

File No.

DUPLICATE

T. 77 R. 24 E

County Musselshell

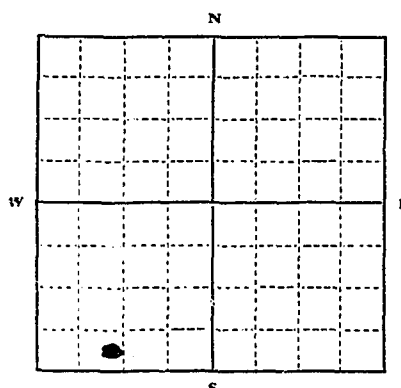
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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:



SW 1/4 of Sec. 3 T. 77 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 Stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1952 Continuous
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
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 1952
8. The depth of water table 60 F.T. 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 110 ft deep
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 The estimated amount of groundwater withdrawn each year 50,000 gal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 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. Vesconi

Date

Dec 27 1963

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

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

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

15303

169403

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 27 DAY OF

Dec A. D. 19 63

AT 9:33 O'CLOCK a.M.

B. H. MATZKE

COUNTY RECORDER

Waine J. Green
DEPUTY

\$2.00

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 7 N. R. 24E
County Missoula
RECEIVED
DEC 30 1963
STATE ENGINEER

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner Earle Wescom Address Box 337
Bozeman Montana

Contractor (if any)

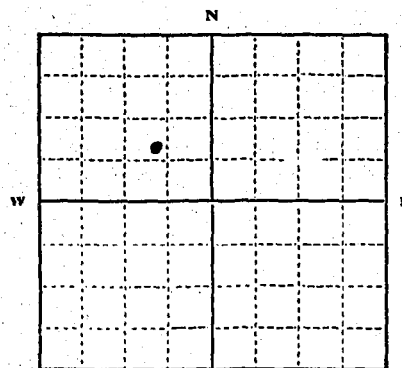
Address of Contractor

Date Started Date Completed

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

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 8 monthsYearlySignature of Owner Earle WescomDate Dec 18 1963

NW 1/4 Sec. 4 T. 7 R. 24E

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 Quaduplicate for the Appropriator.

169401

STATE OF MONTANA
MUSSELSHELL COUNTY.

FILED THIS 27 DAY OF

Dec A. D. 19 63
AT 9:31 O'CLOCK 2 M.

B. H. MATZKE

COUNTY RECORDER

Clair J. Gossman

DEPUTY

42.00

File No.

DUPLICATE

T. 7N R. 24E M.P.M.County. Musselshell

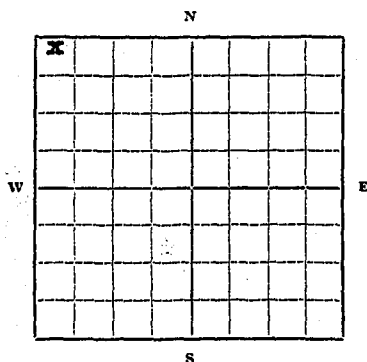
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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. 4, T. 7N, 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 Stockwater.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1961 and continuously thereafter.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 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 applicable.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Automatic butane motor and pump jack. Located in NW 1/4, NW 1/4 Section 4, Township 7N, Range 24E. M.P.M.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 16, 1961 drilled to 58'
8. The depth of water table 18'
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 5" casing to 58'; 4' x 6' concrete platform to set pump on.
10. The estimated amount of groundwater withdrawn each year 46,800 gallons per year.
11. The log of formations encountered in the drilling of each well if available 10' sand; 20' shale; 5' very hard rock; 23' sandstone, coal and shale alternating.
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.

1632

165957

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 6 DAY OF

March A. D. 19 62

AT 11:02 O'CLOCK a.m.

B. H. MATZKE

COUNTY RECORDER

Elaine Gosman
2.20 DEPUTY

File No.

DUPLICATE

STATE WATER CONSERVATION BOARD

T. 7 R. 24

County Musselshell

LOG

SEP 22 1966

STATE OF MONTANA

Bill ADMINISTRATOR OF GROUNDWATER CODEButcher OFFICE OF STATE ENGINEERCo. Notice of Completion of GroundwaterDerrick Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

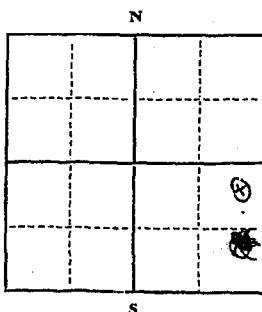
Owner John Mehling Address Hardin, MontDriller P.L. Ferguson Address Roundup Mont

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

Date well started July 13, 1966 Date completed Aug 6, 1966Type of well Drill Equipment used Churn Drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	5 1/2"	0	285	3/4"	90	120
				1 1/2"	255	270

Static Water Level for non-flowing well 95 feet.

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

Pumping Water Level 266 feet
at 5 gal. per minute.

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

How Tested Bo. LiveLength of Test 1 Hour

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

SE 1/4 Sec. 7 T. 7 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).

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 34Driller's Signature P.L. Ferguson

41,429

771519

STATE OF MONTANA. (ss.)
MUSSELSHELL COUNTY.

FILED THIS 21 DAY OF

Sept A. D. 1966

AT 8:20 O'CLOCK A.M.

