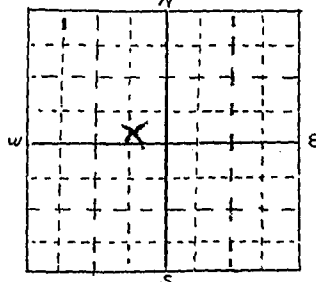
State of Montana  
Administrator of groundwater Code  
Office of State Engineer

RECEIVED  
JAN 2 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. *Glen K. Roen*....., of *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:



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

*Domestic & stock water*.....

3. Date or approximate date of earliest beneficial use; and how continuous the use has been *June 2, 1947*.....

4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... *1.0 gal per minute*.....

*N.W. Sec. 12. T. 6. N. R. 28. E.* If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water *June 15, 1947*..... *June 22, 1947*.....

8. The depth of water table *140 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" hole, Cased, 3.00 ft., perforated casing*  
*14.0 - 1.49 - 2.85 - 29.4 ft.*

10. The estimated amount of groundwater withdrawn each year *4.00 - 0.0 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 count record.....

Signature of Owner *Glen K. Roen*

Date *Dec. 3. 1963*.....

169597

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 30 DAY OF  
Dec A. D. 19 63  
AT 4:15 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Frances L. Dawson  
DEPUTY  
2.02



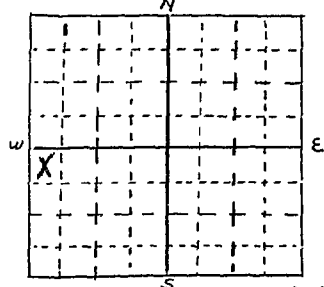
State of Montana  
Administrator of groundwater Code  
Office of State Engineer

T. 6 N. R. 28 E.  
County *Missoula*

RECEIVED  
JAN 2 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws) STATE ENGINEER

1. *Alan K. Roen*....., of *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:



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 *July 18, 1945*.....

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

*S.W. 1/4 Sec 12 T. 6 N. R. 28 E.* If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water *July 13, 1945*..... *July 18, 1945*.....

8. The depth of water table ..... *80 FT.*.....

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....  
*6 inch hole 110 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.....  
*steel casing 40' sand rock 4.0' 110'*.....

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 count record.....

Signature of Owner *Alan K. Roen*  
Date *Dec 30, 1963*

169600

STATE OF MONTANA, }  
MUSSELSHELL COUNTY. } ss.

FILED THIS 30 DAY OF

Dec

A. D. 19 03

AT 4:30 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Francis L. Lawson  
DEPUTY

\$ 2.00

Form No. 18  
8-60

12

T. 6N R. 28E

County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 2 1962

Water Well Log

STATE ENGINEER

x		

Owner Sam Smeding Address Musselshell

Driller Anderson Drilling Co. Address Billings

Date Started July 15, 1945 Date Completed July 18, 1945

Location: Sec. 12 T. 6N R. 28E  $\frac{1}{4}$  sec. SW $\frac{1}{4}$

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

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

Casing: 0 ft. to 40 ft. Type steel Size 6 in.

Casing: 40 ft. to 110 ft. Type sandrock Size 6 in. hole

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: 80 feet.

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

Pumping water level 105 feet at 3 gal. per min.

How tested: bailer test

Length of test 60 min.

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

(over)



T..6.N..R..28.E...  
County...*Musselshell*

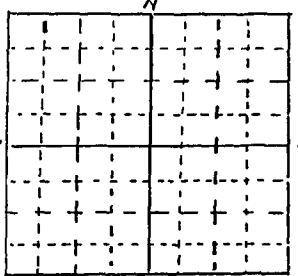
State of Montana  
Administrator of groundwater Code  
Office of State Engineer

RECEIVED  
JAN 2 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. .... *Alan K. Pomeroy* ..... 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:



- 2. The beneficial use on which the claim is based.....  
..... *Stock watering* .....
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been .. *Aug. 20, 1953* .....
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... *15 gal. per min.* .....

5. *1/2* Sec. *13*. T. *6*. R. *28E* If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....  
..... *regular pump of 4 inch well* .....

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water .. *Comp. 17, 1953* .. *Comp. 20, 1953* .....

8. The depth of water table .... *30'* .....

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" hole, 47' deep* .....

10. The estimated amount of groundwater withdrawn each year... *350,000 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 court record.....

