

14696

COPY

State of Montana,) ss.
County of Fergus.

JUN 21 1963

Filed at 2:50 o'clock P.M.

May Rathbun
County Clerk and Recorder

6-20-63

File No. 17286T 12 R 23

DUPLICATE

County Fergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

JAN 2 1964

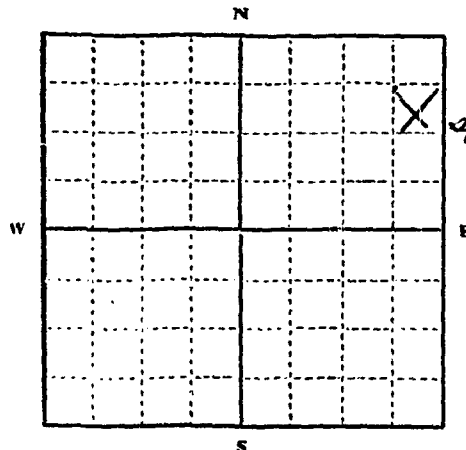
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Fressa M. Johnson, of Gyress Range
(Name of Appropriator) (Address) (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 1/4 NE Sec. 4 T. 12 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.

stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1908 continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 gallon per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1908

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. 1 1/2 in. pipe

10. The estimated amount of groundwater withdrawn each year. 470,000 gallon

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

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

Signature of Owner Fressa M. JohnsonDate 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.

17214

17286

COPY

State of Montana, } ss.
County of Fergus.

Filed DEC 30 1963 19
at 1:55 o'clock P. M.

Wm. Rathbun
County Clerk and Recorder

5200 pt

File No. 17285T. 12 R. 23

DUPLICATE

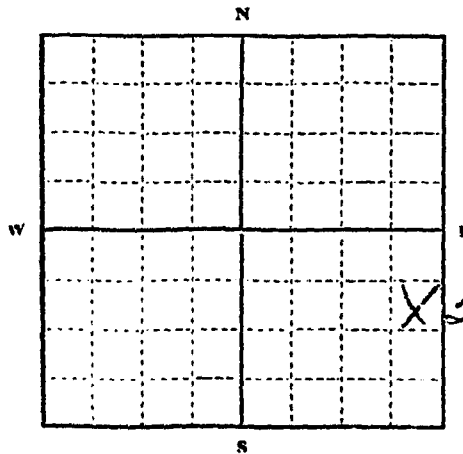
County Fergus

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. Tressa M. Johnson, of Gross Range
(Name of Appropriator) (Address) (Town)
County of Fergus State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SE Sec. 6, T. 12 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.
House and stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
1934 continuous use
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.
pumped
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
year 1934
8. The depth of water table.
unknown
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.
10.5 ft. deep 6" casing electric pump & pipe
10. The estimated amount of groundwater withdrawn each year.
unknown
11. The log of formations encountered in the drilling of each well if available.
shale and sandstone
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.
none

Signature of Owner Tressa M. Johnson
Date Dec 27 1963

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

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

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

17213

17285

State of Montana, }
County of Fergus. } ss.

COPY

Filed DEC 30 1963 19
at 1:55 o'clock P. M.

Wm. R. R. R.
County Clerk and Recorder

200-pts.

GW

Approved Blank Form—State Publishing Co., Helena, Montana—41214

File No. **17788**T. **12 N** R. **25 E**

DUPLICATE

County **Fergus**

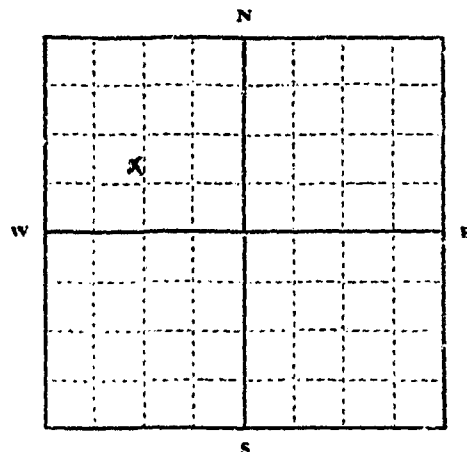
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 3 1962
STATE ENGINEER

1. **H. Bar Ranch Company**, of **Grass Range**
(Name of Appropriator) (Address) (Town)
County of **Fergus** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4, NW 1/4 Sec. 2, T. 12N R. 25 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
To be used for livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **about 1922 Has not been used since 1953**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **Two 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
In the past was withdrawn with a windmill but in the future can be withdrawn by electric pump as REA power line is immediately adjacent.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **This well was drilled by C. M. Stewart in 1922 for livestock use was cased about 40 ft of the 69 ft well. Balance in solid rock. Windmill used.**
8. The depth of water table **About 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 **5" casing used for about 40 ft set in concrete at the surface**
10. The estimated amount of groundwater withdrawn each year **about 200 gallons per day for 14 years**
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 **This well not on record. Water is safe for human consumption and will be used for livestock in the future.**

H. BAR RANCH COMPANY, INC.
Signature of Owner By **[Signature]**
Secretary-Treasurer

Date **December 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.

19231

17788

State of Montana, }
County of Fergus. } ss.

COPY

Filed DEC 31 1963 19

at 2:55 o'clock P. M.

1800

P.D.

MAY RATHBUN
County Clerk and Recorder

GW.

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

17945

File No.

