

STATE OF MONTANA,  
MERCER SHELL COUNTY.

FILED THIS 14 DAY OF  
Sept A.D. 1966  
AT 4:35 O'CLOCK P.M.  
Clude F. Slitzer  
COUNTY RECORDER

200-

Abolition of the  
Office of the  
Recorder of Deeds

OFFICE OF THE RECORDER  
RECORDS OF THE COUNTY

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Form No. 18  
8-60

T. 10 R. 27  
County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 2 1962

Water Well Log

STATE ENGINEER


Owner B. E. Lacey Address Roundup  
Driller McConnell Bros Address Roundup  
Date Started Oct 10 1959 Date Completed Oct 15 1959  
Location: Sec. 30 T. 10 R. 27  $\frac{1}{4}$  sec. N.W. 4

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

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

Casing: 0 ft. to 175 ft. Type galv Size 6 in

Casing:        ft. to        ft. Type        Size       

Casing:        ft. to        ft. Type        Size       

Perforated or screened: Ft. 115 to ft. 175 . Ft.        to ft.       

Type of screen or perforations slotted

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 30 feet at 20 gal. per min.

How tested: Tester at completion

Length of test 30 min to 1 hr

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

(over)

## Log of Well

[illegible]

RECEIVED

OCT 5 1960

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner B. E. Lacey Address Roundup, Mont.  
Driller P. L. Ferguson Address Roundup, Mont.  
Date Started Aug. 12, 1958 Date Completed Aug. 30, 1958  
Location: Sec. 32 T. 10 R. 27 ¼ sec. N.W. ¼ SE

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

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

Casing: 1 ft. to 10.8 ft. Type Galvanized Size 6"  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 13.4 to ft. 16.6 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations slat

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

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

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

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

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

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

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

(over)

### Log of Well

[illegible]

Form No. 18  
8-60

T. 10 R. 27

County Marshall

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 2 1952

STATE ENGINEER

Water Well Log


Owner B. E. Lashby Address Roundup Mont

Driller P. J. Ferguson Address Roundup Mont

Date Started Aug 1, 1951 Date Completed Aug 10, 51

Location: Sec. 32 T. 10 R. 27  $\frac{1}{4}$  sec. SE

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

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

Casing: 0 ft. to 168 ft. Type galvanized Size 6 in

Casing:        ft. to        ft. Type        Size       

Casing:        ft. to        ft. Type        Size       

Perforated or screened: Ft. 156 to ft. 168. Ft.        to ft.       

Type of screen or perforations slotted

Static water level, for non-flowing well: 70 feet.

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

Pumping water level 70 feet at 10 gal. per min.

How tested: baler at completion

Length of test  $\frac{1}{2}$  to 1 hour

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

(over)

## Log of Well

[illegible]

## GROUNDWATER INDEX

Page / of

County Musselshell Twp. 10N Rge. 28E

[illegible]



File No. \_\_\_\_\_

STATE WATER CONSERVATION BOARD

T. 10 R. 28

DUPLICATE

MAR 6 1967

County Muskegon

LOG

Billie \_\_\_\_\_ STATE OF MONTANA  
 Bureau \_\_\_\_\_ ADMINISTRATOR OF GROUNDWATER CODE  
 Coyne \_\_\_\_\_ OFFICE OF STATE ENGINEER  
 Darlington \_\_\_\_\_  
 Dickert \_\_\_\_\_

Top of Ground 2

(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)

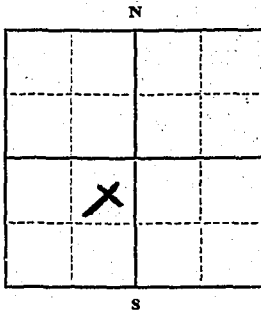
Owner Louis Goffena Address Muskegon, MontDriller Harry McConnell Address Roundup, Mont

Date of Notice of appropriation of groundwater \_\_\_\_\_

Date well started Dec 29, 1966 Date completed Jan 9, 1967Type of well drilled Equipment used rotary  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6 1/4"</u>	<u>4" I.D.</u> <u>11 #</u>	<u>0</u>	<u>420</u>	<u>none</u>		



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 watchLength of Test 5 min

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) rockCement from 75'to top of groundrubber cone catcher

NE 1/4 Sec 2 T10 R28  
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.  
at 418'

(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

43  
Harry McConnell  
 Driller's Signature

175222

STATE OF MONTANA,  
MUSSELSHELL COUNTY

FILED THIS 3rd DAY OF March A.D. 196  
AT 2:20 O'CLOCK P.M.

**CLAUDE F. FLETCHER**

COUNTY RECORDER

Elaine J. Hansen  
DEPUTY

陳 鳳

2.2

1

CHIEF OF STATE POLICE  
INVESTIGATOR OF CRIMINALS CODE  
STATE OF MICHIGAN

DEPARTMENT OF THE ARMY  
WASHINGTON, D. C. 20315  
OFFICE OF THE CHIEF OF DEFENSE  
INTEGRITY

1. The first group of people who are interested in the study of the history of the United States are the people who are interested in the history of the United States. They are interested in the history of the United States because they want to know more about the United States. They want to know more about the United States because they want to know more about the United States.

