GROUNDWATER INDEX

County Musselshell Twp. 9N Rge. 23E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
3	Daugherty, E.D.	GW4	169690	
5	" "	GW4	169700	
5	Lake Mason Grazing Co.	GW2	181276	
6	Daugherty, E.D.	GW4	169686	
8	" "	GW4	169701	
10	" "	GW4	169693	
17	Rathe Ranch	GW4	166333	
21	Occidental Pet. Corp.	GW2	170415	
21	Raths, George P	GW2	180157	
21	" "	GW2	181158	
24	Lake Mason Grazing Co	GW2	181078	
26	Daugherty, E.D.	GW4	169702	
31	U.S. Bureau of Land Management	GW4	169503	
32	Stark, J.A.	GW4	169667	
32	" "	GW2	175990	
32	" "	GW4	169666	
33	Harmon, Vern	57L06		
35	Rathe Ranch	GW4	166332	

GW 4

3

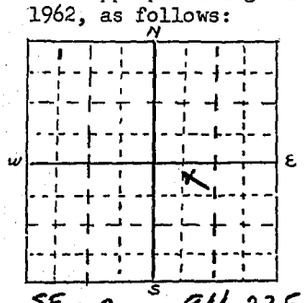
T. 9N R. 23 E
County MUSSELSHELL

State of Montana
Administrator of groundwater Code
Office of State Engineer

JAN 3 1964
STATE ENGINEER

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

1. E. D. DAUGHERTY, 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 ¼ 3 Sec. 9N T. 23E R

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

2. The beneficial use on which the clain is based
STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1948 CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 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 - FLOWS ½ GAL MIN

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water 1948

8. The depth of water table 400 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwal of groundwater
6 IN CASING (1½ IN PIPE) 2 IN CYLINDER
40 - FT 400 FT

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 The estimated amount of groundwater withdrawn each year 10,000 GAL

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

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

Signature of Owner E. D. Daugherty
Date Dec. 31, 1963

20535

169690

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 31 DAY OF
December A. D. 19 63
AT 1:50 O'CLOCK P. M.

MABEL MATZKE
COUNTY RECORDER

Frances L Dawson
DEPUTY

2.00

5

GW 4

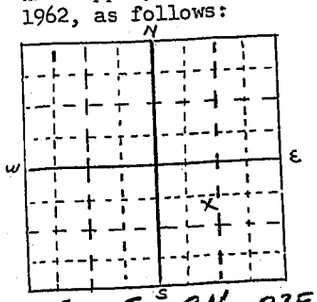
9N 23E
T. ... R.
County MUSSELSHELL

RECEIVED
JAN 3 1964
STATE ENGINEER

State of Montana
Administrator of groundwater Code
Office of State Engineer

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

1. E. D. DAUGHERTY, 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 ¼ S Sec 9N T 23E R

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930 APPROX CONTINUOUS

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water 1930 APPROX

8. The depth of water table 30 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwat of groundwater 6 IN CASING 1 IN PIPE 2 IN CYLINDER 30 FT DEEP

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

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

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

Signature of Owner [signature]

Date 1-3

20544

169700

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 31 DAY OF
December A. D. 1963
AT 2:30 O'CLOCK P. M.

E. H. MATZKE
COUNTY RECORDER

Frances L. Dawson
DEPUTY

2.00

9N 23E 5

County Musselshell

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA WATER RESOURCES BOARD
RECEIVED
NOV 24 1970

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 Lake Madon Grazing Assoc

Address Roundup, Montana

For Administrator's Use
File 181276 November 23, 1970 1:45 P.M.
GW 1

Date well started 9/29/70

completed 10/4/70

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

Equipment used churn (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

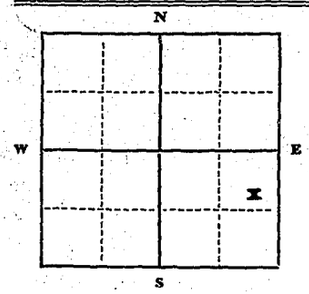
*Describe

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"	8" D 19#	0	10			

due to firm walls on well there was no other casing used



n.e ¼ se ¼ Sec 5

T. 9 N/S R. 23 E/W

Static water level 66 ft.*

Pumping water level 72 ft.*

at 7 gallons per minute,

measured minutes after pumping began.

*Measured from ground level.

Well developed by bailing

for one hours.

Power Pump HP

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

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

Driller's Signature Joe Hamtol

Driller's Address Box 898 Roundup, Montana 95

LICENSE NO. 95

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	64	yellow brown sand
64	102	grey sandy shale
102	103	coal
		water 74 to 90 feet
103	106	grey sandy shale
		106 feet bottom
106		

106 Show exact depth of bottom

47801

181276

STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 23rd DAY OF
November A.D. 19 70
AT 1:45 O'CLOCK P M.

CLAUDE F. FLETCHER
COUNTY RECORDER

Thelma Stevens
DEPUTY

2.00

GW 4

T. 9N R. 23 E
County MUSSELSHELL

State of Montana
Administrator of groundwater Code
Office of State Engineer

RECEIVED
JAN 3 1964
STATE ENGINEER

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

E. D. DAUGHERTY, 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. 6 Sec. 9N T. 23E R

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

2. The beneficial use on which the clain is based
STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920 APPROX CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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
WIND MILL

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water 1920 APPROX

8. The depth of water table 40 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwal of groundwater
6 IN CASING 1 1/4 IN PIPE 2 IN CYLINDER
40 FT DEEP

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

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

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

Signature of Owner E. D. Daugherty
Date Dec 31, 1963

20531

169686

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 21 DAY OF
December A. D. 19 63
AT 1:35 O'CLOCK P M.