T. 12 R. 23

DUPLICATE

County

Fergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 14 1964

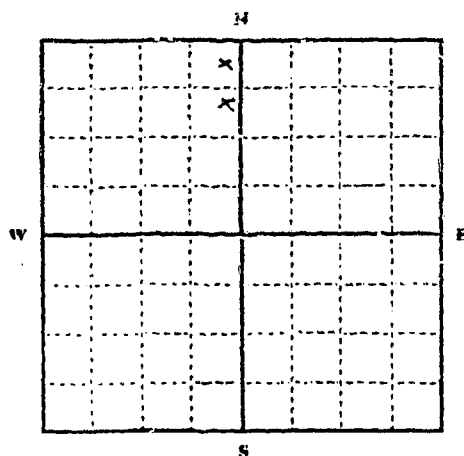
Declaration of Vested Groundwater Rights

STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Kenneth E. Nelson, of Grass Range,
(Name of Appropriator) (Address) (Town)

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



N 1/4 Sec. 23 T. 12 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 HOUSE WATER
AND STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been BOTH WELLS WERE
DUG (AND DRILLED) IN THE
EARLY 1930'S. USED SINCE THEN.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) NO I.D.C.A.

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
NAT. USED FOR
IRRIGATION

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater IN THE 1930'S

8. The depth of water table ONE WELL (HOUSE) 30 FT. OTHER 20 FT.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater HOUSE WELL WAS DUG
AND CASED WITH 34" CEMENT CASING,
DEPTH 35 FT.

STOCK WATER WELL WAS DRILLED,
PRESENT DEPTH APPROX 45 FT, CASED WITH CASING

10. The estimated amount of groundwater withdrawn each year ON THE HOUSE WELL, JUST
ORDINARY HOUSE USE. ON STOCK WELL, FOR WATERING IN WINTER.

11. The log of formations encountered in the drilling of each well if available
DON'T KNOW

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

Signature of Owner

Kenneth Nelson

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.

32159

17945

COPY

State of Montana, }
County of Fergus. }

Filed JAN 14 1964 19
at 10:00 o'clock A.M.

May Rathen
County Clerk and Recorder

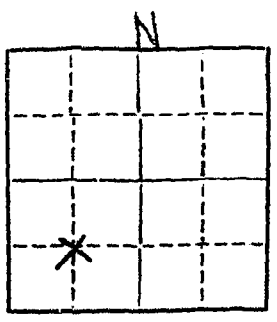
20-10

T. 12 R. 23 E 33
County FERGUS

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG



Owner KENNETH ABBOTT STATE ENGINEER
Address GRASSRANGE, MONT
Driller JOE KOMBOL Address BOX 578 ROUNDUP, MONT
Date Started 5-15-61 Date Completed 5-25-61
Location: Sec. 33 T. 12 R. 23 1/4 sec. SW 4

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

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

Casing: 0 ft. to 220 ft. Type 22 Gauge Gal Size 6"

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

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

Perforated or Screened: Ft. 115 to ft. 124 Ft. 200 to ft. 211

Type of screen or perforations: _____

Static Water level, for non-flowing well: 50' feet.

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

Pumping water level 90 feet at 2 1/2 gal. per min.

How tested: BAILER

Length of test: 1 HOUR

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

Log of Well

AUG 23 1961
 Filed
 at 10:00 a.m. A. B.
 Mary R. Johnson
 County Clerk and Recorder

Only

8415

File No.

DEC 28 1966

T. 12 R. 23 34

DUPLICATE

County FERGUS

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)

80 DARK SHALE
85 BENTONITE
96 DARK SHALE
98 WATER
106 HARD SANDY SHALE

Owner RULON ABBOTT Address BRASS RANGE, MONT

Driller JOE KOMBOL Address ROUNDUP, MONT

Date of Notice of appropriation of groundwater. NONE

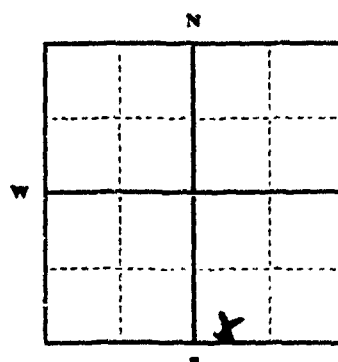
Date well started. 10-17-66 Date completed. 10-20-66

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	6" I.D. 16 GAUGE	0	106	4x4 5/8	85	104
				3 PER FT		



Static Water Level for non-flowing well 20 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 90 feet at 9 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BAILER

Length of Test 1 H.R.

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) Casing

Completed at 10 ft

SW 1/4 Sec. 34 T. 12 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

41568

28415

COPY

State of Missouri
Clerk of Court

Filed DEC 27 1966

at 7:25 o'clock A.M.

May Rothman
County Clerk and Recorder

4202 pd

11/23/66
11/23/66 82-104

11/23/66
11/23/66 11/23/66

11/23/66

11/23/66

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11/23/66

11/23/66

11/23/66

31

T. 12N R. 23E

County ~~Missoula~~
Forghs

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Peerless Oil & Gas Company
Owner Wyata Ranch Division Address Peerless Incorporated
1670 Denver Club Bldg.
Denver 2, Colorado

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

Date Started..... Date Completed.....

Location: Sec. 31 T. 12N R. 23E 1/4 sec. SW NE

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

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

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

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

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

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

Type of screen or perforations.....