Signature of Owner. *Alan K. Pomeroy*  
Date *Dec. 30, 1963*

169598

STATE OF MONTANA }  
MUSSELSHELL COUNTY }  
FILED THIS 30 DAY OF  
Dec 1963  
AT 4:20 O'CLOCK P.M.  
B. H. MATZKE  
COUNTY RECORDER  
Francis A. Dawson  
DEPUTY  
\$2.00

Form No. 18  
8-60

T. 6N R. 28E

County Musselshell

13

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
APR 2 1953

Water Well Log

STATE ENGINEER

X		

Owner Sam Snodden Address Musselshell

Driller Louis Corbin Address Roundup

Date Started Aug. 17, 1953 Date Completed Aug. 21, 1953

Location: Sec. 13 T. 6N R. 28E  $\frac{1}{4}$  sec. SW $\frac{1}{4}$

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

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

Casing: 0 ft. to 42 ft. Type galvanized Size 6 in.

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

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

Perforated or screened: Ft. 33 to ft. 42. Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations galvanized screen casing

Static water level, for non-flowing well: 30 feet.

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

Pumping water level 38 feet at 15 gal. per min.

How tested: bailer

Length of test 2 hr.

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

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

(over)





184388

STATE OF MONTANA, { ss.  
MUSSELSHELL COUNTY  
FILED THIS 26<sup>th</sup> DAY OF

Sept A. D. 1972  
AT 11:10 O'CLOCK P.M.

CLAUDE F. FLETCHER  
COUNTY RECORDER

Francis L. Dawson  
DEPUTY



184389

STATE OF MONTANA, ss.  
MUSSELSHELL COUNTY  
FILED THIS 26<sup>th</sup> DAY OF  
September A. D. 1972  
AT 12:15 O'CLOCK P.M.  
CLAUDE F. FLETCHER  
COUNTY RECORDER  
Francis D. Dawson  
DEPUTY

# 2.00



GV

File No. ....

T. 6 R. 29  
County Musselshell

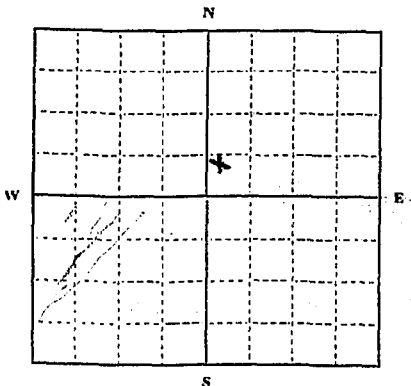
DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 18 1963  
STATE ENGINEER

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

1. AMY E., RAYMOND R., Y. STEPHEN S. O'BRIEN, 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 NE 1/4 Sec. 1 T. 6 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 STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been WELL DRILLED IN 1952 OR 1953 AND USED WHEN NEEDED

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 FOR IRRIGATION

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMP WITH CYLINDER AND RODS, LOCATED ON THE SW 1/4 OF THE NE 1/4 OF SEC 1-6-29

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater WELL DRILLED IN 1952 OR 1953 BY FARMER OWNER

8. The depth of water table ABOUT 60 FT.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 2 INCH CYL, 1 1/2 INCH PIPE AND STEEL RODS, WINDMILL AND PUMP JACK WITH GAS MOTOR, DEPTH OF WELL ABOUT 60 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 NOT AVAILABLE

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

Signature of Owner Stephen O'Brien  
Date Dec 17, 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.

10171

169196

STATE OF MONTANA,  
MUSSELSHELL COUNTY, } SE

FILED THIS 17 DAY

AT 3:40 O'CLOCK M.

B. H. MATZKE

COUNTY RECORDER

DEPUTY

2.00

MUSSELSHELL MONTANA

MUSSELSHELL MONTANA

2004 MILLER

AND NEED MORE NEED IN 1925 OR

2 GAL PER MINUTE

WOL NEED FOR IRRIGATION

ON MAY 1 9 30

2004 OF THE ME 10 SEC 1-8-28  
CARRIERS AND LODGE LOCATED ON  
THE WITH

File No.....

T. 6N R. 29E

DUPLICATE

County MUSSELSHELL

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 3 1964  
STATE ENGINEER

### Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... 1956

Owner STEPHEN O'BRIEN Address MUSSELSHELL, MONT.

Contractor (if any) NONE

Address of Contractor NONE

Date Started ABOUT AUG. 1956 Date Completed ENLARGED JUNE OF 1961

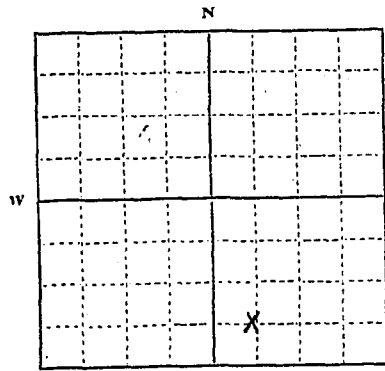
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. OPEN WATER HOLE FOR STOCK WATER. DEVELOPED BY COUNTY WHEN OBTAINING GRAVEL FOR ROADS ON THE CHANNEL OF THE DRY FORK OF HAWK CREEK