Charles J. Fletcher
COUNTY RECORDER

200

DEPUTY

174509

174509

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 21 DAY OF

Sept A. D. 1966

AT 8:40 O'CLOCK A M.

Charles J. Fletcher
COUNTY RECORDER

200

DEPUTY

Form No. 18
8-60

2

T. 7N R. 24E
County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUL 21 1961

WATER WELL LOG

STATE ENGINEER

Owner Jack Jarrett Address Roundup
Driller Gordon Scammon Address Roundup
Date Started Oct. 10, 1950 Date Completed Nov. 4, 1950
Location: Sec. 8 T. 7N R. 24E $\frac{1}{4}$ sec. Sw Se

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

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

Casing: 0 ft. to 320 ft. Type Galv Size 6" OD

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

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

Perforated or Screened: Ft. 75 to ft. 115 . Ft. 320 to ft. _____

Type of screen or perforations slot

Static Water level, for non-flowing well: 40 ft. from top feet.

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

Pumping water level 0 feet at 3 gal. per min. _____

How tested: by bailer

Length of test 30 min.

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

(over)

Log of Well

[illegible]

GW

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

File No.

T. 7 N. R. 24 E. 13

DUPLICATE

County. Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

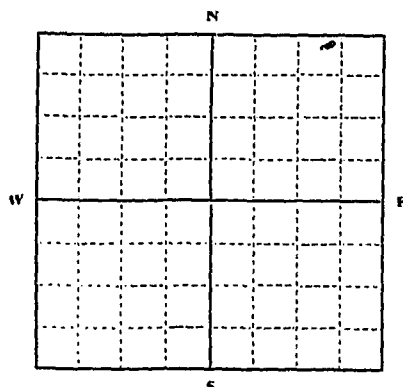
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Carl E. Vessoni 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:



NE 1/4 Sec. 13 T. 7 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. Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. July 30 1959
Continuous

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

Pumping

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. July 27 1959 completed July 30 1959

8. The depth of water table. 40' feet 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.

Type T and C Size 6 in. casing 92 ft deep

10. The estimated amount of groundwater withdrawn each year. 216 000 gal

11. The log of formations encountered in the drilling of each well if available. 4 Topsoil

4-10 Sand 10-12 Gravel 12-30 Tan & black 30-40
Grey Shale 40-44 Grey Sandstone 44-50 Sandstone
50-60 Black Shale 60-72 Tan sandy shale 72-74 Sandstone
70-82 Sandstone 82-92 Very sandy Shale & shells

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. Vessoni

Date Dec 18 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.

15300

169400

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 27 DAY OF
June A. D. 19 63

AT 9:30 O'CLOCK A M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Gammie
DEPUTY

2.00

T 7 NR 24 E

County: Franklin

STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Yescor, Inc. Address Township Mont.

Driller: P. L. Ferguson Address: Kunduk Mart-

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

Date well started 10-28-63 Date Completed 11-4-63

Type of well.....*drilled*..... Equipment Used.....*Churn*.....
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

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

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

	Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
					Kind Size	From (Feet)	To (Feet)
160 layers sand & clay more H ₂ O							
168 Blue shale	10 in	8 in - 17 lb -	1	28			
	7 5/8	5 1/2 OD	1	168	slate	30 60	
		5 in ID				78 168	

Static Water Level for non-flowing Well...16 ft 4 in...feet.

Shut-in Pressure for Flowing Well does not Apply

Pumping Water Level..... 140feet at..... 10 gal. per minute.

Discharge in gal. per min. of flowing well does not apply

How Tested Baking Length of Test 1 hr.

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

acres irrigated, if used for irrigation)....Cemented

28 ft of Soil Casing at
surface, three sacks
Cement.

Driller's License Number Montana # 33

P. L. Ferguson
Driller's Signature

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

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

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

6984.

168888

STATE OF MONTANA, }
MUSSELSHELL COUNTY. }

FILED THIS 12 DAY OF
November A. D. 19 63
AT 3:00 O'CLOCK P M.

B. H. MATZKE

COUNTY RECORDER

Clarence Gasman
DEPUTY

#2.00

RECEIVED
MUSSELSHELL COUNTY
NOV 14 1963

File No.

T. 7 N. R. 24

DUPLICATE

County Musselshell

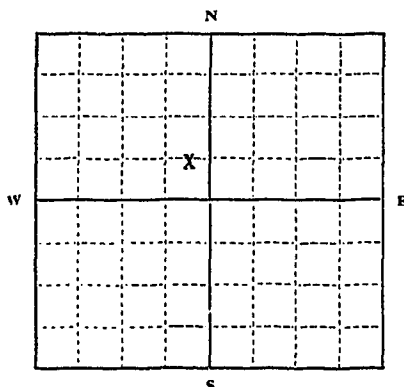
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 10 1963
STATE ENGINEER

1. Dean E. and Vera M. Godfrey, of 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 Sec. 13 T. 7 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.....
June 26, 1957, continuous use

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater.....June 26, 1957

8. The depth of water table.....10'

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 24' deep, cased to bottom 8 in. casing, water withdrawn through
pipe by pump.

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.....
0 to 10', top soil; 10 to 12' gravel; 12 to 15' sand rocks; 15 to 18',
quicksand; 18 to 20' shale; 20 to 24' gravel.

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

Dean E. Godfrey
Vera M. Godfrey

Date December 6, 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.