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Office of Director of Education

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**SECRET**

1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

**Abstract**

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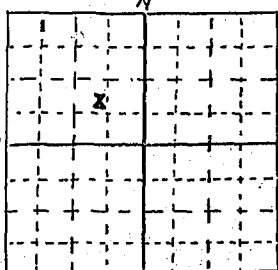
1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

State of Montana  
Administrator of groundwater Code  
Office of State Engineer

T. 10.....R. 28.....  
County: Musselshell.....  
**RECEIVED**  
JAN 3 1964

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

1. **Goffena Ranch & Livestock Co.**....., 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 NW S 4 10 28  
.....Sec.....T.....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.....  
**Before 1930, 3 months out of each year.**

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....**5 gallons per minute**.....

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....  
**Pump with pump jack, powered with gasoline engine**.....

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

8. The depth of water table.....**42 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.....  
**driven well with churn, galvanized casing to 145 feet**.....

10. The estimated amount of groundwater withdrawn each year.....**90,000 gallons**.....

11. The log of formations encountered in the drilling of each well if available.....  
**The well starts in Fox hill sands and bottoms in the Bear paw shale**.....

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

Signature of Owner **Goffena Ranch & Livestock Co.**  
By **[Signature]**  
Date **December 31, 1963**

169808

STATE OF MONTANA, (ss.)  
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF

dec A. D. 1963  
AT 6:20 O'CLOCK P M.

E. E. MATZKE

COUNTY RECORDER

Frances L. Dawson  
202 DEPUTY

OW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. ....

DUPLICATE

T. 10 N R. 28 E  
County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

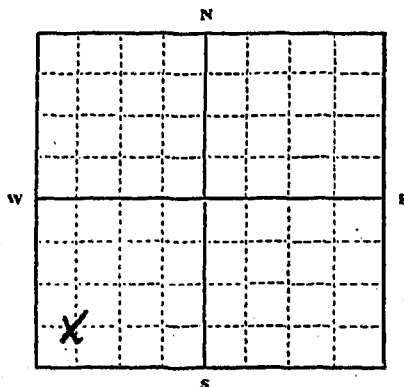
JAN 3 1964

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. C. H. Hall, 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:



SW 1/4 Sec. 7 T. 10 R. 28

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... 6-1-50 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 25 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... pump jack & mtr.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... 5-1-50 to 6-1-50
8. The depth of water table... 50'
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... 250' Well - 6" casing
10. The estimated amount of groundwater withdrawn each year... 2,000,000 gal.
11. The log of formations encountered in the drilling of each well if available... unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record... none

Signature of Owner... C. H. Hall

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.

20583

169739

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF  
December A. D. 1963

AT 4:00 O'CLOCK P.M.

FRANK MATZKE

COUNTY RECORDER

Francis P. Dawson  
280 DEPUTY

File No. ....

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

T. 10<sup>N</sup> R. 28<sup>E</sup>  
County Musselshell

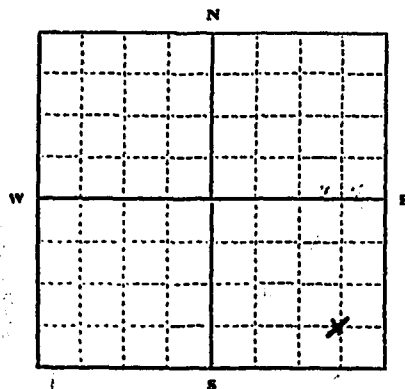
JAN 3 1964

STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. C. H. Hall, 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 Sec 9 T10 R28

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 8-1-1958 - Continuous

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  
Artesian well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 7-15-58 to 8-1-58

8. The depth of water table 400' well - Artesian flow to 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  
400' well - 6" casing

10. The estimated amount of groundwater withdrawn each year 5,000,000 gallons

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

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 Nine

Signature of Owner

C. H. HallDate 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.

20584

169740

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF  
December A.D. 1923  
AT 4:02 O'CLOCK P.M.

FRANK MATZKE

COUNTY RECORDER

Francis L. Dawson  
DEPUTY

RECEIVED  
DEPARTMENT OF AGRICULTURE  
DIVISION OF PLANT INDUSTRY  
MONTANA  
JAN 2 1924

RECEIVED  
DEPARTMENT OF AGRICULTURE  
DIVISION OF PLANT INDUSTRY  
MONTANA  
JAN 2 1924



Form No. 18  
8-60

T. 10 R. 28

County Missoula

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 2 1958

Water Well Log

STATE ENGINEER

			X

Owner L. W. Goffena Address Roundup

Driller R. L. Ferguson Address Roundup

Date Started May 24, 1958 Date Completed June 4, 1958

Location: Sec. 15 T. 10 R. 28  $\frac{1}{4}$  sec. S.E. of S.E.

