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

File No.

T. 8 N. R. 23 E

DUPLICATE

County Musselshell

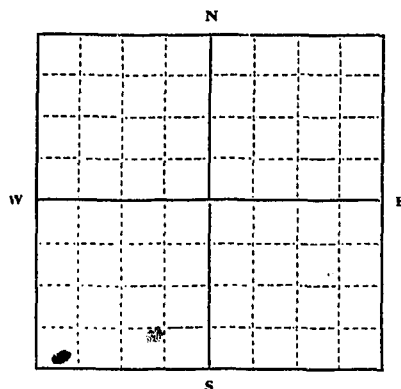
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Carl E. Vesconi, of Box 333 Roundup
(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:



1/4 Sec. 23 T. 8 N. R. 23 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 Limestone
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955 to continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25,000,000 gallons yearly
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 Pumping
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1955
8. The depth of water table 90 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 6 inch casing 210 ft deep
10. The estimated amount of groundwater withdrawn each year 30,000 gal.
11. The log of formations encountered in the drilling of each well if available Not known
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Carl E. VesconiDate Dec 21, 1963

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

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

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

15306

169406

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 27 DAY OF

Dec A. D. 19 63
AT 9:36 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Clair H. Huseman
DEPUTY

\$2.00

STATE WATER CONSERVATION BOARD

GW 2

NOV 15 1965

Approved Stock Form—State Publishing Co., Helena, Montana—122.

File No.

Bille

McDermott

T. 8 R. 23

DUPLICATE

Butzerin

McNulty

County

Coye

Morton

Darlington

Sullivan

LOG

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

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

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

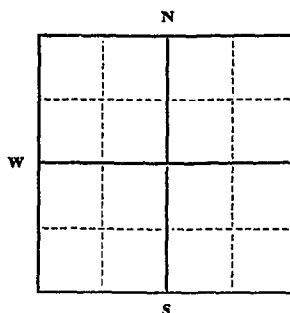
Owner Earl Weisman Address Roundup, Mont.Driller P. L. Ferguson Address Roundup, Mont.

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

Date well started 10-13-65 Date completed 10-16-65Type of well drilled Equipment used Churn
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 8 1/4" | 8" | 1 | 31 | | | |
| 8" | 7" | 1 | 80 | slits | 40 | 80 |



Static Water Level for non-flowing well

12 feet.Shut-in Pressure for Flowing Well not applyPumping Water Level 60 feetat 20 gal. per minute.

Discharge in gal. per min. of flowing well

not applyHow Tested drillingLength of Test 1 hr

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) none3 1/4" 9' casingcommenced 7"from 7' below

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Driller's License Number

Driller's Signature

39824

173136

STATE OF MONTANA, }
MUSSELSHELL COUNTY. }

FILED THIS 12 DAY OF
November A. D. 19 65
AT 2:10 O'CLOCK P. M.

Claude J. Fletcher
COUNTY RECORDER

\$ 200

| | |
|--|--|
| | |
| | |
| | |
| | |

STATE OF MONTANA, }
MUSSELSHELL COUNTY. }

STATE WATER COMMISSION BOARD

NOV 12 1965

RECEIVED

STATE OF MONTANA
MUSSELSHELL COUNTY
CLERK OF DISTRICT COURT

OFFICE OF STATE ENGINEER
DEPARTMENT OF TRANSPORTATION
STATE OF MONTANA

STATE OF MONTANA
DEPARTMENT OF TRANSPORTATION
OFFICE OF STATE ENGINEER

STATE OF MONTANA
DEPARTMENT OF TRANSPORTATION
OFFICE OF STATE ENGINEER

File No.

T. 8 N. R. 23

DUPLICATE

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

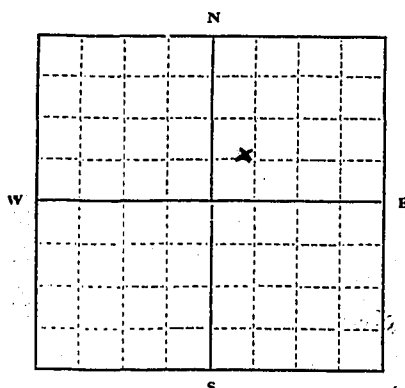
RECEIVED
DEC 27 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Elmer O. Strand, of 602 First St. E. Roundup, 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:



N. E. 1/4 Sec. 28 T. 8 R. 23

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 February, 1950
yearly when stock is in that
pasture
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
not 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 engine. Located in pasture as shown on chart.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater February 10 - Feb. 15, 1950

8. The depth of water table First 80 ft. Next 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 pump, 6 inch casing, 160 ft. deep

10. The estimated amount of groundwater withdrawn each year 3 month supply for 100 head

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

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

Signature of Owner Elmer O. StrandDate 12-26-63

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.

13571

169353

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY. }

FILED THIS 26 DAY OF

Dec A. D. 19 63
AT 11:00 O'CLOCK A M.

B. H. MATTHEW

COUNTY RECORDER

Glenn J. Gosman
2.05 DEPUTY

File No. MONTANA WATER RESOURCES BOARD

T. 8 R. 23

TRIPLICATE

County Musselshell

LOG

JAN 22 1967

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

0 to 7 ft. top soil
 7 25 dark grey green shale
 25 38 grey shale
 38 60 sandstone (tan) hard
 60 67 grey sandstone
 67 90 grey shale
 90 115 grey sandstone
 bentonitic
 115 140 grey sandstone
 tested well bailer 1 1/2 gal.
 140 160 grey shale
 160 185 grey sandstone
 185 185 grey green shale
 thin bed of coal shale
 185 195 grey sandstone
 195 240 grey green shale
 thin bed of brown coal shale
 240 270 grey sandstone
 270 275 dark grey shale
 Total depth 275 ft.

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner John Nehling Address Hardin Montana

Driller Gordon Seamen Address Roundup Montana

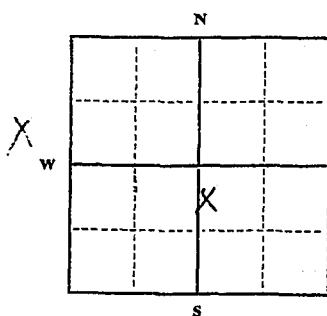
Date of Notice of appropriation of groundwater.....