B. H. MATZKE
COUNTY RECORDER

Frances L. Dawson
DEPUTY

2.00

8

GW 4

T. 9N R. 23E
County MUSSELSHELL

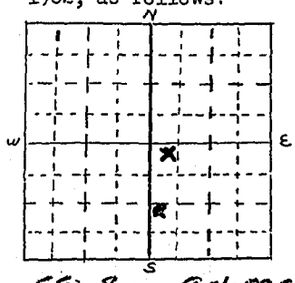
JAN 3 1964

STATE ENGINEER

State of Montana
Administrator of groundwater Code
Office of State Engineer

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

1. E. D. DAUGHERTY, 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:



SE¼ 8 Sec. 9N T 23E R

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

2. The beneficial use on which the clain is based
STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 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
WIND MILL

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water 1950

8. The depth of water table 80 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwal of groundwater
6 IN CASING 1½ IN PIPE, 2 IN CYLINDER

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

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

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

Signature of Owner E. D. Daugherty

Date Dec. 31, 1963

20545

169701

STATE OF MONTANA,
MUSSELSHELL COUNTY } SS.

FILED THIS 21 DAY OF
December A. D. 19 63
AT 2:22 O'CLOCK P M.
JOSEPH MATZKE
COUNTY RECORDER
Frances L Dawson
DEPUTY
2.00

GW 4

10

9N 23E

T.....R.....
County.....

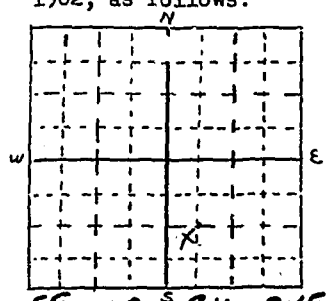
RECEIVED
JAN 3 1964
STATE ENGINEER

State of Montana
Administrator of groundwater Code
Office of State Engineer

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

1. E. D. DAUGHERTY, 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 ¼ 10 Sec. 9N T. 24E R.

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1945 CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 GPM 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
WIND MILL

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

8. The depth of water table 400 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
6 IN CASING 4 IN CYLINDER 400 FT DEEP

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

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

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

Signature of Owner E D Daugherty

Date Jan 31, 1963

20538

169693

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 31 DAY OF
December A. D. 19 63
AT 2:02 O'CLOCK P M.
B. H. MATZKE
COUNTY RECORDER
Frances L Dawson
DEPUTY

G1

Approved Stock Form—State Publishing Co., Helena, Montana—38496

17

File No.....

T. 9 N. R. 23 E

DUPLICATE

County Musselshell

Art

Wrawing

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

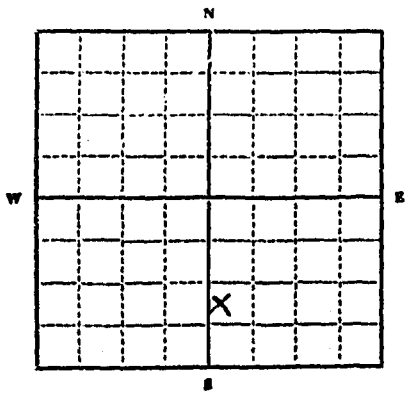
RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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:



SW ¼ SE Sec. 12 T. 9 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
Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Summer 55

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
none

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Aug 16 – Dec 11 1954

8. The depth of water table artesian 470

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 1/2 steel casing cemented 510 water controled by float in tank also shut off valve

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

11. The log of formations encountered in the drilling of each well if available 1-80 gray shale, 80-100 Sandy gray shale salt water, 100-200-200-310 gray shale 360-425 gray shale bentonite streaks, 425-442 sandy shale, 442-455 Hard sand rock, 455-470 gray sandy shale 470-510 sandstone water bearing, 510-615 gray sandy shale, 615-618 Sand Stone water bearing

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
Water from Eagle sands

Signature of Owner [illegible]

Date 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.

658

166333

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 15 DAY OF
May A. D. 1962
AT 3:53 O'CLOCK P M.

B. H. MATZKE
COUNTY RECORDER

Elsie J. Grossman
DEPUTY

$2.00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—40472

File No.....

DUPLICATE

T. 9N R. 23E

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 2 4 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

grey shale
set 465 ft
5½ casing
with 85 sacks

465

grey sandstone
med to fine grained
some thin strikes
of shale

630

Owner Occidental Pet. Corp. Address Denver Colo

Driller Gordon Scamme Address Roundup Mont

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

Date well started Feb. 17 Date Completed Mar 5 1964

Type of well Drilled (dug, driven, bored or drilled) Equipment Used Cable tool (Churn, drill, rotary or 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)
7⅞	5½" 15#	0	465	none		

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

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

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

Discharge in gal. per min. of flowing well 14 gal per min

How Tested measured Length of Test.....

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) Casing cemented by Halliburton

N
W E
S

.....¼..... Sec. 11 Tp. 9N Rge. 23E

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.
630 ft ID

No. 54
Driller's License Number

Gordon Scamme
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.

35508

170415

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 23 DAY OF
March A. D. 19 64
AT 10:55 O'CLOCK a M.

B. H. MATZKE
COUNTY RECORDER

Elaine J. Grossman
DEPUTY

2.00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—456-3

File No.....

T. 9 R. 23 21

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
FEB 13 1970

County Musselshell

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 George P. Raths Address Roundup, Montana

Driller Gordon Scammon Address Roundup, Montana

Date of Notice of appropriation of groundwater January 23, 1970.

Date well started ..... Date completed March 5, 1964.

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

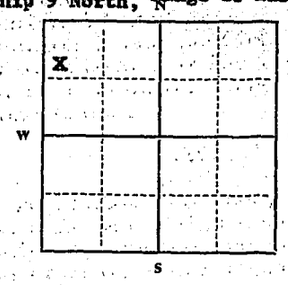
Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒ Industrial ☐ Drainage ☐ Other ☐

No. 180157
Filed for record this 11 day of February A. D. 19 70, at 3:05 o'clock P.M.