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

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

Casing: 0 ft. to 180 ft. Type galvanized Size 6"

Casing:        ft. to        ft. Type        Size       

Casing:        ft. to        ft. Type        Size       

Perforated or screened: Ft. 150 to ft. 175 . Ft.        to ft.       

Type of screen or perforations slots

Static water level, for non-flowing well: 34 feet.

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

Pumping water level 170 feet at 6 gal. per min.

How tested: Bailing

Length of test one hour

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

(over)

## Log of Well

[illegible]

AUG 15 1958

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 10 R. 28  
County Musselshell

Owner Coffey Ranch Address Roundup, Mont.  
Driller P. L. Ferguson Address Roundup, Mont.  
Date Started 6-5-58 Date Completed 6-12-58  
Location: Sec 15 T 5 S 3 E 15 N 28 E  $\frac{1}{4}$  sec. 28E

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

(over)

### Log of Well

[illegible]

Form No. 18  
8-60

18

T. 10 R. 28  
County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

X		

Owner Goffena Ranch & Livestock Co. Address Roundup, Montana  
Driller Miles Jackson Address \_\_\_\_\_  
Date Started Jan. 1961 Date Completed April 1, 1961  
Location: Sec. 18 T. 10 R. 28  $\frac{1}{4}$  sec. 39 $\frac{1}{2}$

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

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

Casing: 0 ft. to 150 ft. Type heavy Size 8-5/8

Casing: 0 ft. to 720 ft. Type Heavy 14 $\frac{1}{2}$  Size 5 $\frac{1}{2}$

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

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

Type of screen or perforations slits in casing

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

Shut-in pressure, for flowing well: 42 lb./sq. in. on: June 1961  
(date)

Pumping water level \_\_\_\_\_ feet at 4 $\frac{1}{2}$  gal. per min. \_\_\_\_\_

How tested: cell & watch

Length of test one minute

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

0-150 ft. cemented off - 400 to 500 ft cemented again

(over)

## Log of Well

[illegible]

765056

File No. ....

MONTANA WATER RESOURCES BOARD

T. 10 R. 28

DUPLICATE

**RECEIVED**County Musselshell

APR 5 1968

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

LOG

Top of Ground

(Elev. above sea level)

35' shale50' sandshale + streaks of  
115 muddy sand173 shale185 sand**Notice of Completion of Groundwater  
Appropriation by Means of Well**

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

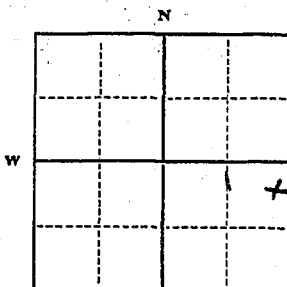
Owner Wesley Goffman Address Delphia Mont.Driller Harvey McConnell Address Poundage Mont.

Date of Notice of appropriation of groundwater

Date well started Dec 18, 1967 Date completed March 1, 1968Type 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"	4"	0	580'	none		
4"	11 #					
	2 7/8 #	554	830	1/8" slate	800'	820'
	7 #					

690' shale735 sand (muddy)  
*no water*800' shale820' sand (water)830' shaleStatic Water Level for non-flowing well 0 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 220 feetat 9 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested bailerLength of Test 8 hr.

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) 4" casingCemented from 200'to 40' with 30 #rubber packer at800 ft.

(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

Harvey McConnell  
Driller's Signature.

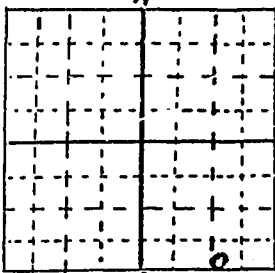
44.033

1947



T.....R.....  
County: Musselshell.....State of Montana  
Administrator of groundwater Code  
Office of State EngineerRECEIVED  
DEC 30 1963DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961)  
STATE ENGINEER

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



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 10, 1951.....
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 5 gallons per minute.....

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water .....  
... May 10, 1951 it was commenced and completed on Sept. 15, 1951.....

8. The depth of water table .. 150 feet.....

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....  
..... Drilled well 6 inch casing and depth of 225 feet.....

10. The estimated amount of groundwater withdrawn each year. Several thousand gallons....

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any count record.....  
... None recorded and no other information that we know of.....

Signature of Owner..... Betty Coffens.....

Date . Dec. 27, 1963.....