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. WATER HOLE ABOUT 40 FT. IN WIDTH BY 80 FT LONG. ABOUT 4 OR 5 FT. TO WATER FROM GROUND LEVEL AND 4 OR 5 FT DEEP OR LESS DE-PENDING ON WATER TABLE. USED 3 OR 4 MD PER YR FOR STOCK WATER

Signature of Owner Stephen O'Brien

Date Dec 31, 1963



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

This form to be prepared by contractor (if any), otherwise by the owner.  
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.  
Please answer all questions. If not applicable, so state, otherwise the form will be returned.  
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

169651

STATE OF MONTANA,  
MUSSELSHELL COUNTY.)

FILED THIS 31 DAY OF  
December A. D. 19 63  
AT 12:00 O'CLOCK noon M.

**E. H. MATZKE**

COUNTY RECORDER

*Frances L. Dawson*

DEPUTY

209



GV

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

File No. . . . .  
DUPLICATE

T. 6 R. 29  
County Musselshell

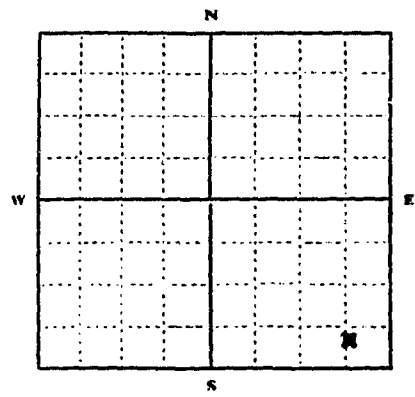
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DEC 18 1963  
ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. AMY E., RAYMOND R., & STEPHEN S. O'BRIEN (Name of Appropriator) MUSSELSHELL (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 2 T. 6 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 STOCK WATER
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been DRILLED BEFORE 1951 AND HAS BEEN USED CONTINUOUSLY SINCE THEN DURING WINTER & SPRING MONTHS
- 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 FOR IRRIGATION
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMP JACK AND ELECTRIC MOTOR, ABOUT 10 RODS FROM THE SOUTH EAST CORNER OF SEC 2-6-29
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater COMMENCEMENT AND COMPLETION NOT KNOWN BUT HAS BEEN USED CONTINUOUSLY SINCE BEFORE 1951
- 8. The depth of water table APPROXIMATELY 110 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 INCH CASING, 1 1/2 INCH PIPE WITH STEEL RODS, 2 INCH CYLINDER, PUMP JACK AND ELECTRIC MOTOR
- 10. The estimated amount of groundwater withdrawn each year
- 11. The log of formations encountered in the drilling of each well if available 200,000 GAL AVAILABLE
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NO RECORD KNOWN

Signature of Owner Stephen S. O'Brien  
Date Dec 11, 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.

169199

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 17 DAY OF

AT 3:43 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

*Clair J. Green*  
DEPUTY

\$ 2.00

WASHER SHEET  
MONTANA  
MUSSELSHELL COUNTY

28 APR 3 9 34

THIS IS A COPY OF THE ORIGINAL RECORD  
AND IS NOT VALID FOR ANY PURPOSES  
OTHER THAN RECORDING.

NOT VALID FOR RECORDING

THE BOARD OF COUNTY COMMISSIONERS OF  
MUSSELSHELL COUNTY, MONTANA  
DOES NOT GUARANTEE THE ACCURACY OF  
THIS INFORMATION.

4

T. 6 R. 29  
County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
SEP 11 1959

WATER WELL LOG

STATE ENGINEER


Owner Gerard E. Turley Address Missoula  
Driller Louis J. Coe Address Missoula  
Date Started May 19 59 Date Completed Jun. 19 59  
Location: Sec. 4 T. 6N. R. 29E 1/4 sec. 11.25.

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: surface ft. to 152 ft. Type plain Size 20 gauge - 6 inch

Casing: 152 ft. to 252 ft. Type perforated Size 20 gauge - 6 inch

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

Perforated or Screened: Ft. 152 to ft. 252 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations factory punched

Static Water level, for non-flowing well: 152 feet.

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

Pumping water level 235 feet at 5 gal. per min.

How tested: bailing with drill rig

Length of test 3 hours bailing into stock water tank

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

(over)



RECEIVED  
DEC 2 1957

T. 6 R. 29 S. 5  
County MUSSELSHELL

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

			*

Owner Gerald E. Zurley Address Musselshell  
Driller Louis Corbut Address Gagle  
Date Started Oct 56 Date Completed Nov 56  
Location: Sec. 5 T. 6 R. 29 1/4 sec. NE

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: surface ft. to 218 ft. Type steel Size 6 in

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

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

Perforated or Screened: Ft. 118 to ft. 218 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations Drilled

Static Water level, for non-flowing well: 100 ft feet.