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)
750 feet deep Approximately						

This Notice of Ground Water Appropriation by means of a well refers to the same well, which is an artesian well, and which is filed with the Clerk and Recorder of Musselshell County, Montana, being miscellaneous file no. 8635, which Notice was signed by Gordon Scammon, the driller. The undersigned, as owner of the land, makes and files this Notice of Appropriation of said waters as the owner of the land in said Section 21, Township 9 North, Range 23 East and that he claims the water from said well for irrigation, stock and domestic use.



NW1/4NW1/4 ¼ Sec. 21 T. 9 R. 23

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

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

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

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

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

How Tested .....

Length of Test .....

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

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition). For irrigation and stock water in Sec. 21, Township 9 North, Range 23 East, and Sections 1 and 2 in Township 8 North, Range 23 East, M.P.M. The irrigated land is in Section 1 and Section 12, Township 8, Range 23.

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 Signature~~

George P. Raths
~~Driller's Signature~~ Owner's signature

180157

STATE OF MONTANA,
MUSSELSHELL COUNTY } ss.

FILED THIS 11 DAY OF
February A. D. 19 70
AT 3:05 O'CLOCK P M.
Claude L. Fletcher
COUNTY RECORDER
$ 2.00
DEPUTY

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—456

File No.....

T. 9 R. 23

21

DUPLICATE

County Musselshell

MONTANA WATER RESOURCES BOARD
RECEIVED
FEB 13 1970

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 George P. Raths Address Roundup, Montana

Driller..... Address.....

Date of Notice of appropriation of groundwater January 23, 1970.

Date well started..... Date completed January 1964.

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

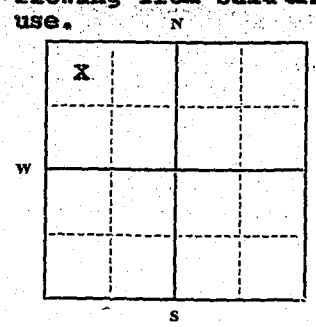
Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒ Industrial ☐ Drainage ☐ Other ☐

Doc. No. 180158
Filed for record
this 11 day of February
A. D. 19 70, at 3:10
o'clock P M.

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)

This well was drilled as an oil well and has been filed with the Oil and Gas Commission and water pumped out, together with the oil, and approximately 4,000 gallons of water is pumped out an hour when the oil well pump is in operation. This well is approximately 3,800 feet deep. The undersigned, as owner of the land, claims the water ~~flowing from said oil well for irrigation and stock~~ water use.



NW1/4NW1/4
~~1/4~~ Sec 21 T. 9 R. 23
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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

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

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

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

How Tested.....

Length of Test.....

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

.....(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition). Owner claims the water from said well for stock water use and for irrigation of land in Section 1 and 12, Township 8 North, Range 23 East, M.P.M. The water from said well flows down a dry coulee in Sec. 21 into Pole Creek in Sec. 22 thence in a southerly direction to Sec. 1 and 12, Township 8, Range 23.

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 Signature~~

George P. Raths
~~Driller's Signature~~
Owner's signature

46168

10

File No. 180158

(Size above line for Clerk's use)

STATE OF MONTANA, } ss.
MUSSELSHELL COUNTY.

FILED THIS 17 DAY OF
February A. D. 18 70
AT 3:00 O'CLOCK P. M.
Charles E. Fletcher
COUNTY RECORDER
$2.00

Deputy

9N63E 24

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 2 1970

County M Musselshell

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 Lake Mason Grazing Assn.

Address Roundup, Montana

For Administrator's Use
File 181078
October 1, 1970
3:45 P.M.
GW 1

Date well started 8-22-70

completed 9-15-70

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

Equipment used churn
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

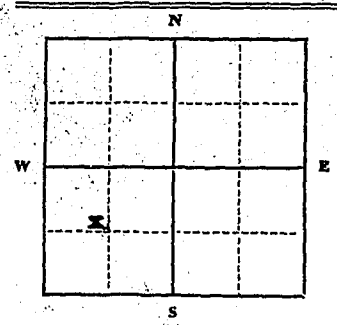
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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)
7in. 62	6 in 17#	0	139			
6"		139	192			



center sw ¼ ¼ Sec 24
T. 9 N R. 23 E
S W

Static water level 90 ft.*
Pumping water level 170 ft.*
at 7 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by bailing
for one hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)
Casing cemented that 139 ft; (bad water above)

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

Driller's Signature Joe Hombal

Driller's Address Box 898 Roundup, Mont

LICENSE NO. 95

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	8	gravel
8	52	yellowish brown clay
52	87	Grey sandy shale
		static water level 90 ft.
87	104	brown shale (water at 100 ft.) 1g.p
104	105	Bentinite
105	127	hard sandy shale
127	135	hard cap rock (water 1 g.p.m.)
135	153	hard grey sand rock (water 1 g.p.m.
153	187	sandy shale
187	188	hard grey sand rock
188	190	coal water 6 g.p. m.
190	192	grey sand

192 Show exact depth of bottom

47581

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 14th DAY OF
Dec A.D. 19 70
AT 3:45 O'CLOCK P. M.

GAUDE F. FLETCHER
COUNTY RECORDER.
Ruse Dee
DEPUTY

181078

Lake Mason Grant & Assoc.