169463

STATE OF MONTANA.  
DELSHELL COUNTY.  
ED THIS 27 DAY OF  
dec A. D. 1963  
A. 3:36 O'CLOCK P.  
A. H. MATZKE

COUNTY RECORDER  
James L. Dawson  
2.02

Form No. 18  
8-60

23

T. 10 R. 28  
County  Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

		X

Owner Wilbur Goffena Address Roundup, Montana  
Driller AGC - Barker Address \_\_\_\_\_  
Date Started Nov. Date Completed Dec. 1960  
Location: Sec. 23 T. 10 R. 28  $\frac{1}{4}$  sec. NE $\frac{1}{4}$

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

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

Casing: 0 ft. to 100 ft. Type Heavy Size 8-5/8

Casing: 0 ft. to 860 ft. Type heavy 14 Size 5 $\frac{1}{2}$

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

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

Type of screen or perforations slits in casing

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

Shut-in pressure, for flowing well: 36 lb./sq. in. on: \_\_\_\_\_  
(line)

Pumping water level \_\_\_\_\_ feet at 2 gal. per min. \_\_\_\_\_

How tested: 5 gal bail & watch

Length of test 2 minutes

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

0 - 100 ft. cement

(over)



STATE OF NONPANA, MUSSHELL COUN. TY.,	FILED IN	28	DAY OF
	<del>Sept</del>		A. D. <del>1891</del>
AT 1:00	O'CLOCK		P. M.
B. E. MATZKE			
COUNTY RECORDER			
<i>W. H. Miller</i>			DEPT. TY

165057

File No. ....

T. 10 N. R. 28 E. 23

DUPLICATE

County, Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 2 1964

STATE ENGINEER

1. Wilbur V. Goffena, of Box 8 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:


N  
W  
E  
S

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 is livestock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since December, 1960

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

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

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

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

8. The depth of water table is 690 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 is a 6 inch casing and depth is 690 feet

10. The estimated amount of groundwater withdrawn each year 1,199,350 1,680,000 gallons

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

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

Signature of Owner Wilbur V. Goffena

Date December 29, 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.

17749

5274

169408

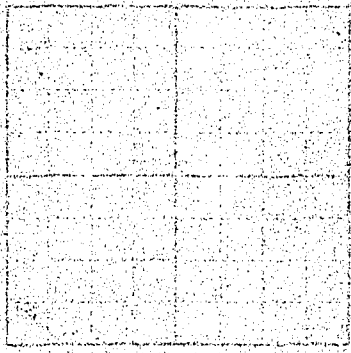
STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 30 DAY OF  
dec A.D. 19 63  
AT 12:09 O'CLOCK P.M.  
B. H. MATZKE

COUNTY RECORDER

James L. Dawson  
DEPUTY

2.00



RECORDED IN BOOK 169408 PAGE 1

169408

File No. ....

DUPLICATE

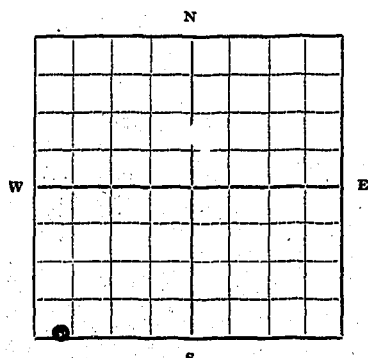
T. 10 N R. 28 E 32  
County. MusselshellSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
DEC 30 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

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



SW 1/4 Sec. 32 T. 10 R. 28

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 Before 1910 with intermittent use since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) About 6 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Cylinder pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Information on the well unknown
8. The depth of water table 44 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled, eight inch casing and depth of 90 feet
10. The estimated amount of groundwater withdrawn each year average of several thousand gallons
11. The log of formations encountered in the drilling of each well if available Log 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 that we know of

Signature of Owner Betty GoffenaDate 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.

15357

169460

STATE OF MONTANA, }  
MUSSELSHELL COUNTY, } SR.

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_

A. D. 19 \_\_\_\_\_

O'CLOCK \_\_\_\_\_ M.

COUNTY RECORDER

STATE OF MONTANA, } DEPUTY  
MUSSELSHELL COUNTY, } SR.

FILED THIS 27 DAY OF \_\_\_\_\_

A. D. 19 63

AT 3:33 O'CLOCK P M.

R. H. MATZKE

COUNTY RECORDER

Frances L. Dawson  
DEPUTY

2.02



RECEIVED  
OCT 5 1960

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 10 R. 28

County Musselshell

WATER WELL LOG


Owner Goppena Ranch Address Roundup, Mont.

Driller P. L. Ferguson Address Roundup, Mont.

Date Started May 24, 1958 Date Completed June 1, 1959

Location: Sec. T. R. 1/4 sec.

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 1 ft. to 180 ft. Type galvanized Size 6"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 35 to ft. 80 Ft. 160 to ft. 175

Type of screen or perforations slot

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

Shut-in pressure, for flowing well: 130 lb./sq. in. on: (date)

Pumping water level 50 feet at 6 gal. per min.

How tested: balancing

Length of test: 1 hr.