8402

169088

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 9 DAY OF

Dec A. D. 1963

AT 4:46 O'CLOCK P M.

B. H. MATZKE

COUNTY RECORDER

Clair J. Gosman
DEPUTY

Form No. 18
8-60

14

T. 7 N R. 24 E
County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAY 11 1961

WATER WELL LOG

STATE ENGINEER

Owner Jack Jarrett Address Roundup
Driller McConnell Brothers Address Roundup
Date Started May 8-1961 Date Completed May 24-1961
Location: Sec. 14 T. 7 N R. 24 E $\frac{1}{4}$ sec. SE NE

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other 4 1/2 D D

Casing: 46 ft. to 162 ft. Type Steel Size 4 1/2 OD

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

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

Perforated or Screened: Ft. 65 to ft. 75. Ft. _____ to ft. _____

Type of screen or perforations 1/2 slot

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

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

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

How tested: baler

Length of test 30 min

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

(over)

Log of Well

[illegible]

File No.

T. 7 N. R. 24 E. 15

DUPLICATE

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Jarrett N6-R-860

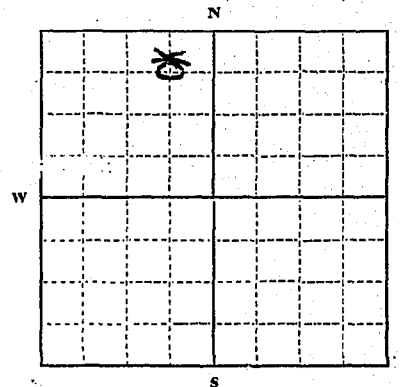
RECEIVED
CCT 1 1964

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, Bureau of Land Management of Drawer 699 Leviatown
(Name of Appropriator) (Address) (Town)
County of Yergus, 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 NW 1/4, Sec. 15, T. 7 N., R. 24 E. A drilled and cased well, 200' deep, 6" casing. Pump well
8. The probable or estimated depth of the water table or artesian aquifer 200 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 Fort Union Sandstone. Water
will be used at location for watering range
livestock.



NW 1/4 Sec. 15 T. 7 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.

38522

171396

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ^{SR.}

FILED THIS 1st 6³⁰ DAY OF

Sept A. D. 19 64

AT 1:46 O'CLOCK P.M.

E. H. MATZKE

COUNTY RECORDER

Elaine J. Brown
DEPUTY

42.2

File No.

NOV 12 1965

T. 7N R. 24E 15

DUPLICATE

Bille _____ McDermott _____

Butcher _____ McNulty _____

106 _____ Morton _____

Darlington _____ Sullivan _____

Dickert _____

County Musselshell

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)

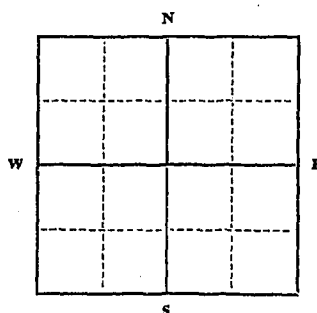
Owner B. L. M. Address Lewis town, Mont.Driller P. L. Ferguson Address Roundup, Mont.

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

Date well started 7-24-65 Date completed 7-31-65Type 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)
	24"			1"		
				1/8"	240	245
				slots	251	255

Static Water Level for non-flowing well
..... 140 feet.Shut-in Pressure for Flowing Well Not SupplyPumping Water Level 260 feetat 9.4 gal. per minute.

Discharge in gal. per min. of flowing well

del. not supplyHow Tested drillingLength of Test 1 hr.

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff).....

CompletedNE 1/4 Sec. 15, T. 7N R. 24E
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 Addi-
tion).

369 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.34
Driller's License NumberP. L. Ferguson
Driller's Signature

39805

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY. }

November A. D. 1965

Claude F. Litterer
COUNTY RECORDER

COUNTY RECORDER

200

SECRET
NO FOREIGN DISSEM
NO UNCLASSIFIED DISSEM

COMMISSION OF ENLIGHTENED
SOCIETY OF GEORGE WASHINGTON
OFFICE OF THE SECRETARY

[illegible]

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File No.

STATE WATER CONSERVATION BOARD

T. 77 R. 24E 23

DUPLICATE

SEP 2 1966

County Missoula

LOG

Bille _____ McDermott _____ STATE OF MONTANA
 Butzerin _____ McRae _____ ADMINISTRATOR OF GROUNDWATER CODE
 Coyle _____ Norton _____ OFFICE OF STATE ENGINEER
 Darlington _____ Sullivan _____
 Dickert _____

(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 E-E Ranch Address Bainbridge Mont.Driller Harry McConell Address Bainbridge Mont.