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

Wyata Cattle Company
Pronghorn Ranch
Section 33, T12N, R 23E
Musselshell County, Montana

LITHOLOGIC LOG

W. 12 N. 23 E. 33

- 0 - 20 Limestone, pale pinkish-white, dense and hard.
5-10 Same with pale greyish-buff
10-15 Same
15-20 Same with increase of pink color
- 20 - 40 Limestone, pinkish-grey, buff to pinkish grey with
spots and fragments of black to brown fossiliferous
material. Ostracods with calcite centers in hard
dense limestone.
25-40 Same with more pale pink-buff color and
more ostracods.
- 40 - 45 Limestone, soft, poorly crystalline to hard, buff to
pale pinkish-white with pale rose colored calcite
crystals scattered thru out. Zones of purple calcite
and some dark purple-grey silty limestone.
- 45 - 60 Limestone, dense, irregularly mottled buff and purple.
- 60 - 75 Limestone, pale greyish-buff, dense and hard.
65-70 Same with ostracods
70-75 Same with pieces of dark purple-grey, silty
limestone.
- 75 - 80 Limestone, mottled purple & grey-buff and hard; plus
silty, light brown limestone; with irregularly
crystalline, dense buff limestone with yellow limonite
stain.
- 80 - 85 ~~XXXX~~ Claystone, grey, limy and loaded with very fine,
varicolored siltstone and limestone fragments and ostracods.
- 85 - 105 Limestone, mottled purple and grey with many ostracods
and zones which are soft and silty.
90-95 Same and also dense, grey-buff with dark
purplish-brown ostracods.
95-100 Same
100-105 Same but darker grey and with light brown
ostracods.
- 105 - 110 Limestone, grey-buff, dense and with hard darker brown-
buff ostracods.
- 110 - 115 No sample saved. (Was black, silty limestone ?)

HERBERT D. MADLEY
CONSULTING GEOLOGIST
BILLINGS, MONTANA

- 115 - 120 Limestone, dark brownish-black, finely crystalline, with flaky fractures and ostracods.
- 120 - 130 Shale, very thin laminae, entirely black and carbonaceous, with zones of clear white and yellow calcite crystals.
 125-130 Same with some dense dark brown-black to black limestone with some limonite stain.
- 130 - 145 Claystone, red and sticky with zones of reddish-brown dense limestone.
 140-145 Same and lighter pink-buff. Many pieces of pyrite and some red siltstone and red-brown, dense limestone.
- 145 - 150 Siltstone, mottled carbonaceous black and grey-buff, limy. Also with dense dark grey-brown limestone lense and some pyrite.
- 150 - 155 Limestone, black with sandy, grey-buff spots and patches; some soft, silty zones.
- 155 - 165 Sand, black; composed of tiny rounded fragments of black, silty limestone and many tiny rounded fragments of varicolored limestone as well as a few pieces of crystalline calcite; also an occasional angular to euhedral grain of quartz.
- 165 - 170 Limestone, silty, dense, dark brownish-black and drills up in very small fragments.
- 170 - 175 Same black sand as 155 - 165. Total Depth.

GROUNDWATER INDEX

Page 1 of 1

County Fergus Twp. 12 N Rge. 24 E

[illegible]

File No. **17159**

DUPLICATE

T 12 R 24

County Fergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 30 1963

STATE ENGINEER

1. CHARLES F. KAUFMANN, of Grass Range
(Name of Appropriator) (Address) (Town)
County of Fergus State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

A 10x10 grid with a bold 'X' in the 3rd row, 3rd column. The grid is labeled with 'N' at the top, 'S' at the bottom, 'W' on the left, and 'E' on the right.

SE 1/4 NW Sec 4 T12 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..... **1959 - continuously**
4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... **100 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.....
pump
7. The cost of the construction of the well, wells, or other works for withdrawing water.....
1959
8. The depth of the well or other means of withdrawal.....
0 feet
9. The size and depth of each well or the general specifications of any other water source.....
130 feet deep - cased with 6" casing
10. The quantity of water withdrawn each year..... **15,000 gallons per year**
11. The drilling of each well if available..... **unknown**
12. Any other information as may be useful in carrying out the policy of this act, including title record..... **none**

Signature of Owner

Date **Dec. 27, 1963**

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

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

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

14387

17159

COPY

State of Montana, } ss.
County of Fergus.

Filed DEC 27 1963
at 2:50 o'clock P.M.

Wray Bluthorn
County Clerk and Recorder

Expt.

GW

Approved Stock Form—State Publishing Co., Helena, Montana—39089

File No. **17158**T. **12** R. **24**

DUPLICATE

County **Fergus**

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

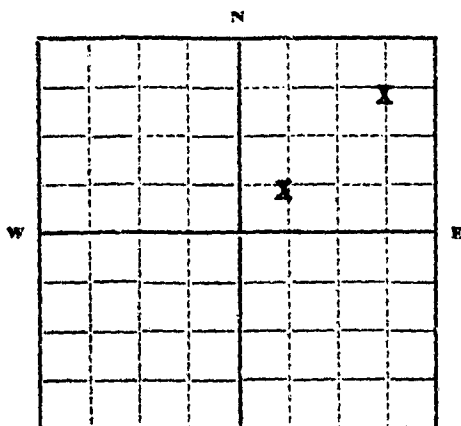
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. **CHARLES F. KAUFMANN**, of **Grass Range**
(Name of Appropriator) (Address) (Town)
County of **Fergus** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NE 1/4 - spring
NE 1/4 NE Sec. 9 T12 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.
irrigation & stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. **1895 - continuously**
1887 - continuously - spring
4. The amount of groundwater claimed (in miner's inches or gallons per minute). **1000 gallons per min.**
all - spring
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.
80 acres hay land - Charles F. Kaufmann
spring - 200 acres hay land
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
PUMP **natural flowing spring**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. **1895** **1887**
8. The depth of water table. **100 feet** **surface spring**
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" casing 100 feet deep pump**
ditched spring
10. The estimated amount of groundwater withdrawn each year. **100,000 gallons** **spring - supply all livestock & irrigation needs**
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

Date **Dec. 27, 1963**

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

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

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

14386

17158

COPY

State of Montana, } ss.
County of Fergus.