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

Pumping water level 100 ft feet at 5 gal. per min.

How tested: bailed

Length of test: Hour

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

(over)



GW.

File No. ....

T 6 N R 29

DUPLICATE

County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

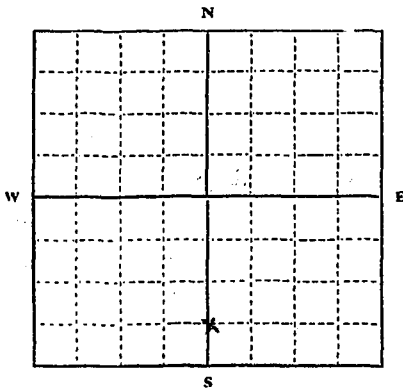
JAN 3 1964

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Merle Hudson, of Musselshell Montana  
(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 SW Sec. 7 T. 6 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. Stock Well
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1939 and has been used continuously
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 20 gallon per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. not used for irrigation
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. pump-jack
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1939
- 8. The depth of water table. 40 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 1 1/4 in pipe with 3 in. Cylinders
- 10. The estimated amount of groundwater withdrawn each year. 300,000 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. none known

Signature of Owner Merle Hudson

Date 12/30/63

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

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

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

20498

169668

STATE OF MONTANA, (ss.)  
RUSSELLSHELL COUNTY, )

FILED THIS 31 DAY OF  
December 19 63  
AT 12:42 O'CLOCK P.M.  
B. H. MATZKE

COUNTY CLERK  
Francis L. Dawson

2<sup>00</sup>



RECEIVED  
DEC 2 1957

T. 6 R. 29  
County MUSSELSHELL

8

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner: *Walter E. Justice* Address: *Musshell*  
 Driller: *Walter E. Justice* Address: *Gaylord*  
 Date Started: *Dec 1957* Date Completed: *Dec 57*  
 Location: Sec. *8* T. *6* R. *29* 1/4 sec. *SE. of SE.*

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: *Surface* ft. to *78* ft. Type: *Steel* Size: *6 in*

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

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

Perforated or Screened: Ft. *15* to ft. *75* Ft. *32* to ft. *78*

Type of screen or perforations: *Drilled*

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

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

Pumping water level: *15* feet at *78* gal. per min.

How tested: *Bailing*

Length of test: *one hour*

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

(over)



10

File No. ....

T. 6 N. R. 29 E

DUPLICATE

County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 18 1963

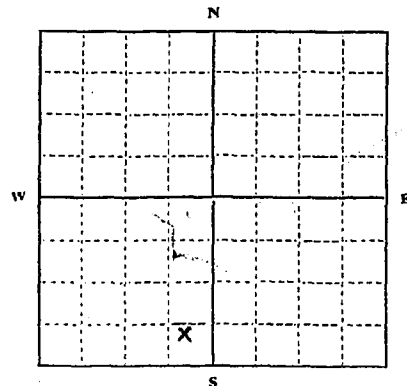
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

AMY E. RAYMOND R. & STEPHEN S. O'BRIEN, 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 SW 1/4 Sec. 10 T. 6 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 STOCK WATER AND GENERAL FARM USE

3. Date or approximate date of earliest beneficial use; and how continuous the use has been WELL IN USE OVER 50 YEARS CONTINUOUSLY AT FARM BUILDINGS

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NOT USED FOR IRRIGATION

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMP WITH CYLINDER AND ROPE, LOCATED ON THE SE 1/4 OF THE SW 1/4 OF SEC. 10-6-29

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater COMMENCEMENT AND COMPLETION DATE NOT KNOWN

8. The depth of water table LESS THAN 20 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 3 INCH CYL 1 1/2 INCH PIPE AND STEEL RODS, PUMP JACK AND ELECTRIC MOTOR, WELL DRILLED TO 60 FT BUT HAS 20 FT OF PIPE IN IT ACCORDING TO INFORMATION

10. The estimated amount of groundwater withdrawn each year 400,000 GAL

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

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

Signature of Owner Stephen O'Brien  
Date Dec 17, 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.

10170

169195

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 17 DAY OF

Dec A. D. 19  
AT 3:39 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Cassin  
DEPUTY

2.00

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

File No.