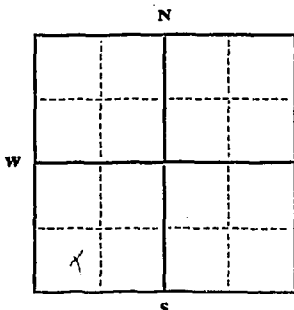
Date of Notice of appropriation of groundwater

Date well started July 28, 1966 Date completed July 30, 1966Type 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)
<u>6"</u>	<u>13#</u>	<u>0</u>	<u>39</u>	<u>1/2 Slots</u>	<u>25</u>	<u>35</u>

Static Water Level for non-flowing well 20 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 25 feet at 45 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested beakerLength of Test 1 hrRemarks: (Gravel packing, cementing, packers, type of shutoff) current 90 ft 3'

2W1/4 Sec. 23 T. 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 43Driller's Signature Harry McConell41,359

171422

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 15th DAY OF
September 1966
AT 12:07 O'CLOCK P. M.
CLAUDE F. FLETCHER

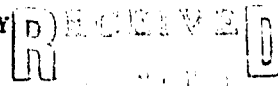
COUNTY RECORDER
Blaine J. Horne
2.00 DEPUTY

Form No. 18
8-60

T. 7 N. R. 24 E.

County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana



Water Well Log

STATE ENGINEER

Owner John J. J. J. Address Wendover

Driller W. J. Schell Address Deceased

Date Started June 1940 Date Completed 1940

Location: Sec. 23 T. 7 N. R. 24 E. 1/4 sec. 16 NW

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

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

Casing: 0 ft. to 65 ft. Type Galva Size 10" OD

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or screened: Ft. 30 to ft. . Ft. to ft.

Type of screen or perforations slot

Static water level, for non-flowing well: 100 ft from top feet.

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

Pumping water level 300 feet at 2 1/2 gal. per min.

How tested: Galva

Length of test 30 min

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

(over)

Log of Well

[illegible]

File No.

T. # N R. 24

DUPLICATE

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

DEC 11 1963

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level 2400+)

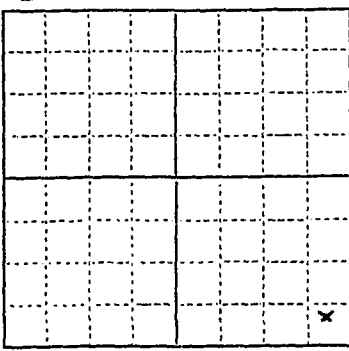
0-4 top soil gray

4-11 broken sandstone

11-32 sandstone gray med.

33-42 shale blue gray

42-52 sandstone-water bearing
Med. to coarse

W  E

E 1/4 Sec. 24 T. 7 R. 24
Indicate location of well and
place of use, if possible. Each
small square represents 10 acres.

Show exact depth of bottom.

Owner Hougardy Ranch Co. Address Roundup, Mont.Driller Gordon Scarmon Address Roundup, Mont.Date of Notice of Appropriation of Groundwater July 12, 1963Date well started July 12, 1963 Date Completed July 15, 1963Type of well Drilled Equipment Used Churn drill
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	6-5/8" #20	1	50	1 x 2"	35'	bottom

Static Water Level for non-flowing Well 35' feet.Shut-in Pressure for Flowing Well non-applicablePumping Water Level bailer test feet at 15 gal. per minute.Discharge in gal. per min. of flowing well non-applicableHow Tested bailer test Length of Test 10 min.

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

acres irrigated, if used for irrigation)

non-applicable# 54
Driller's License Number

Driller's Signature

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

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

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

8566

169106

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY, }

FILED THIS 10 DAY OF

Nov A. D. 19 63

AT 2:33 O'CLOCK P. M.

B. H. MATZKE

COUNTY RECORDER

Francis L. Dawson
DEPUTY

2.00

RECORDED

STATE ENGINEER

CV

File No.

DUPLICATE

T. 7 R. 24

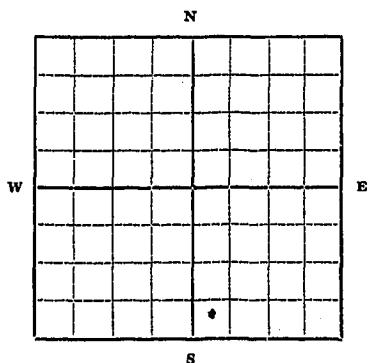
County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
DEC 11 1963
STATE ENGINEER

1. Hougaardy Ranch Co., of Box 247, 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 Sec. 24 T. 7 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 domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been since 1937
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 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 none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater fall of 1937
8. The depth of water table 35 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch hole, 5 1/2" casing
10. The estimated amount of groundwater withdrawn each year 60 to 70 thousand gal. per yr.
11. The log of formations encountered in the drilling of each well if available none except shale and 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 Hougaardy Ranch Co.Date 11-23-63

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

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

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

8568

169108

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 10 DAY OF

Dec A. D. 1963

B. H. MATZKE

COUNTY RECORDER

Frances L. Dawson
DEPUTY

92.00

169108

169108

GW

File No.

DUPLICATE

T. 7 N R. 24

County Musselshell

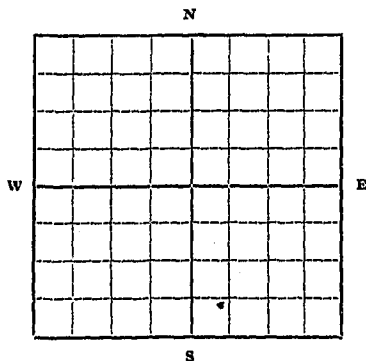
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
DEC 11 1963

STATE ENGINEER

1. Hougaardy Ranch Co., of Box 217 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:



S.E. 1/4 Sec. 14 T. 7 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
domestic and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
since 1940

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
Lawn and trees

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

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

8. The depth of water table
235 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
drilled - 6 1/2" hole, depth to 306'

10. The estimated amount of groundwater withdrawn each year
875,000 gal

11. The log of formations encountered in the drilling of each well if available
soft sandstone, 1/4" blue shale, coal - bit. dirty, 1 ft. coal, sand rock

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 Hougaardy Ranch Co.