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

(over)

Judith Rauer

[illegible]

## GROUNDWATER INDEX

Page 1 of 1

County Musselshell Twp. 10N Rge. 29E

[illegible]

File No. \_\_\_\_\_

T. 10 N R. 29 E

DUPLICATE

County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

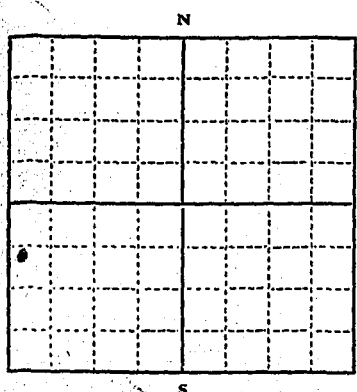
RECEIVED  
JAN 2 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

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



S. 1/4 Sec. 17 T. 10 N R. 29 E

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

2. The beneficial use on which the claim is based Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 6-1-48  
Flaming well
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons
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 Flame

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

8. The depth of water table 850 ft

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

10. The estimated amount of groundwater withdrawn each year 2624000

11. The log of formations encountered in the drilling of each well if available This well was drilled for oil and abandoned - was completed as a water well - it flows 5 gallons a minute from a depth of 850 ft

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

Signature of Owner H. and H. Runk  
& Harold Hays  
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.

17741

169490

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 30 DAY OF dec  
A. D. 1963

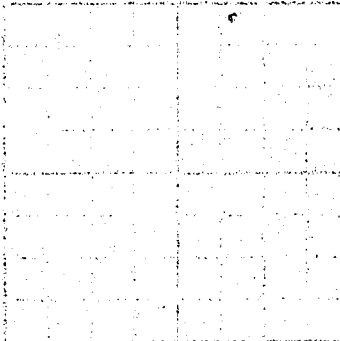
AT 11:53 O'CLOCK A.M.

B. H. MATZKE

COUNTY RECORDER

Francis L. Dawson  
DEPUTY

2.00



RECEIVED  
MUSSELSHELL COUNTY  
CLERK'S OFFICE  
DEC 30 1963

File No. ....

T. 10<sup>N</sup> R. 29<sup>E</sup>

DUPLICATE

County Musselshell

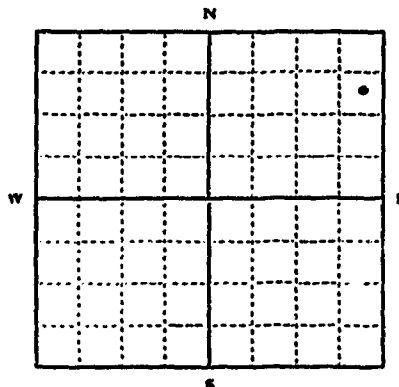
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1964  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ho H. Ranch, of Milton,  
(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. 17, T. 10 R. 29

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

2. The beneficial use on which the claim is based. Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Aug 15 - 1960
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 1 1/2 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Flower

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
8. The depth of water table. 850 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
10. The estimated amount of groundwater withdrawn each year. 688,400 gallons
11. The log of formations encountered in the drilling of each well if available. This well was drilled by an oil co. and abandoned. No complete log was made.
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 Ho H. Ranch  
Harold Hays  
Date 12-30-62

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. 17942

169491

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 30 DAY OF

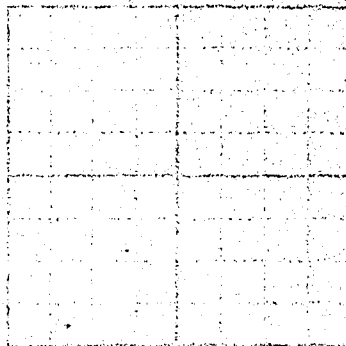
AT 11:55 O'CLOCK A.M.

E. H. MATZKE

COUNTY RECORDER

Francis L. Dawson

DEPUTY



169491

RECEIVED

FILED

169491

169491

169491

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169491

GW

Approved Stock Form—State Publishing Co., Helena, Montana—4224

File No. \_\_\_\_\_

T 10 N R 29

DUPLICATE

County Musselshell

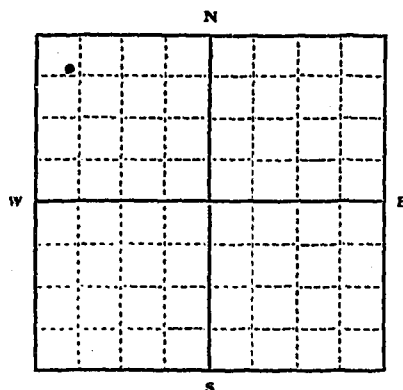
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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



N. 1/4 Sec. 22 T. 10 R. 29

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

2. The beneficial use on which the claim is based. Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. June - 1948
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 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.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Artesian Submersible pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
8. The depth of water table. 120 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
10. The estimated amount of groundwater withdrawn each year. 50,000 gal yearly
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 county record.

Signature of Owner H. and H. Ranch Co.