T. 6 N. R. 27 E. 10

DUPLICATE

County Musselshell

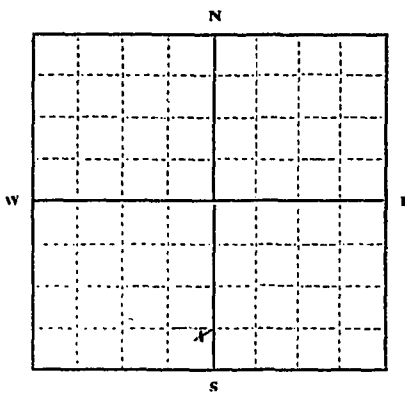
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 18 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. AMY E., RAYMOND R., & STEPHEN S. O'BRIEN, 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 SW 1/4 Sec 10 T. 6 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. HOUSEHOLD, LAWN, & GARDEN USE, & OCCASIONALLY FOR STOCK
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. MARCH 1ST OF 1961 AND USED CONTINUOUSLY SINCE
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 15 TO 20 GAL PER MINUTE
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. NOT USED FOR IRRIGATION
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. JACUZZI JET PUMP PRESSURE SYSTEM LOCATED ON SE 1/4 OF SW 1/4 OF SEC 10-6-29

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. WELL COMMENCED NOV 1960 AND COMPLETED DEC 1960
- 8. The depth of water table. ABOUT 16 FT.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. WELL HAS A JACUZZI JET PUMP PRESSURE SYSTEM, IT WAS DRILLED TO A DEPTH OF 50 FT. THERE IS 40 FT OF PLASTIC PIPE DOWN IN IT, CAPACITY OVER 60 GAL PER MINUTE
- 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. NOT AVAILABLE
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. NO RECORD

Signature of Owner.

Stephen O'Brien  
Date Dec 17, 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.

10168

169193

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 17 DAY OF

Dec A. D. 19 63  
AT 3:37 O'CLOCK P. M.

B. H. MATZKE

COUNTY RECORDER

*Elinor J. Gosman*

DEPUTY

2.00

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File No.

T. 6 N R. 29 E

DUPLICATE

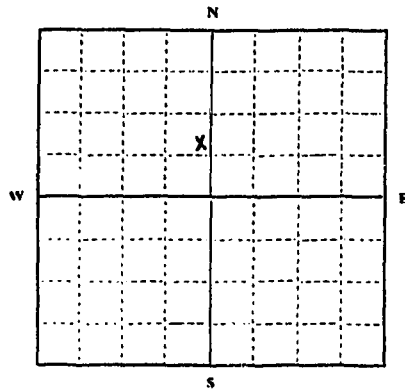
County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 18 1963  
STATE ENGINEER

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

1. AMY E. RAYMOND R. & STEPHEN S. O'BRIEN, 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 NW 1/4 Sec. 11 T. 6 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 STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been WELL DRILLED IN 1959 AND USED CONTINUOUSLY SINCE

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 FOR IRRIGATION

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMP WITH CYLINDER AND RODS, LOCATED ON THE SE 1/4 OF THE NW 1/4 OF SEC. 11-6-29

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

8. The depth of water table ABOUT 38 FT

9. So far as it may be available, the type, size and depth of each well and the general specifications of any other works for the withdrawal of groundwater 6 INCH CASING, 2 INCH CYL, 1 1/2 INCH PIPE AND STEEL RODS, PUMP JACK AND ELECTRIC MOTOR, DEPTH OF WELL ABOUT 30 FT

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 Clay and sandstone at 35', shale and water at 40', 5 gal. per min. Blue sandstone and shale with water at 50 L.F., with water at 15 gal. per minute.

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

Signature of Owner Stephen S. O'Brien  
Date December 17, 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.

10169

169194

STATE OF MONTANA,  
MUSSELSHELL COUNTY, <sup>ss</sup>

FILED THIS 17 DAY OF

Dec A. D. 1917  
AT 3:38 O'CLOCK P.M.

**B. H. MATZKE**

COUNTY RECORDER

Clair J. Rosman  
DEPUTY

\$2.00

MUSSELSHELL

MONTANA

MUSSELSHELL

SEE PAGE

NEED FOR MOUNTAIN STATE  
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11 2 1917



12

Form No. 18  
8-60

T. 6 R. 29

County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED

Water Well Log

STATE ENGINEER

X		

Owner Geo T Walker Address Musselshell

Driller Orville D. Treible Address Musselshell

Date Started July 1 Date Completed July 15

Location: Sec. 12 T. 6 R. 29  $\frac{1}{4}$  sec. NW

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

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

Casing: ~~40~~ ft. to ~~30~~ 150 ft. Type ~~10 gal.~~ 10 gal. Size 6 in.

Casing: 36 ft. to ~~42~~ ft. Type Perforated gal. Size 6 in.

Casing: 42 ft. to 57 ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or screened: Ft. 36 to ft. 42 . Ft. 51 to ft. 57  
(85' - 91')

Type of screen or perforations manufactured per.