Date 11-23-63

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

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

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

8590

169110

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY. }

FILED THIS 10 DAY OF

dec A. D. 1963

AT 2:41 O'CLOCK P.M.

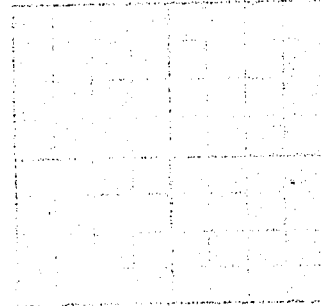
R. H. MATZKE

COUNTY RECORDER

Francis L. Dawson

DEPUTY

2.00



GW3

File No.

DUPLICATE

T. 11 R. 24

County Missoula

RECEIVED
DEC 11 1963

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater by present owner in 1956

Owner Hougardy Ranch Co. Address Roundup, Mont.

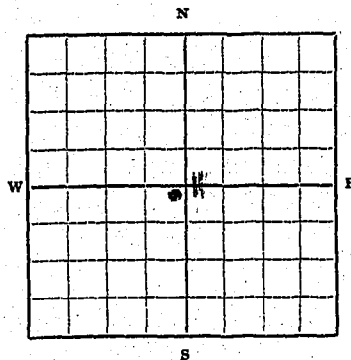
Contractor (if any) None

Address of Contractor XXXX

Date Started spring of 1957 Date Completed same spring

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Rebuilt spring box and put in cement curb with overflow pipe in 1957

Depth to water about three feet.



NE 1/4 SW 1/4 Sec. 25, T. 7, R. 24

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use Runs a full three-quarter inch pipe the year around

Signature of Owner Hougardy Ranch Co.

Date Nov. 23, 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 School of Mines and Quadruplicate for the Appropriator.

GW 3

File No.

DUPLICATE

T 10 N 24 R 24

County ...

RECEIVED
DEC 11 1963

STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater by present owner in 1956

Owner Hougardy Ranch Co. Address Roundup, Mont.

Contractor (if any) None

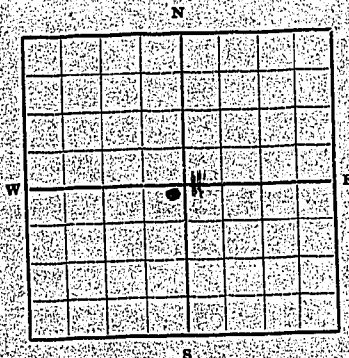
Address of Contractor xxxx

Date Started spring of 1957 Date Completed same spring

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

cement curb with overflow pipe in 1957.

Depth to water about three feet.



NE 1/4 Sec. 25 T. 7. R. 24.

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

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

full three-quarter inch pipe the year around

Signature of Owner Hougardy Ranch Co.

Date Nov. 23, 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 School of Mines and Quadruplicate for the Appropriator.

169107

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 10 DAY OF

Dec A. D. 1963

AT 2:35 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Frances L. Dawson
DEPUTY

2. 44

File No. STATE WATER CONSERVATION BOARD

T. 7 N. R. 24 E

DUPLICATE

SEP 2 1966

County. Musselshell

LOG Bill _____ State of Montana
 Bottom _____ ADMINISTRATOR OF GROUNDWATER CODE
 Core _____ OFFICE OF STATE ENGINEER
 Description _____
 Dickert _____

Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1963

(Under Chapter 237, Montana Session Laws, 1961)

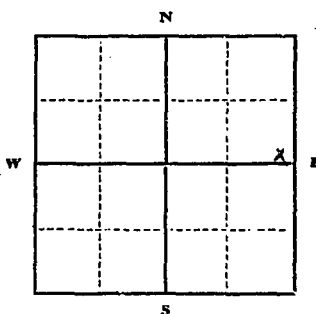
Owner E-E Ranch Address Road 1/2 mile NDriller Harry McConnell Address Road 1/2 mile N

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

Date well started July 25, 1966 Date completed July 27, 1966Type of well Drilled Equipment used Churn drill
(Dug, Driven, Bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" 13#	0	40	1/2" slots	25	35
			36			
			74 ft			

Static Water Level for non-flowing well 16' feet.

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

Pumping Water Level 18' feet
at 50 gal. per minute.

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

How Tested bailey + pumpLength of Test 2 hrRemarks: (Gravel packing, cementing, packers, type of shutoff) CasingCemented bond to
2 ft

SE Cor NE 1/4 Sec. 27 T. 7 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).

linestock

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

Harry McConnell

41,360

174423

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 15th DAY OF
September A. D. 1966
AT 12:09 O'CLOCK P.M.

CLAUDE F. FLETCHER

COUNTY RECORDER

Clair J. [Signature]
DEPUTY

2.00

Form No. 18
8-60

T. 7 N R. 24 E

County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

Water Well Log

STATE ENGINEER

Owner Jack Stewart Address Reynolds

Driller W. H. Schnell Address deceased

Date Started 1st 1940 Date Completed 1940

Location: Sec. 27 T. 7 N R. 24 E $\frac{1}{4}$ sec. N⁶ W

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 10.5 ft. Type galv Size 6" O.D.