Date 12-30-63

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

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

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

17739



169488

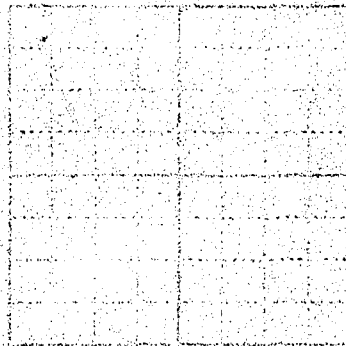
STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 30 DAY OF  
Dec A.D. 1963  
AT 11:49 O'CLOCK 9 M.

B. H. MATZKE

COUNTY RECORDER

*Francis L. Dawson*  
DEPUTY



169488

169488

169488

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. ....

T. 10 N R. 29 E

DUPLICATE

County Missoula

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

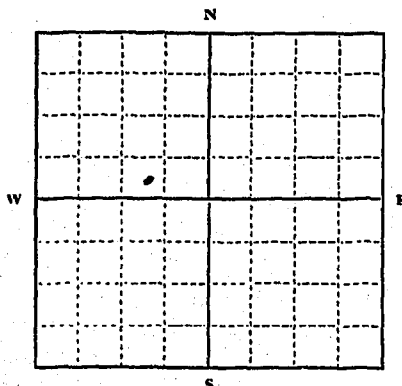
RECEIVED  
JAN 2 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Harold H. Ranch Co, of Milestone  
(Name of Appropriator) (Address) (City)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 22 T. 10 R. 29

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

2. The beneficial use on which the claim is based Stock Water  
June - 1948
3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 1948  
Each summer since 1948
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
8. The depth of water table About 120 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
10. The estimated amount of groundwater withdrawn each year 60,000 per year
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 county record.

Signature of Owner Harold H. Ranch Co  
By Harold H. Ranch  
Date 12-30-63

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

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

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

17740



FILED THIS 30 DAY OF Dec  
A. D. 1963

**B. H. MATZKE**

COUNTY RECORDER

COUNTY RECORDER  
Francis L. Dawson  
DEPUTY

## DEEDY

THE UNIVERSITY OF CHICAGO

RECEIVED BY THE DIRECTOR OF THE FBI

DEC 19 1944

100

**SECRET**

See page 23

1990

1901-1902

[illegible]

# GROUNDWATER INDEX

Page 1 of 1

County Muskegon Twp. 10th Rge. 30E

[illegible]

File No. ....

T. 10 N R. 30

DUPLICATE

County Musselshell

F.W.  
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

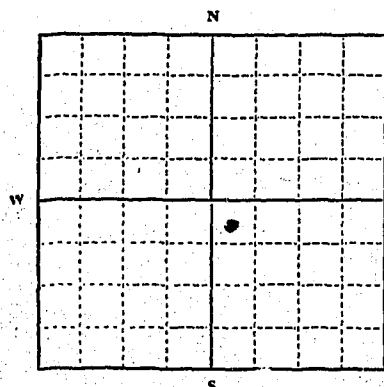
**RECEIVED**  
JAN 2 1964

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

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



SE  $\frac{1}{4}$  Sec. 7 T. 10 R. 30

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 1960
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 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
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Flowers

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
8. The depth of water table 3700 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 This well was drilled by an oil co and was abandoned - was completed but as a water well
10. The estimated amount of groundwater withdrawn each year 1,000,000
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 county record

Signature of Owner Harold H. Ranch Co.

Date 12-30-62

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.

17738

169487

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 30 DAY OF

dec A.D. 1963

AT 11:47 O'CLOCK A.M.

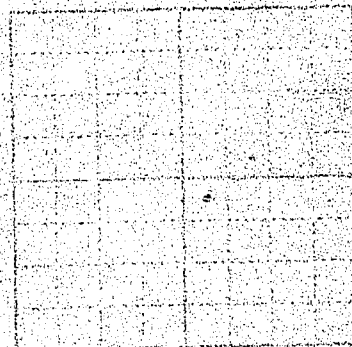
B. H. MATZKE

COUNTY RECORDER

Francis J. Dawson

DEPUTY

2.09



27 Nov 1 10 30

File No. \_\_\_\_\_

DUPLICATE

T. 10 N R. 30 E 36County Musselshell

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

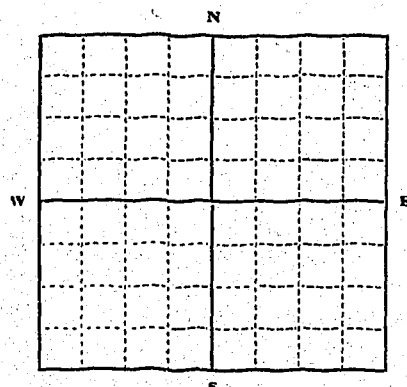
RECEIVED  
JAN 2 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Harold Houg, of Medicine,  
(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:

Sec. 1/4 Sec. 36 T. 10 R. 30

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  
and Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 and since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
8. The depth of water table 25 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
10. The estimated amount of groundwater withdrawn each year.
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 county record.