Date well started Sept. 29 1967 Date completed Oct. 7 1967

Type of well Drilled Equipment used Rotary
(water) (Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|---|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 6-3/4 | 5 id 17 lb. | 0 | 275 | perforated opposite water bearing sands | | |

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

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

Pumping Water Level.....155.....feet

at.....8.....gal. per minute.

Discharge in gal. per min. of flowing well

How Tested.....bailer.....

Length of Test.....1 1/2 hrs.....

Remarks: (Gravel packing, cementing, packers, type of shutoff).....none.....

1/4 Sec. T. 8 R. 23
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Mont. Lic. 54
Driller's License Number

Driller's Signature

42,775

176380

STATE OF MONTANA,
MUSKELSHELL COUNTY.

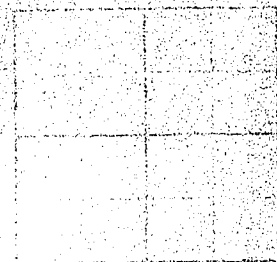
FILED THIS 19 DAY OF
January A. D. 19 68
AT 8:00 O'CLOCK am

CLAUDE F. FLETCHER
COUNTY RECORDER

Elaine J. Sorenson
DEPUTY

OFFICE OF A. J. MURPHY
JANUARY 19, 1968
MUSKELSHELL COUNTY

RECEIVED BY MURPHY



GROUNDWATER INDEX

Page / of

County Musselshell Twp. 8N Rge. 24E

[illegible]

File No.

T.8N. R.24E

DUPLICATE

County Musselshell

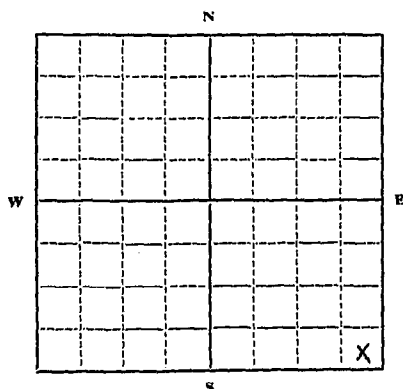
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Marie E. & Nicholas T. Raths, of Box 478 Roundup
(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 SE Sec. 1 T.8N R.24E

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...1957
4. The amount of groundwater claimed (in miner's inches or gallons per minute)...15 gal per min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal...
windmill
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...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...6 inch cased 150 feet
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...lebo shale, Lance
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

Nicholas T. Raths
Marie E. Raths

Date 12-31-63

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

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

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

20605

169761

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY. }

FILED THIS 31 DAY OF

December A. D. 1963

AT 4:48 O'CLOCK P.M.

E. H. MATTHEW

COUNTY RECORDER

Francis L. Dawson
2nd DEPUTY

File No.

T. 8 N R. 24 E

DUPLICATE

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Newton #1 M6-R-862

RECEIVED

OCT 1 1964

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, Bureau of Land Management of Drawer 599 Lewistown
(Name of Appropriator) (Address) (Town)

County of Fergus, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Stockwater

Not applicable

(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 2000 gals./day

@ 5 gals./min.

4. The annual period (inclusive dates) of intended use Year long

5. The probable or intended date of first beneficial use June 1, 1965

6. The probable or intended date of commencement and completion of the well* or wells*

7. The location, type, size and depth of well or wells contemplated SE 1/4 Sec. 1, T 8 N,

R 24 E. A drilled and cased well, 250' deep, 6" casing. Pump well.

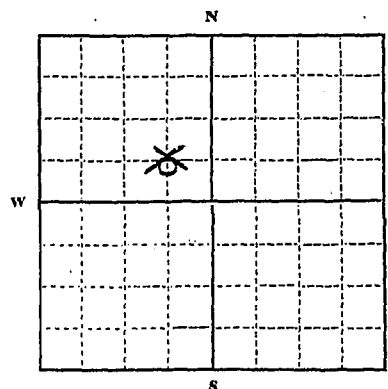
8. The probable or estimated depth of the water table or artesian aquifer 250'

9. Name, address and license number of the driller engaged

10. Give such other similar information as may be useful

in carrying out the policy of this act. Inferredaquifer is the Hell Creek Sandstone.

Water will be used at location for watering
range livestock.



NW 1/4 Sec. 1 T 8 N R 24 E
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator /s/ Garth M. Colton

District Manager

Date August 13, 1964

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

38527

171401

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 30 DAY OF

Sept A.D. 1964
AT 1:51 O'CLOCK PM

R. H. MATZKE

COUNTY RECORDER

Clair J. Brown
DEPUTY

\$2.00

File No.

NOV 12 1965

T. S. N. R. 24E.

DUPLICATE

Bills McDermott
 Log McNulty
 Co. Morton
 Darlington Sullivan
 Dickert

County Missoula

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
 (Elev. above sea level.....)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0 Sand + gravel
 10 Sandy yellow shale
 20 " " "
 40 Sand Hard type
 75 Baff sand
 95 Sand softer
 105 Sandy shale
 110 Sandstone
 115 Sand Porous. H₂O
 130 Sand Hard 2900.
 149 Sand softer
 152 Sand Porous
 170 Sand Porous H₂O 2-3 ft
 181 Sandy shale hard
 184 Sand -

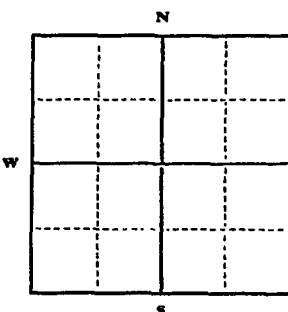
Owner B. L. M. Address Levytown, MontDriller P. L. Ferguson Address Roundup, Mont

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

Date well started 7-16-65 Date completed 7-17-65Type of well Drilled Equipment used Churn
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 8 1/2" | 24# 6'8" ID | 1 | 192 | 12 | | |
| | | | | 1 1/8" | 130 | 135 |
| | | | | Open | 175 | 181 |



Static Water Level for non-flowing well

100 feet.Shut-in Pressure for Flowing Well 110 psiPumping Water Level 125 feetat 1.2 gal. per minute.