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

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

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

Type of screen or perforations slot

Static water level, for non-flowing well: 40 ft from top feet.

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

Pumping water level 300 feet at 3 1/2 gal. per min.

How tested: galv

Length of test 30 min

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

(over)

Log of Well

[illegible]

RECEIVED
OCT 7 1957

T. 7 R. 24
County Musselshell

28

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Fred Scheriff Address Ramoth

Driller Gordon Scamman Address Ramoth

Date Started Aug 26 1957 Date Completed Aug 31 1957

Location: Sec 28 T. 7 R. 24 1/4 sec. NE 1/4

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

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

Casing: +1 ft. to 155 ft. Type steel Size 6"

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 slots

Static Water level, for non-flowing well: 30 ft. from top of ground feet.

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

Pumping water level 130 feet at 3 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

Depth, feet		Description of Material Drilled
From	To	
0	3	top soil
3	9	sandstone hard
9	20	shale grey med
20	24	sandstone grey hard
24	42	shale grey hard med
42	43	sandstone grey hard
43	60	sandstone grey med (water)
60	68	shale grey med.
68	73	sandstone grey hard
73	81	shale green
81	84	shale coal dark grey
84	92	shale very sandy light grey
92	100	sandstone light grey (water)
100	116	shale sandy light grey
116	119	sandstone very hard
119	132	sandstone med light grey (water)
132	140	shale light grey
140	143	sandstone light grey
143	155	shale dark grey
155		Total depth

GW3

File No.....

DUPLICATE

T. 44 N. 24 E.

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 11 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater by ~~present~~ owner 1956

Owner Hougardy Ranch Co. Address Roundup, Mont.

Contractor (if any) None

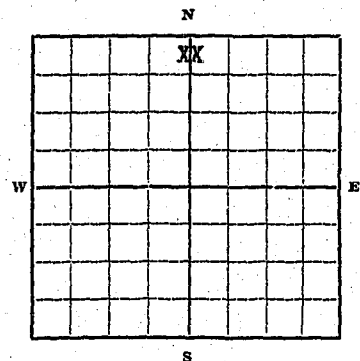
Address of Contractor None

Date Started spring 1957 Date Completed same spring

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

logs and steel - 3 ft. X 24 ft., about

24 inches



1/4 Sec. 1 T. 24 R. 44

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

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

Approximately 700 gal. per day

Signature of Owner Hougardy Ranch Co.

Date Nov. 23, 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 School of Mines and Quadruplicate for the Appropriator.

GW3

File No.

DUPLICATE

T. ~~14~~ 7 R. 24 N. E.

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 11 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater by present owner 1956

Owner Hougardy Ranch Co. Address Roundup, Mont.

Contractor (if any) None

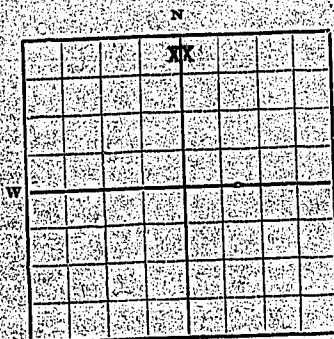
Address of Contractor None

Date Started spring 1957 Date Completed same spring

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

logs and concrete - 3 ft. X 24 ft., about

24 inches deep



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

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

Approximately 700 gal. per day

Signature of Owner Hougardy Ranch Co.

Date Nov. 23, 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 School of Mines and Quadruplicate for the Appropriator.

169169

STATE OF MONTANA, {ss.
MUSSELSHELL COUNTY. }

FILED THIS 10 DAY OF

dec A. D. 1963

AT 2:39 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Francis L. Dawson

DEPUTY

2ms

GROUNDWATER INDEX

Page / of

County Muskegon Twp. 7N Rge. 25E

[illegible]

File No.

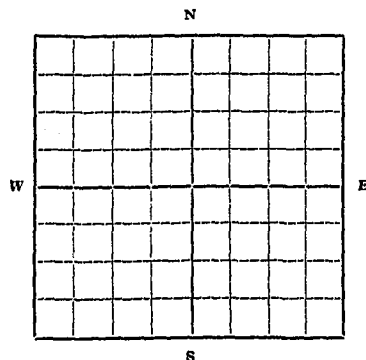
DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T 78 R 25
County MusselshellRECEIVED
OCT 2 1963

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

1. Paul Mayo, of Klein St Rt 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. 1 T. 7 R. 25

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

2. The beneficial use on which the claim is based Home & stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 May
Steady
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Seven gallon Per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre garden NW 1/4 NW 1/4
Sec 1 T 7 R 25
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electrical Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 1 1950 May 15 1950
8. The depth of water table
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch hole 150 feet deep
10. The estimated amount of groundwater withdrawn each year 91,250 gallons
11. The log of formations encountered in the drilling of each well if available Unavailable
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

Paul MayoDate 8-16-1963

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.

6151.

168649

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY. }

FILED THIS 1 DAY OF

October A. D. 1963

AT 4:52 O'CLOCK P.M.

B. H. MATZKE

COUNTY RECORDER

Frances L. Dawson
DEPUTY

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42199

File No.