Static water level, for non-flowing well: 25' from top feet.

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

Pumping water level 85 feet at 3 gal. per min.

How tested: Bailed with sand bucket

Length of test until the flow was caught & tested

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

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	5	Dirt
5	15	Clay
15	17	Gravel
17	25	Brown sand rock
25	35	Blue shale
35	40	Hard rock
40	47	Grey sand rock & <del>blue</del> shale
47	74	Blue shale & shale rock
74	89	Grey sand rock
89	90	Coal
90	102	Grey shale rock
102	104	Coal
104	123	Grey sand rock
123	135	Blue shale
135	140	Grey sand rock
140	150	Blue shale
		Water at 40' 54' 89' totaling 3 gal a min.
		<div style="text-align: right;">                     164909                      SEAL OF MONTANA                      RUSSELL H. COYNE, CLERK                      FILIPPIUS                      A.D. 19                      OCTOBER                      H. H. MATTIE                      COUNTY RECORDER                      DEWITT                 </div>

RECEIVED  
JUN 5 1957

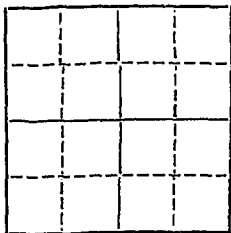
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 6 R. 29  
County Missoula

12

WATER WELL LOG



Owner Geo J Walker Address Missoula, Mont  
Driller P L Ferguson Address Roundup, Mont  
Date Started June 17, 1957 Date Completed June 20, 1957  
Location: Sec. 12 T. 6 R. 29 1/4 sec. Center N. Line

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

Water use: Domestic  Mur  Stock  Irrigation   
Industrial  Drainage  Other: \_\_\_\_\_

Casing: 1 ft. to 50 ft. Type galv Size 6"  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 30 to ft. 40 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 50 gal. per min.

How tested: backing

Length of test: 1 hr.

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

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

(over)



File No. ....

T. C. N. R. 29E

DUPLICATE

County MUSSELSHELL

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

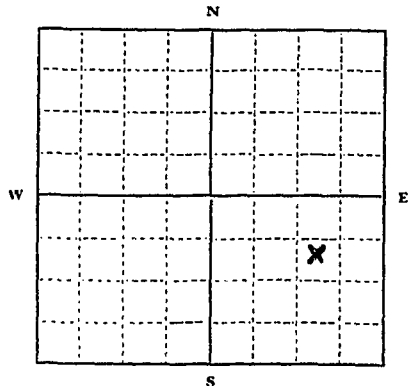
RECEIVED  
DEC 18 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. AMY E., RAYMOND R., & STEPHEN S. OBRIEN, 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:



NE 1/4 Sec. 13 T. 6 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. STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. EARLIEST DATE NOT KNOWN BUT USED CONTINUOUSLY DURING SPRING AND SUMMER MONTHS SINCE 1947.

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 FOR IRRIGATION

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. CYLINDER, PIPE AND RODS WITH PUMP JACK AND ELECTRIC MOTOR, NE 1/4 OF SE 1/4 OF SEC 13-6-29

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. COMMENCEMENT AND COMPLETION DATE NOT KNOWN

8. The depth of water table. ABOUT 180 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. 1 1/2 INCH CYL, 2 INCH PIPE & WOOD RODS, PUMP JACK AND ELECTRIC MOTOR, DEPTH OF WELL ABOUT 180 FT.

10. The estimated amount of groundwater withdrawn each year. 250,000 GAL.

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

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

Signature of Owner Stephen S. O'Brien

Date Dec 17, 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.



Form No. 18  
8-60

T. 6N R. 29E

County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 2 1962

Water Well Log

STATE ENGINEER

		X

Owner Sam Smeding Address Musselshell

Driller Louis Corbin Address Roundup

Date Started Oct. 1, 1955 Date Completed Oct. 15, 1955

Location: Sec. 18 T. 6N R. 29E  $\frac{1}{4}$  sec. NE $\frac{1}{4}$

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

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

Casing: 0 ft. to 196 ft. Type galvanized Size 6 in.

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

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

Perforated or screened: Ft. 187 to ft. 196. Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations galvanized screen casing

Static water level, for non-flowing well: 150 feet.

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

Pumping water level 185 feet at 7 gal. per min.

How tested: bailer test

Length of test 90 min.

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

(over)

T. 6. N. ... R. 29. E. ...  
County Missoula

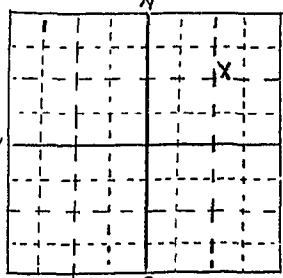
State of Montana  
Administrator of groundwater Code  
Office of State Engineer

RECEIVED  
JAN 2 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Allen K. Reem....., of 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:



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 Oct. 13, 1955.....