Discharge in gal. per min. of flowing well

100 gal. per min.How Tested FlowingLength of Test 1 hr

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

SE 1/4 NW Sec. 1 T. 5 N. R. 24 E.
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

192 Show exact depth of bottom.

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

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

Driller's License Number

P. L. Ferguson
 Driller's Signature

39806

173119

STATE OF MONTANA
RUSSELLSHEEL COUNTY

FILED THIS 10 DAY OF

November A.D. 1965

AT 9:14 O'CLOCK 9 M.

Claude L. Fletcher
COUNTY RECORDER

200

RECEIVED
NOTICE OF COMPLETION OF CONSTRUCTION
TO BE FILED IN THE OFFICE OF THE COUNTY RECORDER
FOR THE STATE OF MONTANA
CLAUDE L. FLETCHER
COUNTY RECORDER
STATE OF MONTANA

File No.

T. 8 N. R. 24 E

DUPLICATE

County. Musselshell

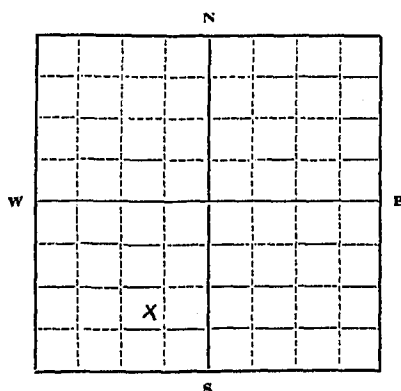
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 8 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Marie E. & Nicholas T. Rath, of Box 478 Roundup
(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.
Livestock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1957 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 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.
windmill

SE 1/4 SW Sec. 2 T8N. R. 24E

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

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. 75 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. hole cased 100 ft. depth

10. The estimated amount of groundwater withdrawn each year. 80,000 gal

11. The log of formations encountered in the drilling of each well if available. 1.60 shale - Lance

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 Nicholas T. Rath

Date 12-31-63

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

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

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

20606

169762

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY. }

FILED THIS 31 DAY OF
December A. D. 19 63
AT 4:50 O'CLOCK P. M.

R. H. MATZ
COUNTY RECORDER

Francis L. Lawman
2nd DEPUTY

File No.

T. 8 N. R. 24 E

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

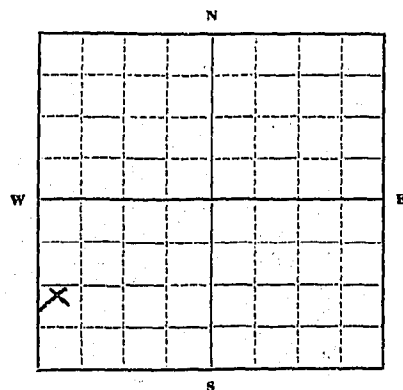
RECEIVED

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Rath's Ranch, of Box 478 Roundup
(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 SW Sec. 3 T. 8. 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.....
stock water

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been.....Summer 1954
continuous

4. The amount of groundwater claimed (in miner's inches or gallons
per minute).....6 gal

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

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

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

8. The depth of water table.....2.40

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 steel cased

10. The estimated amount of groundwater withdrawn each year.....150,000 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.....

Signature of Owner.....Rath's Ranch - Tony & RuthDate.....May 15, 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.

166336

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 15 DAY OF

May A. D. 1962

AT 3:59 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Clair J. Gossman

DEPUTY

#2.00

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 8N R. 24E

County Musselshell

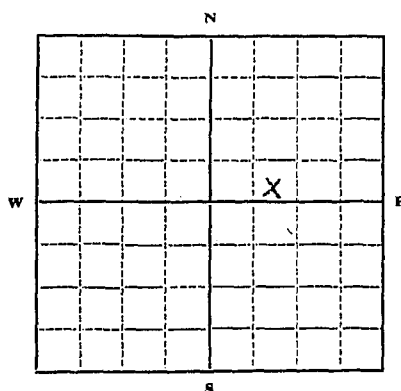
JAN 3 1964

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Marie E. + Nicholas T. Rath of Box 478 Roundup
(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 Sec. 7 T 8N R 24E

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.

1956 Continuous

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

6 gal per min

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

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

Windmill

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

1956

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.

6 in. gal casing

10. The estimated amount of groundwater withdrawn each year.

50,000 gal.

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

Dark shale Lance

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 Nicholas T. RathDate 12-31-63

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

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

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

20604

169760

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY, }

FILED THIS 31 DAY OF
December A. D. 19 63
AT 4:46 O'CLOCK P. M.

B. E. MATZKE

COUNTY RECORDER
Francis L. Dawson
209 DEPUTY

File No.

DUPLICATE

T. 8N R. 24E

County Musselshell

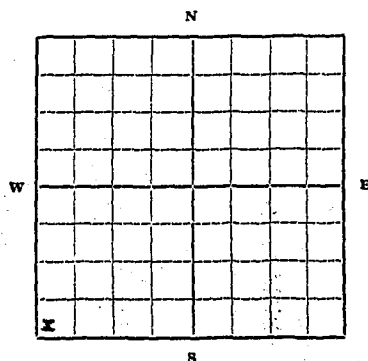
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 5 - 1963

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

STATE ENGINEER

1. Alma Z. Clausen, of Box 215 Roundup
(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. 8 T. 8N. R. 24E

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 June 30, 1963
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 1/2 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal jack and electric motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 10 - June 30, 1963
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 220' deep; 5" casing; 1 1/2" pipe; 210' 7/16 pump rod. An underground pipe conveys water to a second pasture in 18-24 (NE 1/4)
10. The estimated amount of groundwater withdrawn each year 250,000 gallons
11. The log of formations encountered in the drilling of each well if available 25' sandstone; 55' sandy shale; 70' sandstone (water 1 1/2 gallons per minute); 105' dark shale and streaks of coal; 124' shale and sandy shale; 170' sandstone and sandy shale (water 1 gal. per minute); 192' shale and coal streaks; 197' sandstone (water 1 gallon per minute); 212' shale; 220' 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.

Signature of Owner Alma Z. ClausenDate July 1, 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.

4908.

168258

STATE OF MONTANA,
MUSSELSHELL COUNTY, } ss.

FILED THIS 31 DAY OF

July A. D. 19 23
AT 9.00 O'CLOCK a.M.

B. H. MATZKE

COUNTY RECORDER

Clair J. Bosman
DEPUTY
92.00

STATE ENGINEER
RECORDED
JUL 24 1923

File No.