T. 7 R. 25

DUPLICATE

County. Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 26 1963

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

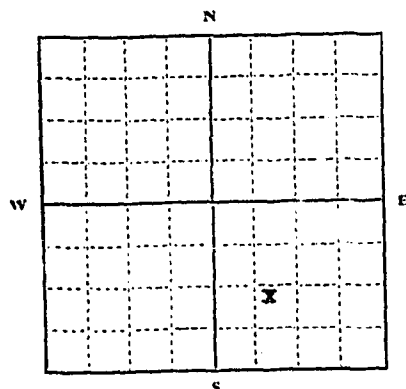
Date of Appropriation of Groundwater. About 1900
Owner. Fred W. Buckey Address. Goulding Creek Route,
Roundup, Montana

Contractor (if any) None

Address of Contractor None

Date Started. 1900 Date Completed. 1900

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Gravity flow - depth of
water approximately 2 feet.



SW 1/4 SE 1/4 Sec. 1 T. 7 R. 25

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

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

estimate approximate lengths of periods of use. Water from
source is used for irrigation purposes during
summer months and for watering from 50 to 100
head of cattle the year round

Signature of Owner. Fred W. Buckey

Date. December 20, 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.

12370

169322

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 23 DAY OF
Dec A. D. 1963
AT 3:00 O'CLOCK P M.

B. H. MATZKE

COUNTY RECORDER

Elaine J. Gossman
DEPUTY
#2.12

RECORDED

7N 25E
County Musselshell 2

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 MARY J. BAILEY

Address Goulding Crk Rte

Roundup, Montana

Date well started Un Known

completed Wm. Knaus

Type of well .. Unbored ..

(Dug, driven, bored or drilled)

Equipment used Zink

.....
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

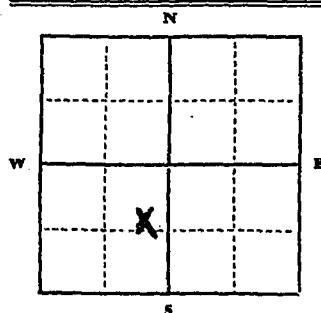
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

***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)
	4"	Unknown		Unknown		



Static water level40.....ft.*
Pumping water level 52.....ft.*
at5.....gallons per minute,
measuredminutes after pumping
began.

*Measured from ground level.

Well developed by ~~Enderson~~
forhours.

Power.. ~~Electric~~ Pump... 1/2 HP

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

SW $\frac{1}{4}$ $\frac{1}{4}$ Sec. 2
T. 7 N R. 25
S

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

OWNERS

~~Owner's~~ Signature Mary J. Bailey

Driller's Address

LICENSE NO. 44000K 90 Show exact depth of bottom

50,281

183592

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY, }

FILED THIS 27th DAY OF

April A. D. 1922
AT 1:40 O'CLOCK P.M.

CLAUDE F. FLETCHER

COUNTY RECORDER

Lucille Stevens

DEPUTY

20

Department of Natural Resources and Conservation
Water Resources Division
Engineering Bureau
Groundwater Section
Sam W. Mitchell Building
Helena, Montana 59601

RECEIVED

JUL 28 1977

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

Owner Mary J. Bailey
Address Goulding Crk Rt., Rol. Sup
Location T. 7N R. 25E Sec. 2
Doc. No. 183592

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

Please provide, as indicated in red on the attached form, the lacking information.

If exact dates and figures are unknown, estimate as close as possible.

Thank you.

Am unable to locate the driller who did the actual drilling of this well. Have estimated dates as near as possible.

Equipment used 1 1/2" Cable Tool

(Chain drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

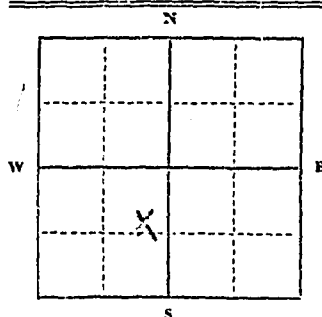
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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)
	4" light-weight	Unknown		Unknown		



Section 5 T. 7 N. R. 25 E. Sec. 2

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

Driller's Signature Mary J. Bailey

Driller's Address

LICENSE NO.

Approx 90' Show exact depth of bottom

50,231

RECEIVED

JUL 28 1962

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.

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)
40	52

Owner Clayton J. Bailey

Address Goulding Oak Rte.

Roundup, Montana

Date well started 1920

completed 1920

For Administrator's Use

File 183592, April 22, 1962

1:40 p.m.

GW 1

Type of well Drilled

(Dig, driven, bored or drilled)

Equipment used Cable tool

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

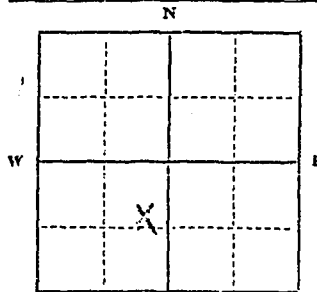
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☒

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS	
				Kind Size	From (Feet) To (Feet)
	4" light-weight	Unknown		Unknown	



Sub 14 1/4 Sec. 2
T. 7 N R. 2 E
S W

Static water level 40 ft.*
Pumping water level 52 ft.*
at 5 gallons per minute,
measured 5 minutes after pumping began.