4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... 7 gal per min.....

NE 1/4 Sec 18 T. 6. N. R. 29. E.

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

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.  
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....  
regular pump & windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water Oct. 1, 1955..... Oct. 15, 1955.....

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" 196'

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

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

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

Signature of Owner Allen K. Reem

Date Dec. 30, 1963



169593

STATE OF MONTANA,  
MUSSELSHELL COUNTY. }<sup>2</sup>

FILED THIS 30 DAY OF

Dec

A. D. 19 63

AT 3:55 O'CLOCK P. M.

**B. H. MATZKE**

COUNTY RECORDER

*James L. Dawson*  
DEPUTY

*12.102*

File No. ....

T. 6 N R 29 273

DUPLICATE

County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

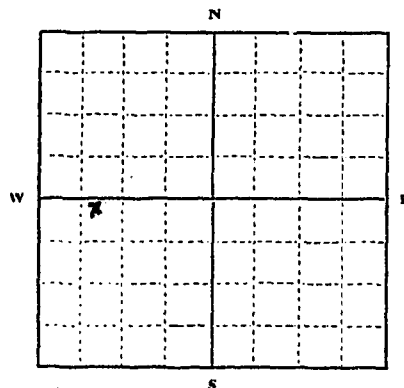
RECEIVED  
DEC 18 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, AMIE E., RAYMOND R. & STEPHEN S. O'BRIEN, of MUSSELSHELL  
(Name of Appropriator) (Address) (Town)

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



NW 1/4 SW 1/4 Sec 29 T. 6 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 STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been DRILLED IN 1955 AND USED CONTINUOUSLY DURING SPRING, SUMMER, AND FALL MONTHS

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NOT USED FOR IRRIGATION

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMP WITH CYLINDER AND RODS, LOCATED ON THE NW 1/4 OF THE SW 1/4 OF SEC 29-6-29

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater WELL DRILLED IN JULY OF 1955

8. The depth of water table ABOUT 400 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 1 3/4 INCH CYL, 2 INCH PIPS AND WOOD RODS PUMP JACK AND ELECTRIC MOTOR, DEPTH OF WELL ABOUT 400 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 NOT AVAILABLE

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

Signature of Owner Stephen O'Brien  
Date Dec 17, 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.

169197

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 17 DAY OF  
Dec A. D. 19  
AT 3:41 O'CLOCK P.M.

B. H. MATZKE  
COUNTY RECORDER  
Glenn J. Brown  
DEPUTY

72.10

WALTER HANCOCK  
JAMES MENZIE  
GUBRIEN

KEETONSOME

MONTANA

MUSSELSHELL

DEED NUMBER

HAD PART WOULD BE  
COMPLIMENTARY. DENIED ORIGINAL RECORD  
LIBRATED IN 1902. WAD. 1000

A PART. SEE LIBRARY

NOT NEEDED FOR IRIGATION

NOV 24 1903

WAD. 1000 OF THE 2ND DE REC 24-0-03  
CANTONER WAD. 1000. LOCATED ON THE  
LANDS WITH

File No. ....

T. 6 R 29  
County Musselshell

DUPLICATE

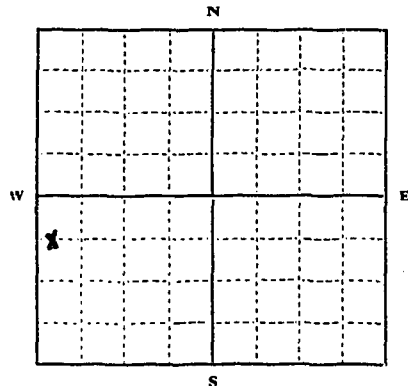
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 18 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. AMY E. RAYMOND R. & STEPHEN S. O'BRIEN of MUSSELSHELL  
(Name of Appropriator) (Address) (Town)  
County of YELLOWSTONE State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 SW 1/4 Sec 24 T. 6 R. 29

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 WATER
- Date or approximate date of earliest beneficial use; and how continuous the use has been. EARLIEST DATE NOT KNOWN BUT USED CONTINUOUSLY DURING SPRING SUMMER AND FALL MONTHS SINCE BEFORE 1947
- The amount of groundwater claimed (in miner's inches or gallons per minute) 5 GAL PER MINUTE
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NOT USED FOR IRRIGATION
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMP WITH CYLINDER AND RODS ON THE NW 1/4 OF SW 1/4 OF SEC 24-6-29
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater COMMENCEMENT AND COMPLETION DATE OF WELL NOT KNOWN
- The depth of water table ABOUT 240 FT.
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 1 3/4 INCH CYL, 2 INCH PIPE AND WOOD RODS, PUMP JACK AND ELECTRIC MOTOR, DEPTH OF WELL ABOUT 240 FT.
- The estimated amount of groundwater withdrawn each year 300,000 GAL
- The log of formations encountered in the drilling of each well if available NOT 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 NO RECORD KNOWN

Signature of Owner Stephen O'Brien  
Date Dec 17, 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.