T. 8N R. 24E

DUPLICATE

County. Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 27 1963
STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater. June 17, 1961

Owner. Alma Z. Clausen Address. Roundup, Montana

Contractor (if any) Woodrow Thompson Lavina, Montana

Address of Contractor

Date Started. June 17, 1961 Date Completed. October 27, 1961

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. 6' x 4' culvert, with lid, upright, collecting pool, 24' orangeburt pipe; 100' 1 1/2" plastic pipe leading to 2 storage troughs. 9 hours of cat

work excavated the bottom of coulee to source of water and made a dike to prevent flood waters to reaching spring

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

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

It runs the width of a pencil, or about a gallon in every 4 minutes.

Signature of Owner. Alma Z. Clausen

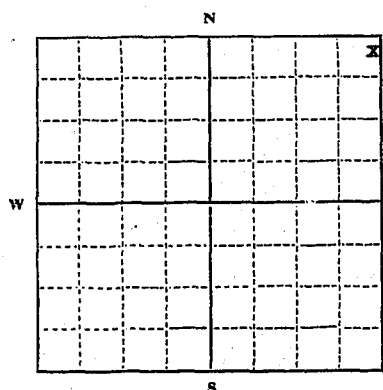
Date. August 26, 1963

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

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

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

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



NE 1/4 Sec. 9 T. 8N. R. 24E

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

1555

168478

STATE OF MONTANA.
MUSSELSHELL COUNTY.

FILED THIS 26 DAY OF
August A. D. 1963
AT 10:30 O'CLOCK A.M.
B. H. MATZKE

COUNTY RECORDER

DEPUTY

File No.

STATE WATER CONSERVATION BOARD

T.

N R E

DUPLICATE

R E C E I V E D
 AUG 16 1965

County

Missoula

LOG

RETURNED TO

 STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

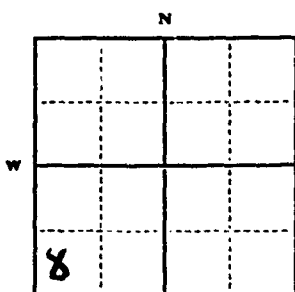
Owner A. Z. Clarence Address Bannock, Mont.Driller Harry M. Connell Address Bannock, Mont.

Date of Notice of appropriation of groundwater

Date well started July 1, 1965 Date completed July 16, 1965Type of well drilled Equipment used Churn drill
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 8" | (70.0) | 0 | 75 | 18" | 95' | 100' |
| | 6.5" 1.0 | | | slate | 170' | 180' |
| | 5" 1.0 | 75 | 230 | | | |
| | 15" | | | | | |

Static Water Level for non-flowing well 90 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 200 feet
at 2 1/2 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailerLength of Test 1 hr.Remarks: (Gravel packing, cementing, packers, type of shutoff) none

1/4 Sec. T 8 R 24
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

limestone

Show exact depth of bottom.

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

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

Driller's License Number 43

Driller's Signature

Harry M. Connell

39437

172803

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY, }

FILED THIS 13 DAY OF
August A. D. 1965
AT 9:00 O'CLOCK a M.

CLAUDE F. FLETCHER
COUNTY RECORDER

Eldred J. Grossman
DEPUTY
#5.00

RECEIVED
JUL 10 1965
STATE OF MONTANA
COUNTY OF MUSSELSHELL

RECORDED TO

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Charles Ondracek

Address _____

Roundup, Montana 59072

Date well started December 18, 1972

completed December 21, 1972

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Rotary

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

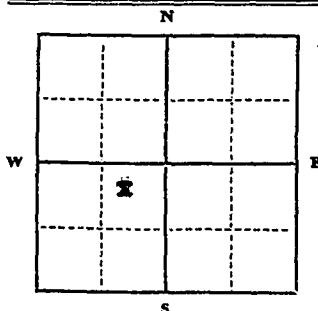
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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) |
| 7" | 5 1/2 I.D. | 0 | 230 | slotted | 55 | 116 |
| | 15 1/2" pr | | | | 146 | 209 |



Static water level 30 ft.*
Pumping water level 100 ft.*
at 17 gallons per minute,
measured _____ minutes after pumping
began.

*Measured from ground level.
Well developed by balling
for 4 hours.

Power _____ Pump _____ HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) _____

NE 1/4 SW 1/4 Sec. 11

T. 8 N. R. 24 E. W.

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

Driller's Signature Mark E. Hunt

Driller's Address Klein Star Rte.

Roundup, Mont. 59072 LICENSE NO. 207

RECEIVED

ON 24 11

County Musselshell

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 | 18 | topsoil |
| 18 | 58 | brown sandstone |
| 58 | 63 | blue gray shale |
| 63 | 66 | sand (20%) |
| 66 | 142 | blue gray shale & bent. |
| 142 | 151 | blue gray sandy bent. |
| 151 | 160 | gray bentonite |
| 160 | 163 | coal |
| 163 | 170 | gray bentonite |
| 170 | 199 | blue gray shale & bent. |
| 199 | 207 | gray blk bent w/ sand str. |
| 207 | 230 | white bentonite |

230 Show exact depth of bottom

52,010

184874

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY. }
FILED THIS 27th DAY OF
December A. D. 1972
AT 9:35 O'CLOCK a.M.
CLAUDE F. FLETCHER
COUNTY RECORDER
Frances L. Danner
DEPUTY

\$2.02

Form No. 18
8-60

13
T. 8 N R. 24 E
County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUN 27 1961

STATE ENGINEER

WATER WELL LOG

| | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Owner Alma Clausen Address Roundup, Montana
Driller McConnell Bros. Address Roundup, Montana
Date Started May 12, 1961 Date Completed May 16, 1961
Location: Sec. 13 T. 8N R. 24E $\frac{1}{4}$ sec. center S $\frac{1}{2}$

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

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

Casing: 0 ft. to 70 ft. Type 20 gauge galv. Size 6"

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 40 to ft. 63. Ft. _____ to ft. _____

Type of screen or perforations factory perforated

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

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

Pumping water level _____ feet at 25 gal. per min.

How tested: bailer

Length of test _____

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

(over)

Log of Well

[illegible]

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOV 9 1971

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.

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 Alma Clauson

Address Roundup, Mont.