*Measured from ground level.
Well developed by 1 hours.

Power 1/2 Pump 1/2
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Mary J. Bailey

Driller's Address

LICENSE NO. Approx 90 Show exact depth of bottom

50,231

RECEIVED

JUL 28 1972

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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.

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)
40	52

Owner Mary J. Bailey

Address Goulding Creek Rte.

Roundup, Montana

Date well started Approx. 1920

completed 1930

For Administrator's Use
File <u>183.592, April 22, 1972</u>
<u>1:40 p.m.</u>
GW 1

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Cable tool

(Cable drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

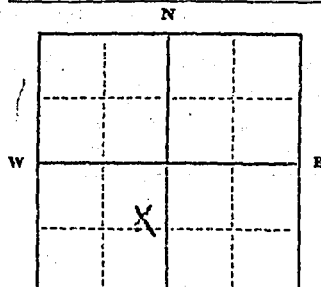
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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)
	4" light-weight	Unknown		Unknown		



Static water level 40 ft.*
Pumping water level 52 ft.*
at 5 gallons per minute,
measured 5 minutes after pumping began.

*Measured from ground level.
Well developed by 1 hour.
Power 3 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

SW 1/4 1/4 Sec. 2
T. 7 N. R. 20 E.
S. W.

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

OWNER'S Signature Mary J. Bailey

Driller's Address

LICENSE

Approx 90' Show exact depth of bottom

50,231

File No.....

T. 7N R. 25E

DUPLICATE

County... Musselshell

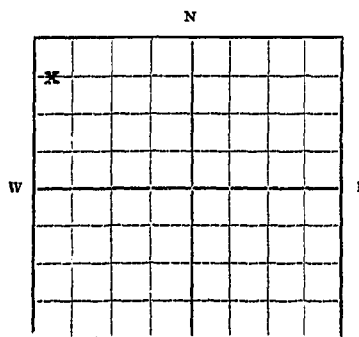
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 28 1963

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

STATE ENGINEER

1. Harry Allen of KS Rte. 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:



Lot 16, Block 2, Town of
Farrell according to plat on file
NW 1/4 Sec. 2 T. 7N 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 Household use and lawn and garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been from 1928 food water supply
4. The amount of groundwater claimed (in miner's inches or gallons per minute) about 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 only lawn and garden
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1928
8. The depth of water table Well is 72 feet deep
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater none
10. The estimated amount of groundwater withdrawn each year 30,000
11. The log of formations encountered in the drilling of each well if available Don't know
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 Harry Allen

Date Aug 26 - 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.

168481

STATE OF MONTANA,
MUSSELSHELL COUNTY, ^{1st}

FILED THIS 27 DAY OF

Aug A. D. 1965

AT 9:25 O'CLOCK P. M.

[Signature]
COUNTY RECORDER

DEPUTY

File No.

STATE WATER COMMISSION BOARD

T. R.

DUPLICATE

OCT 13 1966

County Musselshell

LOG

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)

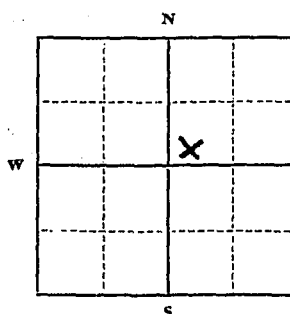
Owner Harold Eliasson Address Roundup Mont.Driller Harvey McConnell Address Roundup Mont.

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

Date well started Sept 12, 1966 Date completed Sept 15, 1966Type 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)
7"	5" I.D. 15# per ft	0	80	1/4" Slots	60	72

Static Water Level for non-flowing well 30 feet.

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

Pumping Water Level 70 feet
at 25 gal. per minute.

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

How Tested beakerLength of Test 2 hrRemarks: (Gravel packing, cementing, packers, type of shutoff) none

87N 2E Sec. 3 T. 7 R. 25
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).

livestock

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 43Driller's Signature Harvey McConnell

41526

174614

STATE OF MONTANA,
MUSKELSHELL COUNTY, ss.

FILED THIS 17 DAY OF

October A.D. 1966

AT 10.00 O'CLOCK 9 M.

Claude L. Hatcher
COUNTY RECORDER

DEPUTY

\$900

File No. _____

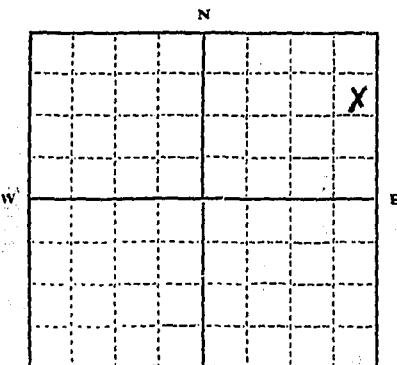
DUPLICATE

T. 7N R. 25E
County MusselshellSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
JAN 8 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Frank J. Machler, Jr. of 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 25E

1/4 Sec. 3 T. 7 R. 25

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. Stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1880
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 15 gal/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. series of natural springs
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Natural springs
8. The depth of water table. surface
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. series of natural springs
10. The estimated amount of groundwater withdrawn each year. 7,884,000 gal.
11. The log of formations encountered in the drilling of each well if available. None
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

Signature of Owner

Frank J. Machler, Jr.
 Date Dec 31, 1963

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

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

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

20523