Signature of Owner Harold HougDate 12-30-63

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

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

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

17747

169496

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 30 DAY OF  
Dec A. D. 1963  
AT 12:05 O'CLOCK P.M.

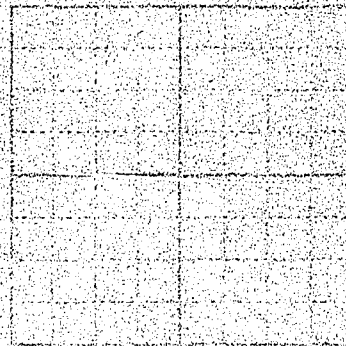
B. H. MATZKE

COUNTY RECORDER

*Francis J. Lawson*

DEPUTY

2.00



NOT RECORDED  
BY THE COUNTY RECORDER  
ON 12-30-63

THIS DOCUMENT IS NOT TO BE USED FOR ANY OTHER PURPOSE THAN THAT FOR WHICH IT WAS ORIGINALLY DESIGNED.



## GROUNDWATER INDEX

Page 1 of 1

County Muskegon Twp. 9N Rge. 22E

[illegible]

File No. ....

DUPLICATE

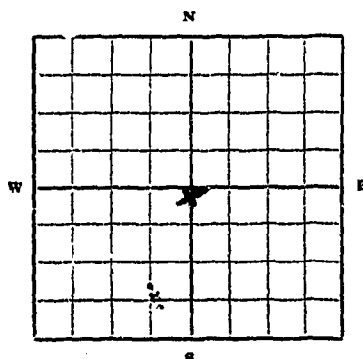
T. 9<sup>N</sup> R. 22  
County MUSSELSHELL

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 2 1964

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

ELIZABETH GIESE, of Box 236 Roundup  
(Name of Appropriator) (Address) (Town)  
County 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 12 T 9 R 22

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

2. The beneficial use on which the claim is based  
LIVESTOCK DRINKING WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
NOV 14 1952  
EVERY YEAR
4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
CAN NOT BE PALED DRY  
BY WELL DRILLER
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
NOT USED FOR IRRIGATION
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
PUMP  
JACK CASSIDINE ENGINE

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
COMPLETED NOV 14 1952
8. The depth of water table  
7 FEET FROM TOP OF WELL
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  
SIX INCH DRILLED WELL  
THIRTY NINE FEET DEEP
10. The estimated amount of groundwater withdrawn each year  
DO NOT KNOW
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

*Elizabeth Giese*

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.

17802

169553

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 30 DAY OF  
Dec A. D. 1963

AT 2:04 O'CLOCK P. M.

B. H. MATZKE

COUNTY RECORDER

Francis L. Dawson  
82.00  
DEPUTY

RECEIVED  
OFFICE OF THE COUNTY CLERK  
MUSSELSHELL COUNTY  
MONTANA  
DECEMBER 30 1963  
CLERK OF COURT

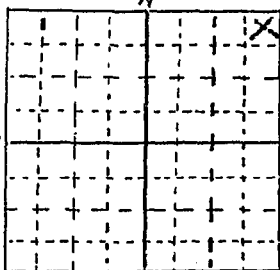
State of Montana  
Administrator of groundwater Code  
Office of State Engineer

T. 9N R. 22E  
County YADEA SHELL

JAN 3 1964

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

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



NE. 1/4 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) 5 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 1930 - WPA WORK
8. The depth of water table 6 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.....  
SPRING - PIPED APPROX 100 FT TO TANK
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

169691

STATE OF MONTANA,  
MUSSELSHELL COUNTY.

FILED THIS 31 DAY OF SEP  
1908 A. D. 19 08

AT 1:55 O'CLOCK P.M.  
PAUL MATZKE

COUNTY CLERK  
Francis L. Dawson  
DEPUTY

RECEIVED

JUL 29 1960

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 9 R. 22

County Musselshell

WATER WELL LOG


Owner Vern D. Harmon Address Lavina, Mont.

Driller Don Strand Address Roundup

Date Started June 14-1960 Date Completed July 15-1960

Location: Sec. 24 T. 9 R. 22 1/4 sec. NW 1/4 1th NE 1/4

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

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

Casing: 0 ft. to 160 ft. Type Plain Size 6" 2. ga. galv.

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

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

Perforated or Screened: Ft. 128 to ft. 154 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations 16" holes

Static Water level, for non-flowing well: 122 ft. from top feet.

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

Pumping water level: 143 feet at \_\_\_\_\_ gal. per min.