Date well started Oct. 5 1971

completed Oct. 9 1971

Type of well Drilled

Equipment used Rotary

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

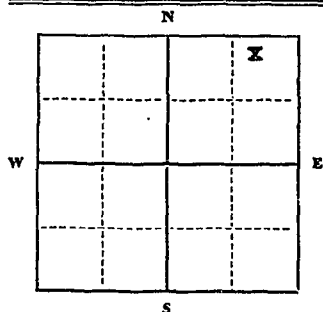
Industrial ☐ Drainage ☐ Other ☐ * Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 6 1/2 | Plastic 5" | 0 | 201 | slotted 1/4" | 80 | 120 |
| | | | | | 160 | 185 |



Static water level 84 ft.*
Pumping water level 136 ft.*
at 10 gallons per minute,
measured 10 minutes after pumping began.

*Measured from ground level.
Well developed by bailing
for 3 hours.

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

ne 1/4 ne 1/4 Sec 13
T. 8 N. 24 E.
S. W.

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

Driller's Signature Merle E. Hunt

Driller's Address Klein Star Rte

Roundup, Mont. LICENSE NO. 207

| Top of Ground (Elev. above sea level) | | |
|---------------------------------------|-----------|--------------------------|
| From (Feet) | To (Feet) | |
| 0 | 25 | gravel |
| 25 | 42 | blue shale & bentonite |
| 42 | 61 | brown sandstone & lime |
| 61 | 66 | sandy shale w/ bentonite |
| 66 | 88 | blue gray shale w/ lime |
| 88 | 125 | sand 90% |
| 125 | 138 | blue shale w/ bentonite |
| 138 | 162 | hard sand w/ silty shale |
| 162 | 177 | shale w/ silty bentonite |
| 177 | 178 | silty shale/lime (hard) |
| 178 | 181 | sand (90%) |
| 181 | 185 | blue gray shale w/ bent. |
| 185 | 190 | blue shale w/ sand 20% |
| 190 | 201 | black shale |

201 Show exact depth of bottom

49348

182373

STATE OF MONTANA,
MUSSELSHELL COUNTY, } SE

FILED THIS 8 DAY OF

November A.D. 1921

AT 9.55 O'CLOCK A M.

Claude L. Fletcher
COUNTY RECORDER.

H. J. Co

DEPUTY

RECEIVED
OCT 18 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |

Owner Mrs. F. C. Clausen Address Roundup, Montana
Driller Gordon Scammon Address Roundup, Montana
Date Started October 8th Date Completed October 13, 1949
Location: Sec. 15 T. 8 R. 24 $\frac{1}{4}$ sec.

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

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

Casing: 0 ft. to 34 ft. Type New galvanized 11# Size 6"

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

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

Type of screen or perforations: _____

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

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

Pumping water level: _____ 30 feet at _____ 30 gal. per min.

How tested: _____ bailer

Length of test: _____ half hour

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

Casing cemented with 4 sax cement.

(over)

Log of Well

[illegible]

RECEIVED

JUL 2 1959

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |

Owner..... Alma Clausen Address..... Roundup, Mont.
Driller..... Don Strand Address..... Roundup
Date Started..... 6-15-59 Date Completed..... 6-19-59
Location: Sec..... 15 T..... 8 R..... 24 1/4 sec. SW 1/4

Type of well..... Churn 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 111 ft. Type..... 20 ga. galv Size..... 6"

Casing:..... ft. to..... ft. Type..... Size.....

Casing:..... ft. to..... ft. Type..... Size.....

Perforated or Screened: Ft..... 80 to ft..... 105 Ft..... to ft.....

Type of screen or perforations..... 1/32" punched holes

Static Water level, for non-flowing well: 62' feet from top feet.

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

Pumping water level..... 62 feet at..... 12 gal. per min.

How tested:..... Bale tested

Length of test..... 2 hours

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

Hole cased to bottom with 20 ga. galv. casing. 18 ft. anchor joint, 3" x 16" Red

Jacket cyclinder, 84 ft. 1 1/4" pipe above cyclinder, 7/16 pump rod, Meyers pump. Well

is completed.

(over)

Log of Well

| Depth, feet | | Description of Material Drilled |
|-------------|-----|--|
| From | To | |
| 0 | 1 | Sandy topsoil |
| 1 | 19 | Sand rock |
| 19 | 20 | Brown Shale |
| 20 | 22 | Sticky blue shale |
| 22 | 27 | Sandy grey shale |
| 27 | 29 | Hard grey shale |
| 29 | 36 | Soft blue shale |
| 36 | 47 | Hard grey shale |
| 47 | 51 | Soft grey shale |
| 51 | 55 | Hard grey shale |
| 55 | 64 | Fine sandy shale |
| 64 | 68 | Blue shale |
| 68 | 70 | Sandy shale- water \approx 1 qt. |
| 70 | 73 | Grey sand shale |
| 73 | 76 | Fine sandy shale - grey |
| 76 | 77 | Hard lime- rock |
| 77 | 80 | Brown shale rock |
| 80 | 81 | Grey sand - rock |
| 81 | 83 | Grey shale |
| 83 | 85 | Very hard grey rock |
| 85 | 86 | Blue shale |
| 86 | 88 | Grey sand rock |
| 88 | 93 | Blue shale |
| 93 | 95 | Sandy shale |
| 95 | 96 | Grey sand with black specks - water 10 gal. per minute |
| 96 | 101 | Hard grey rock |
| 101 | 102 | Grey sand - black specks- water 2 plus gal. per minute |
| 102 | 111 | Sandy shale |

Doc. No. 182889
ow. File for record
this 11 day of November
File No. 19 at 8:50
A. M. 8 M.
DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—48557

T. 8 N R 24 E S. 15
County Musselshell

NOV 17 1971

LOG

Top of Ground
(Elev. above sea level.....)

18' Soft Sandy Clay
25' Grey sandstone med. soft
35' Hard grey sandstone
48' grey sandstone med grained
60' med coarse grey sandstone first show of water
60ft depth water 30 ft from top, casing set to hard sandstone

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Owner Clausen Ranch Address Roundup

Driller Gordon Scammon Address Roundup

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

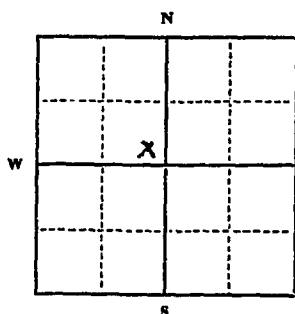
Date well started Oct 8, 1949 Date completed Oct 13, 1949

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

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

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| | 6" | 0 | 34 | | | |



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

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

Pumping Water Level 30 feet
at 30 10 gal. per minute.