Filed DEC 27 1963 19
at 3:50 o'clock P.M.

Wm. R. Rother
County Clerk and Recorder

#200-9th.

RECEIVED
DEC 30 1969
STATE ENGINEER

Date.....Dec. 27, 1963

14385

17157

COPY

State of Montana, } ss.
County of Fergus }

Filed DEC 27 1963 19
at 3:50 o'clock P.M.

Henry R. Rother
County Clerk and Recorder
p 220 - pt

File No. 28293 STATE WATER CONSERVATION BOARDT. 12 R. 24

DUPLICATE

DEC 15 1966

County FERGUS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level)

12 CLAY
14 GRAVEL
18 CLAY
26 GRAVEL
34 DARK SANDY SHALE
44 HARD SAND ROCK
45 SHALE

WATER 34 TO 44

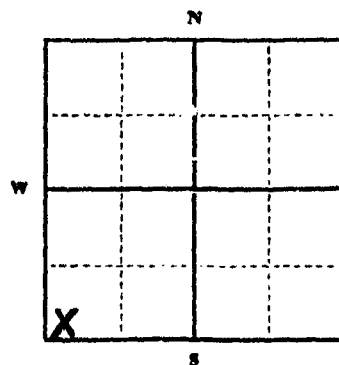
Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner KENNETH ABBOTT Address GRASS RANGE, MONTDriller JOE KOMBAL Address ROUNDUP, MONTDate of Notice of appropriation of groundwater NONEDate well started 6-7-66 Date completed 6-21-66Type of well DRILLED Equipment used CHURN
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7" TO 35"	6" I.D.	0	35	NONE		
6" TO 45"	15"					

Static Water Level for non-flowing well 7 feet.Shut-in Pressure for Flowing Well 12 feetPumping Water Level 12 feetat 32 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested WATER SAKERLength of Test 1 H.R.Remarks: (Gravel packing, cementing, packers, type of shutoff) DRILLED TO 35' set and cemented casing

S.W. 1/4 Sec. 17, T. 12, R. 24.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Driller's License Number 95Driller's Signature Joe Kombal41,439

28293

COPY

State of Montana, }
County of Lewis & Clark }

DEC 14 1966

Filed

at 2:20

o'clock P.M.

Mary Clathun
County Clerk and Recorder

#20 pr

Form No. 18
8-60

T. 12 R. 24

County Fergus

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

Water Well Log

STATE ENGINEER

Owner DARRELL ABBOTT Address Grass Range

Driller JOE KONIBOL Address Roundup

Date Started 8-23-61 Date Completed 8-24-61

Location: Sec. 23 T. 12 R. 24 $\frac{1}{4}$ sec. NW 1/4

Type of well DRILLED Equipme't used Churn
(Dig, driven, bored, or drilled) (Churn, drill, rotary, other)

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

Casing: 0 ft. to 24 ft. Type Galvanized Size 6 inch

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

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

Perforated or screened: Ft. 9 to ft. 24. Ft. _____ to ft. _____

Type of screen or perforations $\frac{1}{2}$ in. holes - 6 per ft.

Static water level, for non-flowing well: 10 feet.

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

Pumping water level 15 feet at 20 gal. per min.

How tested: Galvan - 1 hour

Length of test _____

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

(over)

Log of Well

[illegible]

6611

57

File No. 17144T. 12 R. 24

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

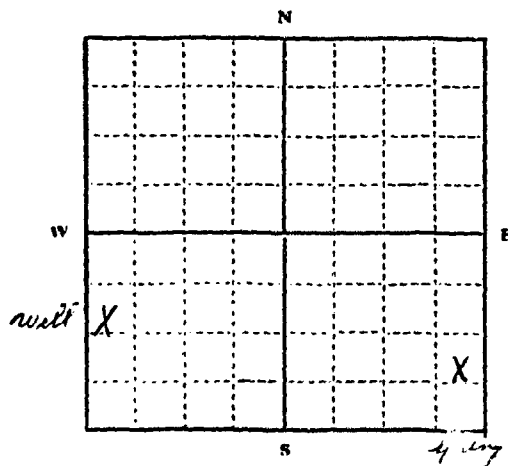
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 30 1963

STATE ENGINEER

1. Darrell Abbott, of 1412 W. Water St., Lewistown
(Name of Appropriator) (Address) (Town)

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



1/4 Sec 23 T. 12 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 well house use
spring, stock water

3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been 1915 continuous use

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

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

6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal pumping for the well, Gravity on the spring

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

8. The depth of water table unknown

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 49 ft. 6 in. casing for the well, 10 ft. deep with 1 1/2 in. pipe for the spring

10. The estimated amount of groundwater withdrawn each year unknown

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

Signature of Owner Darrell Abbott

Date Dec. 27, 1963

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

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

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

14374

17144

COPY

State of Maryland } ss.
County of Prince George
Filed DEC 27 1963 19
at 2:15 o'clock P. M.
County Clerk and Recorder
200-1

File No.