Roundup, Montana

8m- 22-70

9-15- 70

drilled

shurn

☐ Municipal ☐ Stock ☒ Irrigation ☐

☐ Industrial ☐ Drainage ☐ Other ☐ Sanitary Lawn ☐

0	8	gravel
8	52	yellowish brown clay
52 & 87		Grey sandy shale static water level 90 ft.
87	104	brown shale (water at 100 ft.) 12 g.p.m
104	105	Bentonite
105	127	hard sandy shale
127	135	hard sap rock (water 1 g.p.m.)
135	153	hard grey sand rock (water 1 g.p.m.
153	187	sandy shale
187	188	hard grey sand rock
188	190	coal water 6 g.p. m.
190	192	grey sand

Musselshell

GW 2 Revised 1969
STATE PUBLISHING COMPANY

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 2 1970

County Musselshell

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: Lake Mason Grazing Assn.

Address: Roundup, Montana

Date well started: 8-22-70

completed: 9-15-70

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

Equipment used: churn (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).

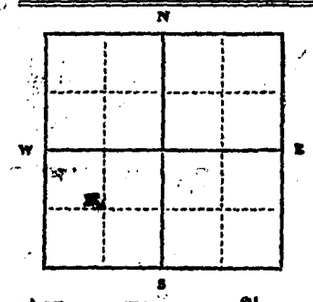
ESTIMATED ANNUAL WITHDRAWAL 200,000 Gal

For Administrator's Use

File 121078 October 1, 1970 2:45 p.m.

GW 1

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7in.	6 in 17#	0	139			
4"						
6"		139	192			



Static water level 90 ft.*

Pumping water level 190 ft.*

at 7 gallons per minute,

measured minutes after pumping began.

*Measured from ground level.

Well developed by bailing

for hours.

Power Pump HP

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

Casing perforated last 139 ft. (bad water above)

center SW ¼ ¼ Sec. 24

T. 9 N/S R. 20 E/W

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

Driller's Signature Joe Hombal

Driller's Address Box 898 Roundup, Mont

LICENSE NO. 95

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	8	gravel
8	52	yellowish brown clay
52	87	Grey sandy shale
		Static water level 90 ft.
87	104	brown shale
		(water at 100 ft.) 1 g.p.
104	105	Bentinite
105	127	hard sandy shale
127	135	hard sap rock
		(water 1 g.p.m.)
135	153	hard grey sand rock
		(water ½ g.p.m.
153	187	sandy shale
187	188	hard grey sand rock
188	190	coal
		water 6 g.p.m.
190	192	grey sand

192 Show exact depth of bottom

41581

26

GW 4

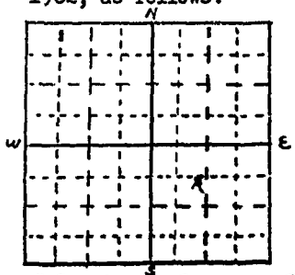
T. 9N R. 23E
County MUSSELSHELL

State of Montana
Administrator of groundwater Code
Office of State Engineer

RECEIVED
JAN 3 1964
GROUNDWATER

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

1. E. D. DAUGHERTY, 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 ¼ 26 Sec. 9N T. 23E R

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1962 - CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 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
GRAVITY - SPRING

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water 1962

8. The depth of water table 5 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 groundwal of groundwater
SPRING PIPED 150 FT TO TANK

10. The estimated amount of groundwater withdrawn each year 5000 GAL

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

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

Signature of Owner E. D. Daugherty
Date Dec 31, 1963

20546

169702

STATE OF MONTANA, SS.
MUSSELSHELL COUNTY

FILED THIS 31 DAY OF
A.D. 19 63
Atlas
3:34 P.M.

Francis L Dawson
RECORDER
DEPUTY

2.00

C —Helena Independent Record

31

File No.....

T. 9N R. 23 E

DUPLICATE

County Musselshell

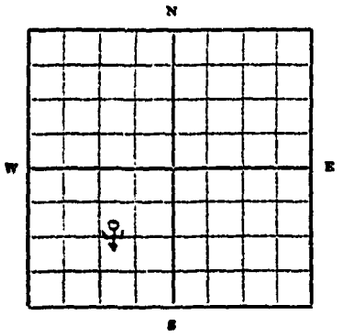
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Bureau of Land Management (Name of Appropriator), of Drawer 699 (Address) Lewistown (Town)
County of Fergus State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE SW¼ Sec. 31 T. 9N R. 23E

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 for livestock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1936 to present

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Gravity flow to rock catch basin

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

8. The depth of water table Surface flow

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Gravity flow to rock catch basin - water from catch basin piped to stock reservoir

10. The estimated amount of groundwater withdrawn each year 500,000 gallons

11. The log of formations encountered in the drilling of each well if available Flow from terrace Gravels Surface elevation approximately 3850'

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 Lewis M. Colton
District Manager
Date December 12, 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.

17753

169503

STATE OF MONTANA, }ss.
MUSSELSHELL COUNTY.

FILED THIS 30 DAY OF
Dec A. D. 19 63
AT 12:20 O'CLOCK P M.

B. H. MATZKE
COUNTY RECORDER

Frances L. Dawson
DEPUTY

2.00

1—Helena Independent Record

File No.....

T. 9 N R. 23 E. 32

DUPLICATE

County.....

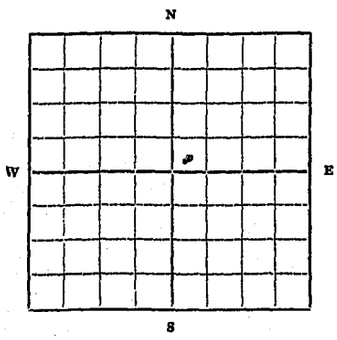
RECEIVED JAN 3 1964 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. J. A. Stark (Name of Appropriator), of ..... (Address) Roundup (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/4 of NE/4 Sec. 32 T. 9 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 May 1950 - Used almost constantly since

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started March 1950 Completed in April 1950.

8. The depth of water table 95 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 well, 4 in. galvanized casing, 1 1/4 in well pipe, 2 1/2 in cylinder

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

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 J. A. Stark

Date Dec 30, 1963

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

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

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

20513

169667

STATE OF MONTANA, }ss.
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF
December A. D. 19 63
AT 12:40 O'CLOCK P M.