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

How Tested Baler

Length of Test 1 hr

Remarks: (Gravel packing, cementing, packers, type of shutoff) 4 sacks Cement

SENECA Sec. 15 T. 8 R. 24
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

177

Driller's License Number

Gordon Scammon
Driller's Signature.

49375

Show exact depth of bottom.

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

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

(Continue on reverse side)

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

182889

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY.

FILED THIS 11 DAY OF

November A. D. 19 21

AT 8.50 O'CLOCK 9 M.

Claude A. Fletcher
COUNTY RECORDER

200

DEPUTY

Dr. No. 182829
for record
this 11 day of November
File No. 8-50
Duplicate A.M.

MONTANA WATER RESOURCES BOARD
RECEIVED

NOV 12 1971

T. 8 N R. 24 E
County Musselshell

LOG MONTANA WATER RESOURCES BOARD

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

(Elev. above sea level) NOV 29 1971

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

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

Owner Clausen Ranch Address Roundup

Driller Gordon Scammon Address Roundup

Date of Notice of appropriation of groundwater

Date well started Oct 8, 1949 Date completed Oct 13, 1949

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

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

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| | 6" | 0 | 34 | | | |
| | 11 lb. water well galv. | | | | | |

Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 30 feet
at 30 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Baler

Length of Test 1 hr.

Remarks: (Gravel packing, cementing, pack-

type of shutoff) 4 sacks

Cement

Sec. 15 T. 8 R. 24

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

177

Driller's License Number

Gordon Scammon

Driller's Signature

49375

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

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

Show exact depth of bottom.

18' Soft Sandy Clay
25' Grey Sandstone med. soft
35' Hard grey Sandstone
48' grey sandstone med grained
60' med coarse grey sandstone first show of water

60 ft depth water 30 ft from top, casing set to hard sandstone.

Do not perforate casing set on top of water bearing sand

This should be 10 gal per min. instead 30

T. 8 R. 24
County Musselshell

RECEIVED
OCT 18 1957

STATE ENGINEER
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |

Owner Mrs. F. C. Clausen Address Roundup, Montana
Driller Gordon Scammon Address Roundup, Montana
Date Started October, 1949 Date Completed April 26, 1951
Location: Sec. 17 T. 8 R. 24 1/4 sec. SE 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 398 ft. Type galvanized Size 4 1/2"
Casing: ft. to ft. Type Size
Casing: ft. to ft. Type Size

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

Type of screen or perforations

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

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

Pumping water level Indefinite feet at 4 gal. per min.

How tested: bailer

Length of test: half hour

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
Type of joints in casing: Thread and collar.

Log of Well

| Depth, feet | | Description of Material Drilled |
|-------------|-----|---|
| From | To | |
| 0 | 200 | Not known. Drilled by Fred Eliasson |
| | 235 | Grey green shale |
| | 243 | Grey sandy shale |
| | 262 | Grey shale with thin sandstone breaks |
| | 271 | Coal top 4 ft. carbonaceous shale, bottom 4 ft. hard coal |
| | 302 | Grey shale |
| | 305 | Grey green sandstone |
| | 320 | Grey shale |
| | 330 | Shale with thin sandstone breaks |
| | 340 | Dark grey shale |
| | 346 | Grey sandy shale |
| | 350 | Hard grey sandstone |
| | 353 | Grey sandstone |
| | 360 | Light grey shale |
| | 363 | Sandstone grey |
| | 366 | Light grey shale |
| | 371 | Sandstone grey |
| | 376 | Light grey shale |
| | 388 | Sandstone grey |
| | 398 | Sandstone with thin shale breaks |
| | 404 | Sandy grey shale |
| | 410 | Dark grey shale |
| | 420 | Light sandy shale |
| | 425 | Grey sandy shale |
| | | TOTAL DEPTH 425 ft. |
| | | |
| | | |
| | | |
| | | |

File No.

DUPLICATE

T. 8 N R. 24 E

County Musselshell

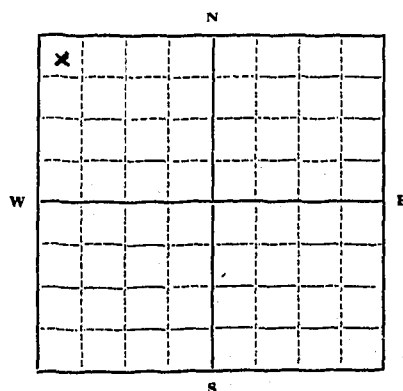
RECEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. Baths Ranch, of Box 478 Roundup
(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 NW Sec. 18, T. 8, 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.....
Stock Water

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been Dec 51 continuous

4. Amount of groundwater claimed (in miner's inches or gallons
per minute) 8 gal

5. Used for irrigation, give the acreage and description of the lands
on which water has been applied and name of the owner thereof
none

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater May 1951

8. The depth of water table 70

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 steel cased

10. The estimated amount of groundwater withdrawn each year 150,000 gal

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

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

Bath Ranch - George R. BathDate May 15, 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.

166334

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY, }

FILED THIS 15 DAY OF

May

A. D. 19 62

AT 3:55 O'CLOCK P M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Freeman

DEPUTY

\$2.00

File No.

RECEIVED

T. 8 R. 24 19

DUPLICATE

MAR 2 1970

County Musselshell

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

00 12 ft. top soil
12 20 tan shale
20 23 coal
23 30 grey shale
30 32 coal
32 39 grey shale
39 42 coal
42 99 grey shale
99 103 grey sand
103 116 grey green shale
116 125 grey sand (med.)
125 161 dark grey sandy shale
161 208 grey sand 3 ft. coal @ 185
208 215 grey shale

Total depth
tested 10 gal. per min.