39975

T. 12

R. 24

DUPLICATE

County Fergus

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

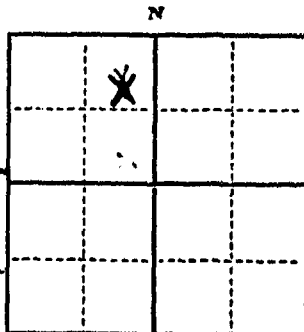
Owner Graves Ranch Co. Address Roundup, Mont.Driller Munson Drilling Co. Address Grass Range, Mont.Date of Notice of appropriation of groundwater not applicableDate well started April 11, 1970 Date completed April 20, 1970Type of well drilled Equipment used rotary
(Dug, driven, bored or drilled) (Churn 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)
12"		0	23			
6"	4 1/2" O.D.	23	259			
	6.9# galv.	0	252	reg.	220	240

Top of Ground
0 to (Elev. above sea level.....)
7ft surface wash
to
20ft gravel
to
23 sticky shale
to
115 shale
to
218 shale grading to sandy shale
to
221 shale white specks of sand to hard sand
to
239 Sand of good porosity H2O
to
259 sand grading to sandy shale
T.D.

Doc. No. 39975
Filed for record
this 8 day of July
A. D. 19 70, at 9:00
o'clock A M.



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 174

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

Discharge in gal. per min. of flowing well
5

How Tested.....

Length of Test.....

Remarks: (Gravel packing, cementing, packers, type of shutoff) cemented surface thro mud pump using 19 sacks of cement
cave type catcher packers
at 220, 200, 180 and 60ft.
six sks cement used for long stings

(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.

26
Driller's License Number

Driller's Signature

46659

39975

COPY

State of Montana,
County of Fergus, ss.

JUL 8 1970

Filed _____ 19

at 9:40 o'clock A.M.

May Rathbun
County Clerk and Recorder

\$20.00 pd

Form No. 18
8-60

T. _____ R. _____

County _____

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

STATE ENGINEER

Water Well Log

Owner _____ Address _____

Driller _____ Address _____

Date Started _____ Date Completed _____

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

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

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

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

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

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

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

Type of screen or perforations _____

Static water level, for non-flowing well: _____ 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)

8062

COPY

State of Iowa,
County of Pottawattamie, ss.

Filed DEC 28 1981

at 9:45

clock 17:00

May R. Hittman
County Clerk and Recorder

4/100

GW

File No. **17204**

DUPLICATE

T. 12N R. 24E

County **FERGUS**

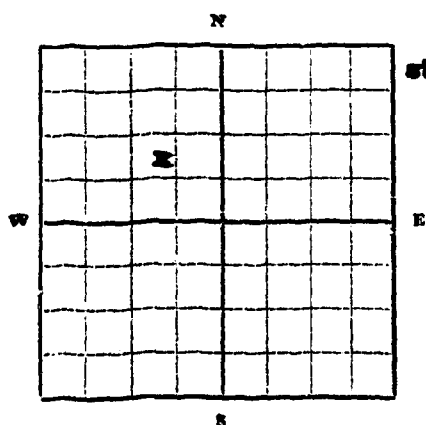
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

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

STATE ENGINEER

1. **Graves Ranch Co.**, of **Roundup, 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. 28 T12 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 & irrigation**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
old well - about 1925
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **10 gal per minute on pump**
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 **small acreage Graves Ranch Co.**
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **unknown**
8. The depth of water table **6 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
175 feet
10. The estimated amount of groundwater withdrawn each year **as needed for stock - 2,592,000 gals.**
11. The log of formations encountered in the drilling of each well if available
not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

GRAVES RANCH COMPANY

Signature of Owner

Clay B. Graves

Date

9/2/62 President

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

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

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

17137

17204

COPY

State of Montana,
County of Fergus.

DEC 30 1963

Filed.....19

at 10:00 o'clock A.M.

May Rathbun

County Clerk and Recorder

\$ 200.00

Form No. 18
8-60

T. 12 R. 24
County FERGUS

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
AUG 24 1961

N

Water Well Log

STATE ENGINEER

	X	

Owner ALVIN ABBOTT Address GRASS RANGE, MONT
Driller JOE KAMBOL Address ROCKY MOUNT
Date Started 8-21-61 Date Completed 8-23-61
Location: Sec. 29 T. 12 R. 24 $\frac{1}{4}$ sec. NW 1/4 NE 1/4

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

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

Casing: 0 ft. to 59 ft. Type 1 1/2" PER FT Size 6" ID 48 OD

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

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

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

Type of screen or perforations _____

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

Shut-in pressure, for flowing well: 5 lb./sq. in. on: 8-23-61
(date)

Pumping water level _____ feet at 306 P.M. gal. per min. _____

How tested: _____

Length of test _____

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

2" HOLE 0 TO 31' 1" HOLE 31 TO 81 CASING DRONE
TO SANDSTONE AT 59' CEMENTED ON OUTSIDE (10 SACKS)
2" SHUT OFF VALVE
(over)

Log of Well

[illegible]

5

[illegible]

Form No. 18
8-60

T. 12 R. 24

County FERGUS

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
SEP 7 1961

STATE ENGINEER

Water Well Log

1
N

			X

Owner GRAVES Address ROUNDUP, MONT

Driller JOE KOMBOL Address ROUNDUP, MONT

Date Started 8-18-61 Date Completed 8-19-61

Location: Sec. 33 T. 12 R. 24 $\frac{1}{4}$ sec. NE OF SE

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

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

Casing: 0 ft. to 70 ft. Type 2 GAUGE GALV Size 6"

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

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

Perforated or Screened: Ft. 44 to ft. 67. Ft. _____ to ft. _____

Type of screen or perforations FACTORY SCREEN (DEMPSTER)

Static water level, for non-flowing well: 26 feet.