E. H. MATZKE
COUNTY RECORDER

Frances L. Dawson
DEPUTY

2.00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—42329

File No.....

T. 9 R. 23 32

TRIPLICATE

County MUSSL

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)

Top of Ground

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

2 SURFACE SOIL
12 HARD SANDROCK
29 YELLOW BROWN SAND
31 YELLOW CLAY
55 GREY SHALE
58 SAND ROCK
72 SHALE
75 SAND ROCK
84 HARD SHALE
95 GREY SAND
103 SHALE (DARK)
114 LIGHT COLOR SHALE
130 SANDY SHALE
139 GREY SAND (WATER) 1½ G.P.M.
148 SHALE WITH STREAKS COAL
152 SAND ROCK
157 SHALE
163 SAND ROCK
168 SHALE
169 COAL
167 SHALE
169 SAND ROCK
179 SHALE
183 GREY SAND (WATER) 1 G.P.M.
197 SHALE
BOTTOM

Owner DEL STARK Address ROUNDUP, MONT

Driller JOE KOMBOL Address ROUNDUP, MONT

Date of Notice of appropriation of groundwater NO NE

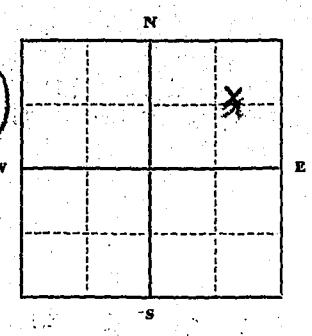
Date well started 8-18-67 Date completed 9-1-67

Type of well DRILLED (Dug, Driven, bored or drilled) Equipment used CHURN (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	197	1/4" x 6" SLOTS	120	197
	8" I.D. 1/4" WALL	0	8'			



Static Water Level for non-flowing well 93 feet.

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

Pumping Water Level 185 feet

at 2½ gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BAILER

Length of Test 2 HR.

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

8" CASING DRIVE IN SAND ROCK

NE¼NE Sec. 32 T. 9 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.

95

Driller's License Number

Joe Kombol

Driller's Signature

42,323

175996

STATE OF MONTANA, }ss.
MUSSELSHELL COUNTY.}

FILED THIS 19 DAY OF
September A.D. 19 67
AT 4:45 O'CLOCK P.M.

CLAUDE F. FLETCHER
COUNTY RECORDER

Claire J. Freeman
DEPUTY

$2.00

4—Helena Independent Record

File No.....

DUPLICATE

T. 9 N R. 23 E. 32

County Musselshell

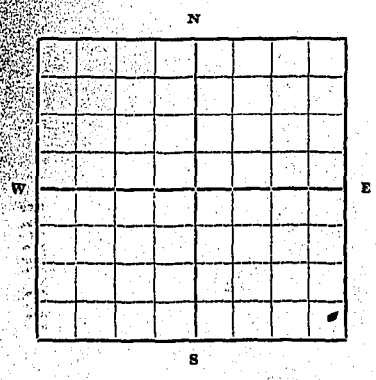
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED JAN 3 1964 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



SE¼ of SE¼ Sec. 32 T. 9 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: June 1961. Used when the pasture is in use each year.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 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: Not applicable

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Started in Feb. 1961 Completed in March 1961

8. The depth of water table: 225 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 in Casing, 1¼ in pipe

10. The estimated amount of groundwater withdrawn each year:

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: J. A. Stark

Date: Dec 30, 1963

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

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

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

20512

169666

STATE OF MONTANA, }
MUSSELSHELL COUNTY. } ss.

FILED THIS 31 DAY OF
December A. D. 19 63
AT 12:37 O'CLOCK M.

E. H. MATZKE
COUNTY RECORDER

Frances L. Dawson
DEPUTY

2.00

53

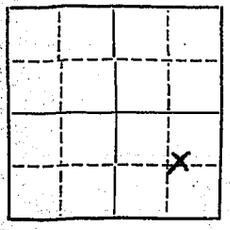
T. 9 R. 23

County MUSSELSHELL

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
FEB 21 1961
STATE ENGINEER

WATER WELL LOG



Owner VERN HARMON Address LAVANIA, MONT

Driller JOE KOMBOL Address BOX 898 ROUNDUP, MONT

Date Started 2-9-61 Date Completed 2-10-61

Location: Sec. 33 T. 9 R. 23 ¼ sec. CENTER OF SE ¼

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 65 ft. Type GALVANIZED Size 6"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 53½ to ft. 65 Ft. to ft.

Type of screen or perforations FACTORY PERFORATED

Static Water level, for non-flowing well: 30' FROM TOP feet.

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

Pumping water level 40' FROM TOP feet at 15 gal. per min.

How tested: BAILER

Length of test 1 HR.

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
0	3	SUR FACE
3	12	YELLOW SAND
12	18	GRAY ROCK
18	28	YELLOW SAND ROCK
28	55	WHITE SAND ROCK
55	60	LIGHT SANDY SHALE + WATER
60	65	BROWN ROCK

G1

Approved Stock Form—State Publishing Co., Helena, Montana—38496

File No.....

T. 9 N. R. 23 E

DUPLICATE

County Musselshell

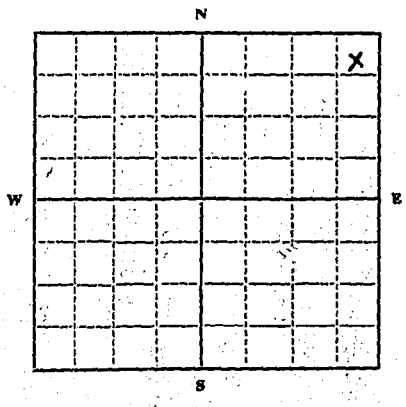
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Raths Ranch (Name of Appropriator), of Box 478 (Address) Roundup (Town)
County of Musselshell State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE¼ NE Sec. 35 T. 9 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 Fall 1951 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 withdrawal of groundwater Sept 20 1951

8. The depth of water table 85

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 casing 150 ft

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 Judith River

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 Ralph Raths George P. Raths

Date 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.