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Geo. P. Rath Address RoundupDriller Gordon Seamon Address Roundup

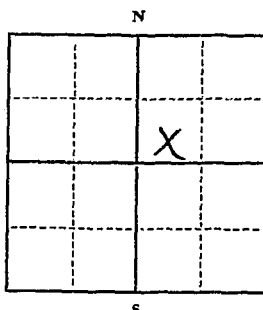
Date of Notice of appropriation of groundwater.....

Date well started Sept. 1968 Date completed Sept. 1968Type of well Drilled Equipment used Rotary
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|---------------------------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 6 1/4 | 5 1/2 | 0 | 215 | | | |
| | | | | perforated opposite water sands | | |

Doc. No. 180202
Filed for record
this 26 day of February
A. D. 19 70, at 7:40
o'clock P M.



SW 1/4 NE Sec. 19 T. 8 R. 24
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well

Top of groundfeet.

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

Pumping Water Level.....feet

at.....gal. per minute.

Discharge in gal. per min. of flowing well

1 gal.

How Tested BailerLength of Test 1 hr.Remarks: (Gravel packing, cementing, packers, type of shutoff) packer & cement

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Driller's License Number

Driller's Signature

Montana # 54
Gordon Seamon

46217

10

180202

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 26 DAY OF
February A.D. 1970
AT 4:40 O'CLOCK P.M.

Claude L. Litcher
COUNTY RECORDER

200

DEPUTY

RECEIVED
OCT 16 1957

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

| | | | |
|--|--|---|--|
| | | | |
| | | X | |
| | | | |
| | | | |

Owner Mrs. F. C. Glansen Address Roundup, Montana
Box 231
Driller W. L. Livingston Address Winnett, Montana
Date Started August, 1951 Date Completed August 28, 1951
Location: Sec. 20 T. 8 R. 24 $\frac{1}{4}$ sec. NE $\frac{1}{4}$

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

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

Casing: 0 ft. to 400 ft. Type galvanized casing Size 4"
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)

Casing set on one packer 384 $\frac{1}{2}$ feet and other packer set at 200 ft. Top collar
5 ft. below surface of ground. Well flowing $\frac{1}{2}$ gallon per minute. Windmill and
engine added to supply more water during peak season.

(over)

Log of Well

[illegible]

GW

File No.

DUPLICATE

T. 8 N. R. 24 E. M.P.M.

County Musselshell

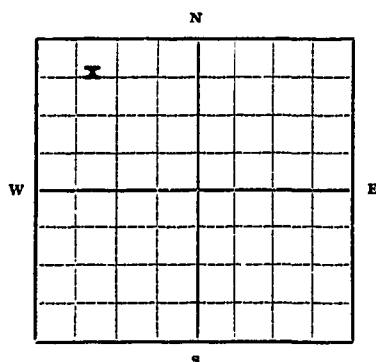
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED

STATE ENGINEER

1. Emil A. Rech, of Box 805, Roundup,
(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 NW 1/4 Sec. 22 T. 8 N. R. 24 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 livestock water

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

4. The amount of groundwater claimed (in min. inches or gallons per minute) 4 gallons per minute.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump jack. Located in NW 1/4 NW 1/4 Sec. 22, Township 8 North, Range 24 East N.P.M.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1907 and deepened in 1956 to 135 ft.

3. The depth of water table 90 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 Cased in 1956 with 5" casing - 90 ft. Installed electric motor and pump jack and two round stock tanks.

10. The estimated amount of groundwater withdrawn each year 45,000 gallons per year.

11. The log of formations encountered in the drilling of each well if available Blue shale struck at 25', Hard grey shale and sand stone for next 80', Coarse sandstone and coal for next 20'.

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

Signature of Owner

Date

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

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

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

1631

165956

STATE OF MONTANA,
MUSSELSHELL COUNTY,

FILED THIS 6 DAY OF

March A. D. 1962

AT 11:00 O'CLOCK AM

B. H. MATZKE

COUNTY RECORDER

Clair J. Rossman

DEPUTY

92.00

File No.

DUPLICATE

T. 8 N R. 24 E M.P.M.

County Musselshell

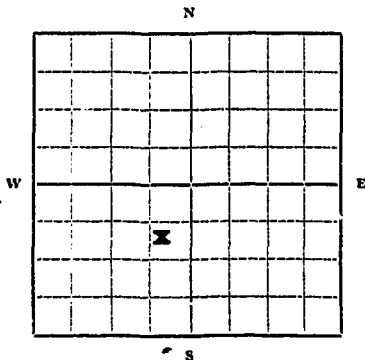
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 7 1962

STATE ENGINEER

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

1. Emil A. Rech, of Box 805, Roundup,
(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. 22 T 8N R 24E

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 and household use.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1912 and continuously thereafter.
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 not applicable.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric jet pump and pressure tank. Located in SE 1/4 SW 1/4 of Section 22, Township 8 North, Range 24 East, M.P.M.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1912 drilled to 180' and deepened to 270' on July 30, 1957.
8. The depth of water table 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 6" galvanized casing to 180'; 4 1/2" casing inside 6" casing from top of ground to bottom of well or 270'.
10. The estimated amount of groundwater withdrawn each year 36,500 gallons per year.
11. The log of formations encountered in the drilling of each well if available Unknown to 180'; from 180' to 200' grey-green shale; 200' to 230' shale and sandstone; 230' to 270' coarse 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.

Signature of Owner

Date Feb 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.

1630

165959

STATE OF MONTANA, }
MUSSELSHELL COUNTY, }

FILED THIS 6th DAY OF
March A. D. 1962

AT 11:06 O'CLOCK a M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Gosman
DEPUTY

42.00

GW

File No.

DUPLICATE

T. 8 N. R. 24 E. M.P.M.

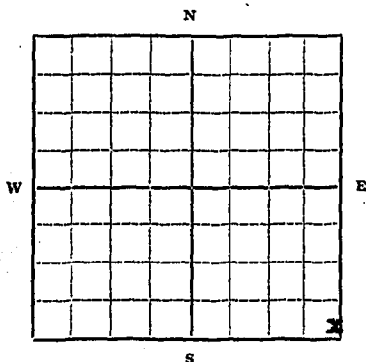
County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

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

1. Emil A. Rech of Box 805 Roundup,
(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 SE 1/4 Sec. 22 T. 8 N. R. 24 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 Livestock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 9, 1948 and continuously thereafter.
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 Not applicable.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill and automatic butane motor into 30' diameter stocktank. Located in SE 1/4 SE 1/4 Sec. 22, Township 8 No., Range 24 E. M.P.M.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 9, 1948 to 169' and deepened to 240' on August 10, 1955.
8. The depth of water table 90'
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 240' of 6" new galvanized casing discharging into pipe and then into 30' diameter stocktank.
10. The estimated amount of groundwater withdrawn each year 52,800 gallons per year.
11. The log of formations encountered in the drilling of each well if available 169' to 190' grey shale; 190' to 218' grey-green shale; 218' to 240' dark green shale and coarse 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.