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

Pumping water level 50 feet at 7 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]

6548

55

Form No. 18
8-60

T. 12 R. 24 E

County Perth

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

STATE OF MONTANA

			X

Owner James Ranch Company Address Academy, Montana

Driller Joe Campbell Address Academy, Montana

Date Started August 18, 1961 Date Completed 8/19/61

Location: Sec. 33 T. 12 R. 24 E $\frac{1}{4}$ sec. SE

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

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

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

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

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

Perforated or Screened: Ft. 34 to ft. 70. Ft. _____ to ft. _____

Type of screen or perforations galvanized perforated casing

Static water level, for non-flowing well: 26 feet.

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

Pumping water level 60 feet at 7 gal. per min.

How tested: Run

Length of test 14 hours

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

(over)

Log of Well

[illegible]

6069

33

Form No. 18
8-60

T. 12 R. 24
County PERKINS

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

Water Well Log

STATE ENGINEER

			X

Owner Graves Ranch Company Address Roundup, Montana
Driller JOE KUMBEL Address ROUNDUP, MONT
Date Started 7-15-61 Date Completed 7-15-61
Location: Sec. 35 T. 12 R. 24 $\frac{1}{4}$ sec. SE 4

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

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

Casing: 0 ft. to 29 ft. Type 20 SAUS Size 6"

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

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

Perforated or screened: Ft. 23 to ft. 34. Ft. _____ to ft. _____

Type of screen or perforations 1/2" 10-10

Static water level, for non-flowing well: 16 feet.

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

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

How tested: BAKER

Length of test 1 HOUR

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

(over)

Log of Well

[illegible]

6407 C-7

807-644-9760
County Clerk's Office

FILED AUG 23 1961
at 10:00 o'clock P.M.
Jury Room
County Clerk and Recorder

4/p2 ps

GROUNDWATER INDEX

Page / of /

County Fergus Twp. 11 N Rge. 16 E

[illegible]

—Helena Independent Record
File No. **9633**

DUPLICATE

T. 11 R. 16
County. **Fergus**

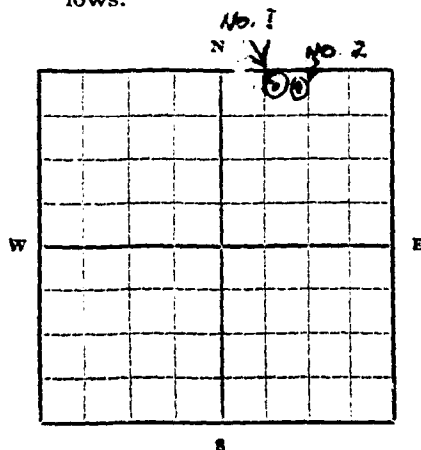
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. **BURTON T. RAW & FRANCES E. RAW**, of **BOX 75** **CARNEIL**
(Name of Appropriator) (Address) (Town)
County of **FERGUS** State of **MONTANA**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 2

1/4 Sec. 3 T. 11 R. 16.

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 **on domestic irrigation and stock water**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **on Well No. 1, June, 1944 and on well No. 2, July, 1944; use on both wells has been continuous;**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **8 gallons per minute, four gallons from each well;**
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 **Lot 2 of Section 3, T. 11, R. 16; BURTON T. RAW & FRANCES E. RAW**
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **Well No. 1 is an artesian well and flows continuously; the pump is used thereon to supply pressure for domestic use; Well No. 2 has a pump jack to bring water to surface;**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **Well No. 1, June, 1944 and Well No. 2, July, 1944.**
8. The depth of water table **Well No. 1, 60' and Well No. 2, 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 **Well No. 1 is an artesian well, 60' deep with 6" casing, flows by itself and a pump is used at the surface to supply pressure so that water can be used for domestic purposes and fill tank for livestock; Well No. 2 has a pump jack to bring water to the surface, to be put in tank for stock purposes;**
10. The estimated amount of groundwater withdrawn each year **4,204,800 gallons**
11. The log of formations encountered in the drilling of each well if available **none 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 **unknown**

Signature of Owner. **Burton T. Raw**
Frances E. Raw

Date. **May 2, 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.

9633

COPY

State of Nebraska, } ss.
County of Fergus.

Filed MAY 2 1962 19
at 5:00 o'clock P.M.

Mary R. Kitchin
County Clerk and Recorder

4200-92

File No. 9660

DUPLICATE

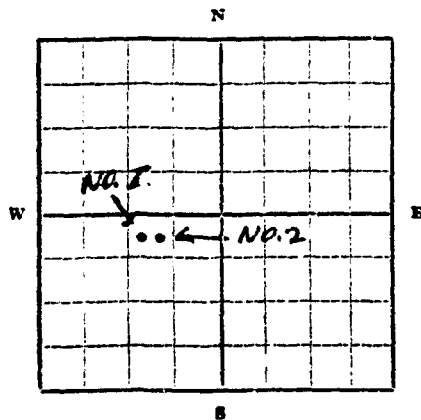
T. 11 R. 16County FERGUS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. **BURTON T. RAW & FRANCES E. RAW**, of **BOX 75** **CARNEILL**
(Name of Appropriator) (Address) (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 1/4 SW 1/4 Sec 3 T. 11 R. 16