657

166332

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 15 DAY OF
May A. D. 1962
AT 3:51 O'CLOCK P M.

B. H. MATZKE
COUNTY RECORDER

Elaine J. Grossman
DEPUTY

$2.00

GROUNDWATER INDEX

County Musselshell Twp. 9N Rge. 24E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	Stevenson, Nell	GW4	169247	
2	Wacker, Rynold	GW2	185203	
3	Stanley, Lawrence	GW4	169266	
4	Spraglie, Lewis	GW2	174396	
4	Daugherty, E D	GW4	169696	
6	" "	GW4	169698	
8	Lake Mason Grazing	GW2	182363	
11	Stanley, Lawrence	GW4	169279	
11	" "	GW4	169280	
11	" "	GW4	169269	
12	" "	GW4	169275	
13	" "	GW4	169274	
14	" "	GW4	169270	
17	Daugherty, E. D.	GW4	169697	
18	" "	GW4	169688	
18	" "	GW4	169689	
20	" "	GW4	169687	
21	" "	GW4	169699	
24	Stanley, Lawrence	GW4	169258	
26	" "	GW4	169271	
31	U.S. Bureau of Land Management	GW2		
35	Stanley, Lawrence	GW4	169272	
36	" "	GW4	169273	

G'

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

File No.....

T. 9 N R. 24 E

DUPLICATE

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

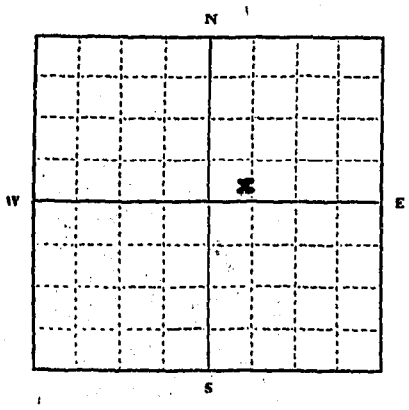
RECEIVED
DEC 23 1968
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mrs. Nell B. Stevenson, 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:



NE 1/4 Sec. 2 T. 9 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 stockwater and limited irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well dug in about the year 1915 and has been used off and on since that time.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) approximately 15 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
fraction, less than 1 acre
Alfred Jerald

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
suction type cylinder & 1¼ inch well pipe

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
1915

8. The depth of water table 30 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
dug 4 ft. diam. X 30 ft. deep.

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

11. The log of formations encountered in the drilling of each well if available
sand and 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 Mrs. Nell B. Stevenson

Date.....

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

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

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

11655

169247

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 20 DAY OF
December A. D. 19 63
AT 12:05 O'CLOCK P M.

B. H. MATZKE
COUNTY RECORDER

Frances L. Dawson
DEPUTY

2.00

9N 24E 2

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
MAR 5 1973
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

County Musselshell

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 Rynold Wacker

Address

Roundup, Montana

Date well started Oct. 24, 1972

completed Oct. 24 1972

For Administrator's Use
File 185203
MARCH 2, 1973
GW 1 1:09 p.m.

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

Equipment used Rotary (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☑ Irrigation ☐

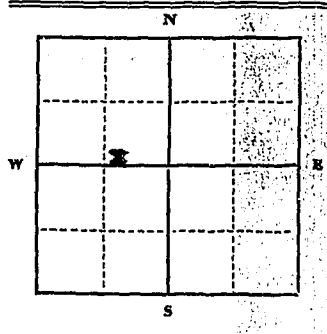
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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)
8"	6" plastic	0	40	slotted	6	38



SW ¼ NE¼ Sec. 2
T. 9 (N) S R. 24 (E) W

Static water level 11 ft.*
Pumping water level 25 ft.*
at 20 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by bailing
for 1 hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature Merle E. Klein

Driller's Address Klein Star Rte.

Roundup, Montana LICENSE NO. 207

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)	
~~[illegible]~~		
0	4	topsoil
4	31	gravel
31	40	blue cla[illegible]

40 Show exact depth of bottom

52,538

185203

STATE OF MONTANA,
MUSSELSHELL COUNTY, } ss.

FILED THIS 3rd DAY OF
March A. D. 1973
AT 1:09 O'CLOCK P M.
CLAUDE F. FLETCHER
COUNTY RECORDER
Lucille Stevens
DEPUTY

GW

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

File No.

T. 9 N R. 24 E

DUPLICATE

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

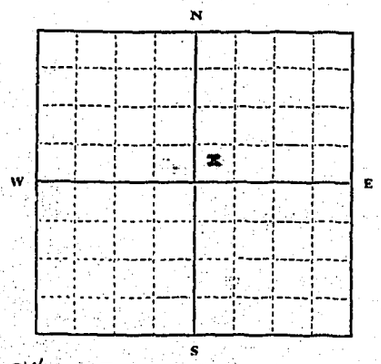
RECEIVED
DEC 23 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Lawrence D. Stanley, of Box 316 Roundup
(Name of Appropriator) (Address) (Town)

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



SW NE
¼ Sec. 3 T. 9 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 continuous the use has been 1920

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 none

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1920

8. The depth of water table 13 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch casing 70 feet deep

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

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

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

Signature of Owner Lawrence D. Stanley
by Frank Holliday Mgr
Date Dec 14 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.

11671

169266

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 20 DAY OF
Dec A. D. 19 63
AT 3:31 O'CLOCK P M.