How tested: Bail - tested

Length of test: Three hours (3)

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

Gravel - packed with 1/2 inch washed gravel out -  
side casing to bottom to prevent cavings from  
plugging formations. Very slow drilling because  
of the steep pitch of formations. Top was turned  
out to be a hog pond so had to go to next view  
of water (over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	9	Shale and clay
9	21	yellow clay
21	29	Sticky brown shale
29	41	Sand rock
41	49	Brown sand rock
49	58	Soft shale - tan and grey
58	62	Dark brown shale
62	69	Grey shale
69	76	Sand rock
76	77	Hard rock
77	84	Sand rock
84	88	Grey shale
88	91	Coal
91	104	Grey shale
104	112	Soft grey shale - streaks of sand
112	120	Sandy grey shale
120	122	Sandy brown shale
122	132	Sandy grey shale
132	133	Water sand - over gal.
133	151	Sandy grey shale
151	153	Water sand - 3 1/2 gal.
153	160	Reddish brown shale

Form No. 18  
8-60

T. 7 R. 22  
County MUSSELSHELL

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

Water Well Log

RECEIVED  
OCT 10 1961

		X

Owner VERN HARMON Address STATE ENGINEER  
Driller J. E. KOMB Address ROUNDUP, MONT  
Date Started 8-10-61 Date Completed 8-12-61  
Location: Sec. 24 T. 7 R. 22  $\frac{1}{4}$  sec. N.E.

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

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

Casing: 1 ft. to 133 ft. Type 2.5 GALV. Size 6"

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

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

Perforated or screened: Ft. 75 to ft. 107. Ft. 107 to ft. 120

Type of screen or perforations FAIRLY OPEN AND 1/2 INCH HOLES

Static water level, for non-flowing well: 65 feet.

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

Pumping water level 90 feet at 8 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)



Form No. 18  
8-60

T. 9 R. 22  
County MUSKELGEE

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

Water Well Log

RECEIVED  
OCT 10 1961

		X

Owner VERN HARRISON Address STATE ENGINEER  
Driller J. E. KIMBLE Address ROUNDUP, MONT  
Date Started 8-10-61 Date Completed 8-12-61  
Location: Sec. 24 T. 9 R. 22  $\frac{1}{4}$  sec. N.E.

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

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

Casing: 0 ft. to 133 ft. Type 2" S. GALV. Size 1 1/2"

Casing:  ft. to  ft. Type  Size

Casing:  ft. to  ft. Type  Size

Perforated or screened: Ft. 75 to ft. 107 . Ft. 107 to ft. 130

Type of screen or perforations FACTORY SCREEN AND 1/2" HOLE

Static water level, for non-flowing well: 65 feet.

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

Pumping water level 90 feet at 8 gal. per min.

How tested: BAILER

Length of test 1 HR

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

(over)

## Log of Well

[illegible]

STATE OF MONTANA,  
MISSOULI COUNTY, ss.  
FILED THIS 24th DAY OF  
October A. D. 1904.  
AT 1:30 O'CLOCK P. M.  
B. H. MATTHEW  
COUNTY RECORDER  
Charles E. Lawrence  
DEPUTY

五

GW

File No. ....

DUPLICATE

RECEIVED  
MAR 5 1964

Angus Stock Farm State Publishing Co., Helena, Montana—42234

T. 9 N. R. 22E

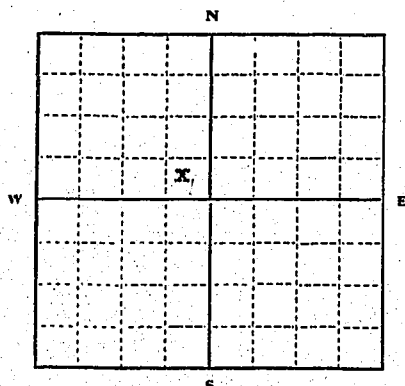
County MissoulaSTATE ENGINEER  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
DEC 30 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Betty Jean Davis, of Roundup, Montana  
(Name of Appropriator) (Address) (Town)  
County of Missoula State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NW Sec. 25 T. 9 R. 22E

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 1912
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 1/2 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.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Natural flow, Spring
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
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.
10. The estimated amount of groundwater withdrawn each year 388,800 gals.
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 county record. This water has been used for stockwater continuously since the land has been in private ownership.

Signature of Owner

Betty Jean DavisDate 12/26/63

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

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

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

15318

169421

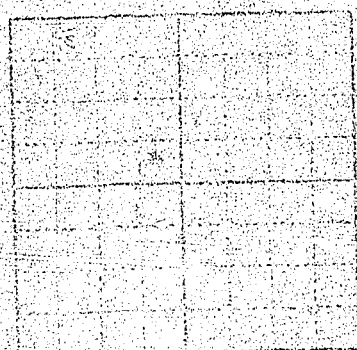
STATE OF MONTANA.  
MUSSELSHELL COUNTY.

FILED THIS 27 DAY OF Dec  
AND 19 63  
AT 2:30 O'CLOCK P M.

B. H. MATZKE

COUNTY RECORDER

Frances L. Dawson  
DEPUTY



RECEIVED  
MAY 3 1964

NOTED  
MAY 3 1964

NOTED  
MAY 3 1964

NOTED  
MAY 3 1964

NOTED  
MAY 3 1964

NOTED  
MAY 3 1964

NOTED  
MAY 3 1964

NOTED  
MAY 3 1964