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

2. The beneficial use on which the claim is based domestic irrigation and stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been On Well No. 1, 1915, and on Well No. 2, June, 1943; use on both wells has been continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gallons per minute, four gallons from each well
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 NE 1/4 of Section 3, T. 11, R. 16, BURTON T. RAW & FRANCES E. RAW
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pumps on both wells of 300 gallons per hour capacity
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater On Well No. 1, 1915, and on Well No. 2, June, 1943;
8. The depth of water table Well No. 1, 45'; Well No. 2, 80'
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 Both wells are pumped by 300 gallon per hour pump with 6" casing; depth of Well No. 1, 45' and depth of Well No. 2, 80';
10. The estimated amount of groundwater withdrawn each year 4,204,800 gallons
11. The log of formations encountered in the drilling of each well if available none 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 unknown

Signature of Owner Frances E. RawDate MAY 2, 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.

9660 COPY

County of Fergus }
County of Fergus }

Filed MAY 3 1962 19
at 3:30 o'clock P.

May Rathbun
County Clerk and Recorder

*200 ph

73 9631

File No.

DUPLICATE

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

T. 11N R. 16E

County FERGUS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1900

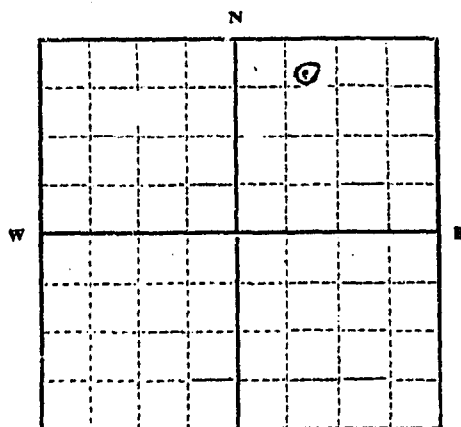
Owner BURTON T. RAW Address CARNEIL, MONTANA
FRANCES E. RAW

Contractor (if any) NONE

Address of Contractor

Date Started UNKNOWN Date Completed 1900

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable Spring that comes to the surface and flows thereon for a short distance; the spring flows continuously



Lot 2
1/4 Sec. 3 T. 11R. 16

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

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

estimate approximate lengths of periods of use

Approximately ten gallons per minute; used continuously by stock for drinking purposes and thereafter seeps back into the ground; estimated amount computed through knowledge obtained by having other wells and knowing the flow therefrom;

Signature of Owner

Date May 2, 1962

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

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

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

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

9631

COPY

State of Montana,
County of Fernie.

MAY 2 1962

Filed

at 5:00

o'clock P.M.

My Kethum
County Clerk and Recorder

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File No. **11721**

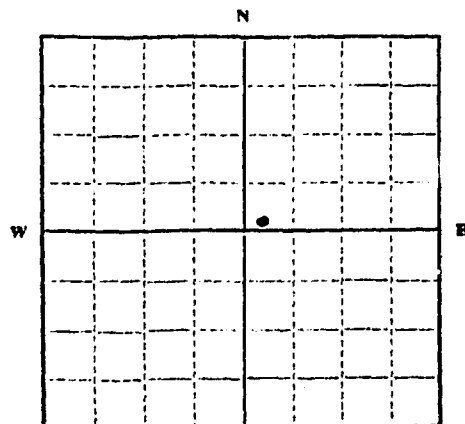
DUPLICATE

T. **10** R. **10**County **FERGUS**

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. **B. A. NICKEL** of **CARNEILL** **MONTANA**
(Name of Appropriator) (Address) (Town)
County of **FERGUS** State of **MONTANA**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NE 1/4
1/4 Sec. **4** T. **10** R. **10**

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

2. The beneficial use on which the claim is based. **Household water**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. **September, 1947**
4. The amount of groundwater claimed (in miner's inches or gallons per minute). **87,500 gallons per year**
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**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. **September, 1947**
8. The depth of water table. **6'**
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, below surface, cased with concrete and tank**
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. **Developed, cased, spring, six feet below surface, galvanized tank inside concrete casing;**

Signature of Owner

B. A. NickelDate **NOVEMBER 2, 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.

2476

11721

COPY

State of Montana. } ss.
County of Fergus.

Filed NOV 9 1962 19
at 11:20 o'clock P.M.

Mary Plathum
County Clerk and Recorder

\$20.00

File No. 11722

DUPLICATE

T. 11 R. 16

County Fergus

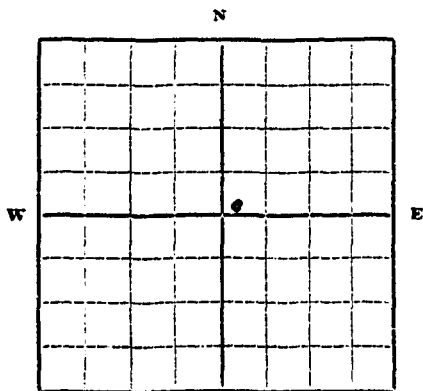
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

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

STATE ENGINEER

1. B. A. NICKEL of GARNEILL, MONTANA
(Name of Appropriator) (Address) (Town)
County of FERGUS State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SW 1/4 NE 1/4
1/4 Sec. 4 T. 11 R. 16

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 Watering
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov. 17, 1945, continuous
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 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; SW 1/4 NE 1/4, Section 4, Township 11 North of Range 16 East,
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov. 17, 1945
8. The depth of water table 74 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, steel-cased, 5" 74' deep
10. The estimated amount of groundwater withdrawn each year 40,000 gallons
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 B A Nickel

Date NOVEMBER 2, 1962

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

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

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

11722

COPY

State of Montana, } ss.
County of Fergus.