169200

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 17 DAY OF

Dec A. D. 1906

AT 3:44 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

DEPUTY

2.00

WMAE, WINDMILL, S. B. BROWN, B. B. BROWN

WETMORELONE

WOW LOAN

WINDMILL

2000 PAID

20MINER AND EARL WINDMILL 2000 BROWN (143)  
BUT NEED CONFORMANCE BROWN (143)  
BROWN (143) AND EARL WINDMILL 2000 BROWN

2000 BROWN

NOT USED FOR IRRIGATION

AM 2000 34 2 38

2000 OF SEC 34-2-38 ON THE PART OF  
CITY AND TOWNSHIP OF BROWN

Form No. 18  
8-60

T. 6 R. 29  
Missoula  
County \_\_\_\_\_

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
OCT 31 1961

Water Well Log

STATE ENGINEER


Owner Mrs. Anderson Address Missoula  
Driller Sept. 10 Address Missoula  
Date Started 27 6 Date Completed Oct 24  
6 29 6

Location: Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_  $\frac{1}{4}$  sec. \_\_\_\_\_

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

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other 2 1/2" gal. 6"

Casing: 235 ft. to 216 ft. Type \_\_\_\_\_ Size 6"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type perforated Size 6"

Casing: \_\_\_\_\_ ft. to 235 ft. Type 2 1/2" Size \_\_\_\_\_

Perforated or screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations factory perforated 250'

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

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

Pumping water level 26' feet at 6 gal. per min.

How tested: bailed

Length of test 15 min.

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

(over)







Mussogshell

13

RECEIVED  
OCT 2 1957

T. 5N R. 24E  
County Golden Valley

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Victor Stephens Address Levine St  
 Driller A.C. Anderson Address Billings  
 Date Started Oct. 1st. 1952 Date Completed.....  
 Location: Sec. 13 T. 5 R. 24 1/4 sec. N.E.

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

Water use: Domestic  Municipal  Stock  Irrigation   
 Industrial  Drainage  Other:.....

Casing: surface ft. to 100 ft. Type gal. 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: 40 ft feet.

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

Pumping water level 70 feet at 8 gal. per min.

How tested: using

Length of test.....

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



(over)

Musselshell -

13

RECEIVED

STATE ENGINEER

T. 5N R. 24E  
County: Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

			X

Owner: Victor Spitzer Address: Tanna, Mont  
 Driller: Clyde Janda Address: Gillingham  
 Date Started: \_\_\_\_\_ Date Completed: Sept 9 1957  
 Location: Sec. ABE 4 5 R. 24 1/4 sec. 13

Type of well: 7 inch hole Equipment used: Cable  
(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: 3.5 feet from top feet.

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

Pumping water level: 138 feet at \_\_\_\_\_ gal. per min. 1000

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

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

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

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

(over)



2

File No. ....

T. 5-MR 24-F

DUPLICATE

County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

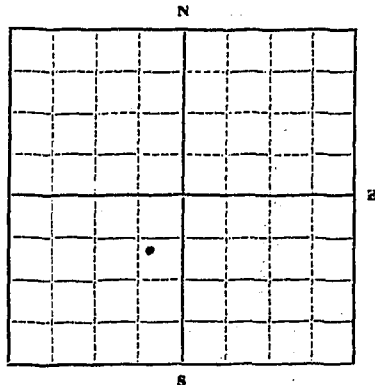
RECEIVED  
JUN 15 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. M. G. Stephenson (Name of Appropriator), of Rural Route 2 Lavana (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 $\frac{1}{4}$  Sec. 2 T. 5 R. 24

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

2. The beneficial use on which the claim is based house, stock, irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1936, continuous to the present date
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 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 1/4 acre, garden, M. G. Stephenson
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump jack - electric motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1936
8. The depth of water table 55 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 - 6 inch hole, 70 feet deep
10. The estimated amount of groundwater withdrawn each year 200,000 gallons
11. The log of formations encountered in the drilling of each well if available 10 feet soil, 20 feet sand and gravel, 10 feet shale, 30 feet sandstone
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 M. G. Stephenson

Date June 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

875.