B. H. MATZKE
COUNTY RECORDER

Elaine J. Gossman
DEPUTY

$2.00

RECEIVED
DEC 23 1963
STATE ENGINEER

GW 2

STATE WATER CONSERVATION BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—42329

4

File No.....

AUG 26 1966

T. 9 R. 24

DUPLICATE

Bille..... McDermott.....
Butzerin..... McNally.....
Ceyle..... Marion.....
Darlinton..... Sullivan.....
Dickert.....

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)

Top of Ground

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

9 STATIC WATER LEVEL

20 SANDY CLAY

34 SANDY GRAVEL

Show exact depth of bottom.

Owner (Lewis) LOUIS SPRAGUE Address ROUNDUP, MONT

Driller JOE KOMBOL Address ROUNDUP, MONT

Date of Notice of appropriation of groundwater NONE

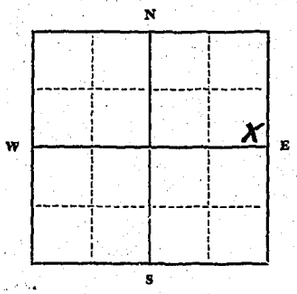
Date well started 8-1-66 Date completed 8-2-66

Type of well DRILLED (Dug, Driven, bored or drilled) Equipment used CHURN (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 3/4	8" I.D. 22 lb 3/16 WALL	0	34	6X4" SLOTS 4 PER ft	17	34



Static Water Level for non-flowing well 9 feet.

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

Pumping Water Level 20 feet at 30 gal. per minute.

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

How Tested BAILER

Length of Test 1 HR

Remarks: (Gravel packing, cementing, packers, type of shutoff) CEMENTED AT 8 ft

SE¼NE Sec. 4 T. 9 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).

25-acres

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.

95

Driller's License Number

Joe Kombol

Driller's Signature

41,335

174396

STATE OF MONTANA,
MUSSELSHELL COUNTY } ss.

FILED THIS 25 DAY OF
August A. D. 19 66
AT 1:25 O'CLOCK P. M.
CLAUDE F. FLETCHER
COUNTY RECORDER
Claire J. Gassman
DEPUTY
$2.00

4

GW 4

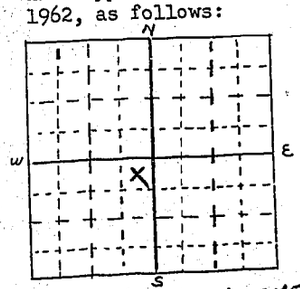
T. 9N R. 24E
County MOSSELSHELL

State of Montana
Administrator of groundwater Code
Office of State Engineer

RECEIVED
JAN 3 1964
STATE ENGINEER

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

1. E. D. DAUGHERTY (Name of Appropriator), of ROUNDUP (Town) (Address) MONTANA State of
County of MOSSELSHELL
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW¼ 4 Sec. 9N T 24E R

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

2. The beneficial use on which the clain is based
STOCK WATER

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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
ELECTRIC MOTOR & JACK

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

8. The depth of water table 30 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwal of groundwater
6 IN CASING 1¼ IN PIPE 2 IN CYLINDER
30 FT DEEP

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

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

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

Signature of Owner E D Daugherty

Date Dec. 31, 1963

20540

169696

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 31 DAY OF
December A. D. 63
AT 2:10 O'CLOCK P M.
[illegible] MARKLE
COUNTY RECORDER
Frances L. Dawson
DEPUTY
2.00

6

GW 4

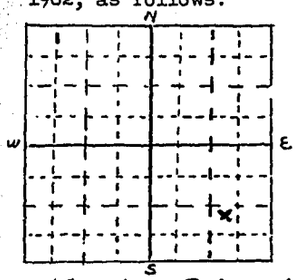
T. 9N R. 24E
County MUSSELSHELL

State of Montana
Administrator of groundwater Code
Office of State Engineer

RECEIVED
JAN 3 1964
ENGINEER

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

1. E. D. DAUGHERTY, 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:



SE¼ Sec. 6 T 9N 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 clain is based STOCK WATER

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

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

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

8. The depth of water table 60 FT.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater GAL CASING 1¼ INPIPE 2 IN CYLINDER 60 FT

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

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

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

Signature of Owner E. D. Daugherty

Date Dec. 31, 1963

20542

169698

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 31 DAY OF
December A. D. 19 63
AT 2:15 O'CLOCK P. M.
B. H. MATZKE
COUNTY RECORDER
Frances L Dawson
DEPUTY

2 00.

9N 24E 8

County Musselshell

GW 2 Revised 1969
STATE PUBLISHING COMPANY

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA WATER RESOURCES BOARD
RECEIVED
JUL 8 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)

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 Lake Mason Grazing Assoc.

Address Roundup, Montana

Date well started 4/6/71
completed 4/6/71

For Administrator's Use
File 182367 July 8 1971 1:40 PM
GW 1

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

Equipment used churn drill (Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

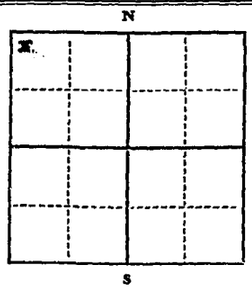
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 700,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7 in.	8in. I.D. 22# Ft.	0	16			
	6in. I.D 225/lastic	0	91	½ in. holes 4 per ft.	40	90



Static water level 28 ft. ft.*
Pumping water level 60 ft.*
at 4 gall. gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by baling
for one hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

nw ¼ nw ¼ Sec. 8
T. 9 N R. 24 E

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

Driller's Signature Joe Kornd

Driller's Address Box 698 Roundup, Montana

LICENSE NO. 95

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	2	surface
2	18	sand (yellow)
18	29	shale (light grey)
29	31	sand (grey) water
31	35	shale (light grey)
35	48	sandy shale (grey)
48	57	sand (grey hard fine) water
57	78	sandy shale
78	81	sand (hard grey) water
81	90	shale
90	91	shale rock

91 Show exact depth of bottom

48715

182363

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 8th DAY OF

July A. D. 19 71

AT 1:40 O'CLOCK P M.