Filed..... NOV 9 1962 19.....
at 11:20 o'clock A.M.

May Plathum
County Clerk and Recorder

*20-20

File No. 16130T. 11 R. 16

DUPLICATE

County Fergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

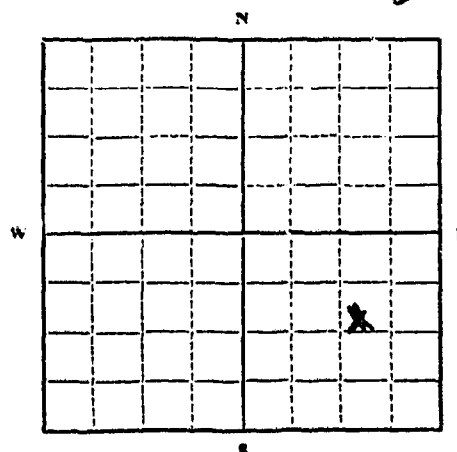
RECEIVED
NOV 6 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Erley Peterson, of Garnett
(Name of Appropriator) (Address) (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 $\frac{1}{4}$ SE Sec. 8 T. 11 R. 16

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 1950

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 Running Spring Box with 1/2" pipe from bottom

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

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 Surface Spring Box dug in ground about 4 ft hole about 20 x 20 ft

10. The estimated amount of groundwater withdrawn each year 2,627.00 gal

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

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

Signature of Owner Erley Peterson

Date 10-2-63

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.

16130

COPY

State of Montana, } ss.
County of Fergus.

Filed NOV 5 1963 19.

at 11:05 o'clock A. M.

My Rathbun
County Clerk and Recorder

\$200.00

File No. **16131**
DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—39089

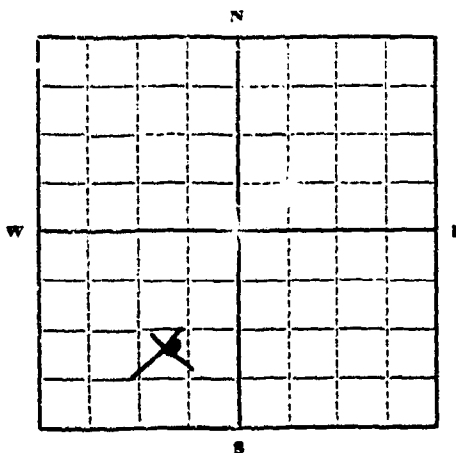
T. 11 R. 16
County Fergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED
NOV 6 1963

1. Erling Peterson, of Barnhill (Town)
(Name of Appropriator) (Address)
County of Fergus State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.E. 1/4 S.W. Sec. 9 T. 11. R. 16

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... 1915 continuous since
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 10 gals. 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... Gard & Garden 1/2 acre
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... Electric Pressure System
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... 6 ft
9. So far as it may be available, the type, size and depth of each well on the general specifications of any other works for the withdrawal of groundwater... 12 ft Deep 4 ft Diameter
10. The estimated amount of groundwater withdrawn each year... 500,000 gal
11. The log of formations encountered in the drilling of each well if available...
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 Erling Peterson
Date 10-9-63

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.

16131

COPY

State of Montana. } ss.
County of Fergus.

Filed NOV 5 1963 19
at 11:25 o'clock A. M.
Way Rathbun
County Clerk and Recorder

#2. ph

File No. **9659**T. **11** R. **16**

DUPLICATE

County **DEKALB**

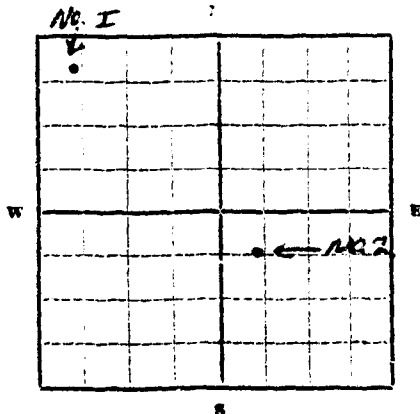
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. **BURTON T. RAW & FRANCES E. RAW** of **BOX 75** **CARNEILL**
(Name of Appropriator) (Address) (Town)

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



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 **used for stock water**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **On Well No. 1, June, 1943 and Well No. 2, June, 1951; use on both wells has been continuous**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **Well No. 1 - 5 gallons per minute from May 1 to Sept. 1 each year; Well No. 2 four gallons per minute year round**
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 **both wells pumped by 300 gallons per hour pump jack**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **Well No. 1, June, 1943 and Well No. 2, June 1951**
8. The depth of water table **Well No. 1, 83'; Well No. 2, 200'**
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 **Both wells have a pump jack with 6" casing; pumps on both wells are of 300 gallon per hour capacity; depth of Well No. 1, 83' and depth of Well No. 2, 200'**
10. The estimated amount of groundwater withdrawn each year **3,398,400**
11. The log of formations encountered in the drilling of each well if available **none 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 **unknown**

Burton T. Raw
Signature of Owner **Frances E. Raw**

Date **May 2, 1962**

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

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

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

9659

COPY

County of ...
Clerk of ...

Filed MAY 3 1962 10
at 3:30 P.M.
My Rother
County Clerk and Recorder

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