Signature of Owner Emil A. Rech

Date Feb. 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.

16 2/3

165958

STATE OF MONTANA, }
MUSSELSHELL COUNTY. }

FILED THIS 6 DAY OF

March A. D. 19 62

AT _____ O'CLOCK _____ M.

B. H. MATZKE

COUNTY RECORDER

Clarence G. Gorman
DEPUTY

#2.00

File No.

T. 2N R 24E

DUPLICATE

County Musselshell

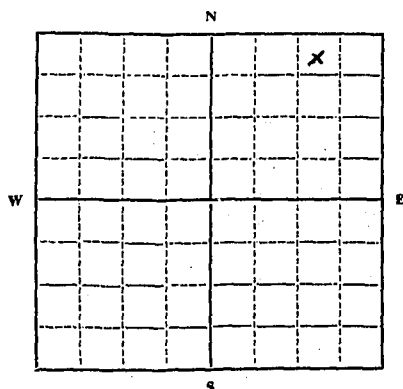
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Ruth Babch, of Roundup Box 428
(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:



N.E. 1/4, N.E. Sec. 30, T. 2, 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.....
stock water

3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been..... 1947 continuous

4. The amount of groundwater claimed (in miner's inches or gallons
per minute)..... 8 gal

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater..... March 1947

8. The depth of water table..... 270

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 steel cased

10. The estimated amount of groundwater withdrawn each year..... 150,000 gal

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

Signature of Owner Ruth Babch - George R. BabchDate May 15, 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 Quadraplate for the Appropriator.

166329

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY, }

FILED THIS 15 DAY OF

May A D 1962
AT 7:45 O'CLOCK P. M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. [Signature]
DEPUTY

\$2.00

STATE WATER CONSERVATION BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—423.

File No.

NOV 13 1965

T. 8. N. R. 24. E. 31

DUPLICATE

Billie _____
Butler _____
Co. LOG _____
Darlington _____
McDermott _____
McNally _____
Stanton _____
Sullivan _____

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground _____

(Elev. above sea level _____)

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

(Under Chapter 237, Montana Session Laws, 1961)

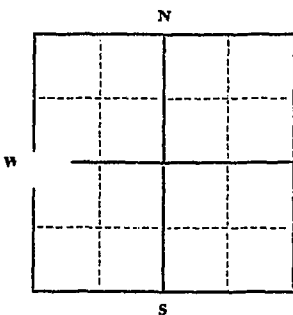
Owner B. L. M. Address Lewistown Mont.Driller P. L. Ferguson Address Roundup, Mont.

Date of Notice of appropriation of groundwater _____

Date well started 8-13-65 Date completed 8-19-65Type of well Drilled Equipment used Churn
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|----------------------|---------------------------|-------------|-----------|--------------|-------------|-----------|
| | | | | Kind Size | From (Feet) | To (Feet) |
| 8 1/4" | 20# | 0 | 250 | 1 1/8" | 75 | 80 |
| | 6.5820 | | | 2 1/4" | 213 | 225 |



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well not applyPumping Water Level _____ feet
at 2.2 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested drillingLength of Test 1 hr

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) _____

Sec. 31 T. 8. N. R. 24. E.

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Cemented

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Driller's License Number

Driller's Signature

39810

173123

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY. }

FILED THIS 10 DAY OF
November A. D. 19 65
AT 9:34 O'CLOCK 9 M.
Claude L. Fletcher
COUNTY RECORDER

DEPUTY

RECEIVED
DEPARTMENT OF REVENUE
MONTANA
NOV 11 1965
CLERK OF DISTRICT COURT
MUSSELSHELL COUNTY
STATE OF MONTANA

File No.

T. S. N. R. 24. E.

DUPLICATE

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Seilstad #1 M6-R-857

RECEIVED
OCT 1 1964

Notice of Appropriation of Groundwater

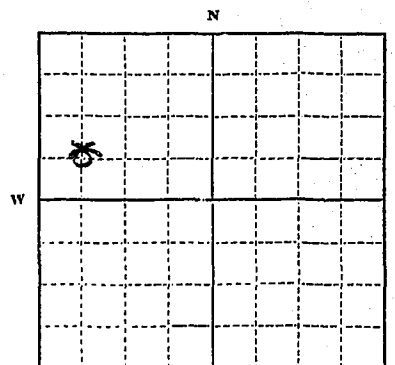
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, Bureau of Land Management of Drawer 699
(Name of Appropriator) (Address) Lewistown (Town)
County of Fergus, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.
2. The beneficial use to which water is to be applied is Stockwater
Not applicable
(describe lands to be benefited, if for irrigation)
3. The rate of use in gallons per minute or miner's inches of groundwater claimed 2000 gals./day
@ 5 gals./min.
4. The annual period (inclusive dates) of intended use Year long
5. The probable or intended date of first beneficial use June 1, 1965
6. The probable or intended date of commencement and completion of the well* or wells*
7. The location, type, size and depth of well or wells contemplated SW 1/4, Sec. 31, T. 8N., R. 25E. A drilled and cased well, 150' deep, 6" casing. Pump well.
8. The probable or estimated depth of the water table or artesian aquifer 150 ft.
9. Name, address and license number of the driller engaged

10. Give such other similar information as may be useful

in carrying out the policy of this act. Inferred
aquifer is the Hell Creek Sandstone. Water
will be used at location for watering range
livestock.



NW 1/4 Sec. 31 T. 8N. R. 24 E
Locate well or other means of
development as accurately as
possible on the plat.

Signature of Appropriator /s/ Garth M. Colton

District Manager

Date August 13, 1964

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

38532

171407

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY, }

FILED THIS 20 DAY OF

Sept A.D. 1964

AT 1:57 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Clair J. Freeman
DEPUTY

2.10