CLAUDE F. FLETCHER

COUNTY RECORDER

Louella Stevens

DEPUTY

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

File No.....

T. 9 N R. 24 E

DUPLICATE

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963
STATE ENGINEER

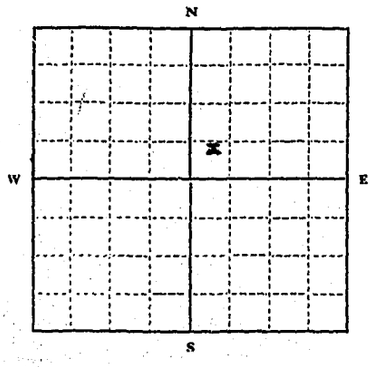
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Lawrence D. Stanley (Name of Appropriator), of Box 316 (Address) Roundup (Town)

County of Musselshell State of Mont.

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



SW ¼ NE Sec. 11 T. 9 R. 24

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

2. The beneficial use on the claim is based stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been summer 1950

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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 pump and cylinder

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater summer 1950

8. The depth of water table 12 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 50 inch casing 25 feet deep

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

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

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

Signature of Owner Lawrence D. Stanley
By Frank Holliday Mgr

Date Dec 14 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.

11684

169279

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 20 DAY OF
Dec A. D. 1963
AT 3:44 O'CLOCK P M.

B. H. MATZKE
COUNTY RECORDER

Elaine J. Greene
DEPUTY

$2.00

RECEIVED
DEC 24 1963
STATE ENGINEER

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

File No.....

T 9 N R 24 E

DUPLICATE

County Muss.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1963
STATE ENGINEER

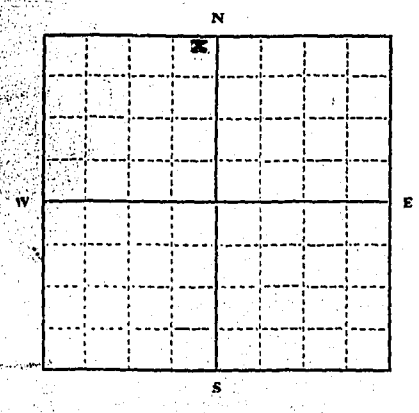
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Lawrence D. Stanley (Name of Appropriator), of Box 316 (Address) Roundup (Town)

County of Muss. State of Mont.

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



NE¼ NW Sec. 11 T. 9 R. 24

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been summer 1954

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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 pump and cylinder

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater summer 1954

8. The depth of water table 12 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 60 inc casing 25 feet deep

10. The estimated amount of groundwater withdrawn each year 600,000 gal.

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

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

Signature of Owner Lawrence D. Stanley
By Frank Holliday Mgr.
Date Dec 14, 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.

11685

169280

STATE OF MONTANA, }ss.
MUSSELSHELL COUNTY.}

FILED THIS _____ DAY OF

_____ A. D. 19____

AT _____ O'CLOCK ____ M.

B. H. MATZKE
COUNTY RECORDER

_____
DEPUTY

GV

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

File No.....

T 9 N R 24 E

DUPLICATE

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED DEC 23 1963 STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Lawrence D. Stanley, of Box 316 Roundup
(Name of Appropriator) (Address) (Town)

County of Musselshell State of Mont.
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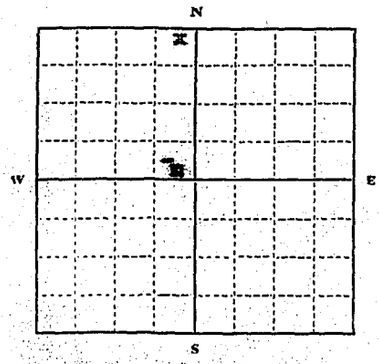

NE NW
~~NE~~ ¼ ~~NW~~ Sec. 11 T. 9 R. 24

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 continuous the use has been 1912

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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
pump and cylinder

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1912

8. The depth of water table ~~30 inch casing~~ ~~25 feet deep~~ 12 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 30 inch casing 25 feet deep

10. The estimated amount of groundwater withdrawn each year 600,000 gal

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

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

Signature of Owner Lawrence D. Stanley
By Frank Holliday Agt
Date Dec 14, 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.

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169269

STATE OF MONTANA,
MUSSELSHELL COUNTY. } ss.

FILED THIS 20 DAY OF
Dec A. D. 19 63
AT 3:34 O'CLOCK P M.

B. H. MATZKE
COUNTY RECORDER

Elaine J. Bateman
DEPUTY

Ø 2.00

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

File No.....

T. 9 N R. 24 E

DUPLICATE

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
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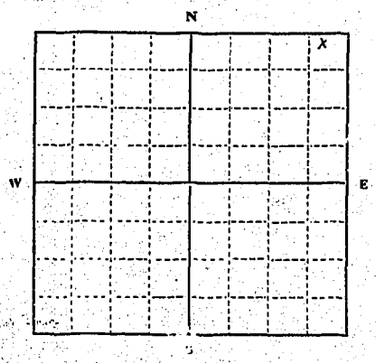

NE ¼ NE Sec 12 T. 9 R. 24

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 continuous the use has been summer ~~1960~~ 1916

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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 pump and cylinder

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater summer of ~~1960~~ 1916

8. The depth of water table 30 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 inch casing 140 feet deep

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

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

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

Signature of Owner Lawrence D. Stanley
By Frank Holliday Atty
Date Dec 14, 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.

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11680