

16795

COPY

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

Filed DEC 13 1963
at 2:40 o'clock P.M.

Wm. G. Galt
County Clerk and Recorder

\$2.00 pt.

File No. 16794T. 14N R. 20E

DUPLICATE

County Fergus

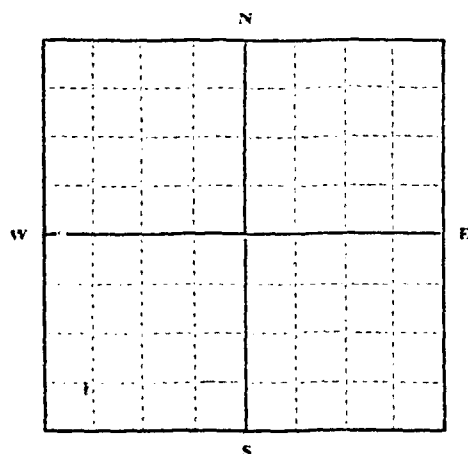
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. John P. & John J. Strunk, of Heath St., Rt. 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:



Sec. 29 T. 14N R. 20E

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

2. The beneficial use on which the claim is based Stock
water
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been 1932 and continuous
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 gravity
flow

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater
8. The depth of water table
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater
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 The estimated amount of groundwater withdrawn each year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

John J. Strunk
John P. Strunk
Date Dec 12, 1963

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

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

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

16794

COPY

State of Montana } ss.
County of Fergus }
Filed DEC 13 1963
at 2:40 o'clock P. M.
Way Plathun
County Clerk and Recorder
R 200 ph

File No. 1763

T. 12 R. 26

DUPLICATE

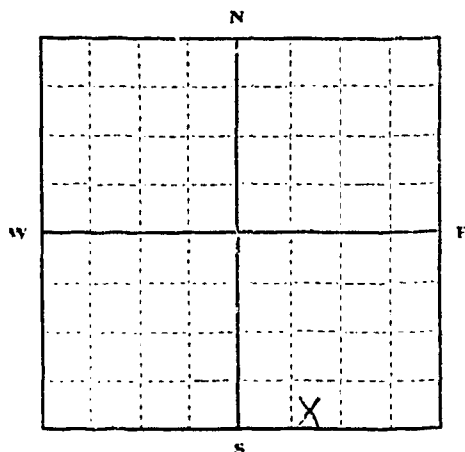
County: *Deer*

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. *George Vogt*, of *Heath*,
(Name of Appropriator) (Address) (Town)
County of *Deer* State of *Montana*
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 14 E. Sec. 18, T. 14 R. 26

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*

3. Date or approximate date of earliest beneficial use; and how continuous the use has been *July 1956*
Continuous

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *July 1956*

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 *Spring*

10. The estimated amount of groundwater withdrawn each year *1,000,000 gal.*

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

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

Signature of Owner *George Vogt*

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.

19086

17625

State of Montana. }
County of Fergus. }

COPY

Filed DEC 7 1963
at 11:15 o'clock P. M.
#22 Qd MAY RATHBUN
County Clerk and Recorder

GROUNDWATER INDEX

Page 1 of 1

County Fergus Twp. 14 N Rge. 21 E

[illegible]

12121

Approved Stock Form State Publishing Co. Helena, Montana—3467

File No.

T. R.

TRIPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

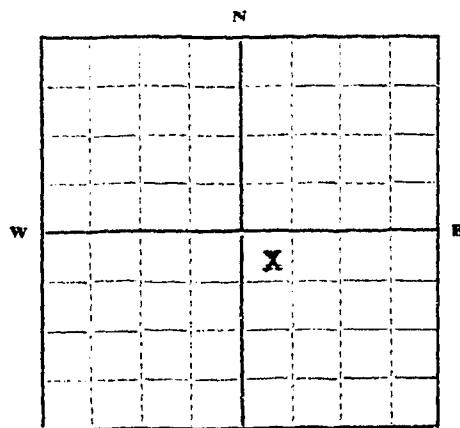
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED

STATE ENGINEER

1. JOHN F. BARTEL of P. RICE GROVE
(Name of Appropriator) (Address) (Town)
County of LEWIS & CLARK State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N. 1/4SE. Sec. 1. T. 14 R. 21

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.....
spring water for stock

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
700 gallon a 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.....
No irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
two well—one east from the house, 110 ft deep
one by the horse barn is 106 feet deep, drawn by buckets

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..... 110 and 106 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 110 ft. and 106 ft. Drawn by bucket

10. The estimated amount of groundwater withdrawn each year..... 15,000 gallons per 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.....
Purchased from Flinders and Behelmer Agency, Lewistown, Montana

Signature of Owner

John F. Bartel

Date November 28, 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.

12121

COPY

Filed NOV 29 1962
at 10:20 o'clock A.M.
May Ruthless
County Clerk and Recorder

8900
H. J. H.

File No.

T 14 R 21

DUPLICATE

County FERGUS

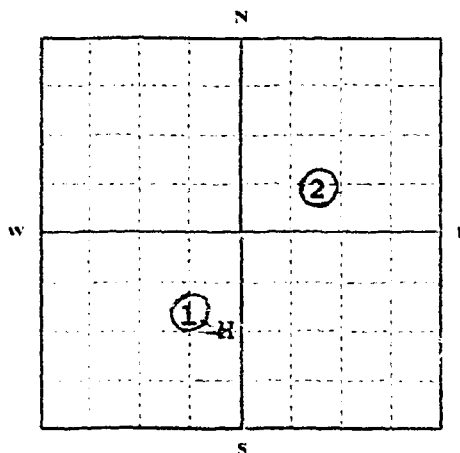
3

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

ELSIE EIKE, my Tenants in Common and
1. my predecessors in interest of FOREST GROVE
(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:



NW 1/4 Sec. 3 T. 14 R. 21

Indicate point of appropriation
and place of use, if possible. Each
small square represents ~~1/4~~ 2.5 Acres.

2. The beneficial use on which the claim is based. Well No. 1 - house water; Well No. 2 - stock water.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. No. 1 - 1915, No. 2 - 1914. Continuous use since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). No. 1 - 2 gallons per minute. No. 2 - 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 applicable.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. No. 1 - pressure water system piped to house; No. 2 - hand pump piped to stock troughs;
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. No. 1 - dug in the winter of 1914-1915; No. 2 - 1914.
8. The depth of water table. No. 1 - varies from 20 feet to the surface; No. 2 - usually at 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. No. 1 - 32 feet deep, 6 feet across, 5 feet of cement casing with cement top; natural rock below cement casing; pressure water system to house. No. 2 - 8 feet to 10 feet deep, boards upright for casing, with platform and pump.
10. The estimated amount of groundwater withdrawn each year. No. 1 - 73,000 gallons; No. 2 - 600,000 gallons
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

Elsie Eike

Date

NOVEMBER 20, 1969

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

100-873

48642

COPY

State of Montana, } ss.
County of Daniels

Filed _____ 1969
at 12:45 o'clock P. M.

\$200.00 *Mary Anthony*
County Clerk and Recorder

T. 14 R. 21 E. 3
County FERROS

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

X			

Owner Eike E. H. 1 Address Forest Grove
Driller WILLIAM MONSON DRIG. CO. Address Brass Range
Date Started First June Date Completed Last July
Location: Sec. 3 T. 14 R. 21 E $\frac{1}{4}$ sec. SW $\frac{1}{4}$ NW $\frac{1}{4}$

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

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

Casing: 0 ft. to 63 ft. Type 25 lb. steel Size 6" i.d. 6 $\frac{5}{8}$ o.d.
Casing: 0 ft. to 698 ft. Type STANDARD Size 4" i.d. 4 $\frac{1}{2}$ o.d.
Casing: 698 ft. to 858 ft. Type STANDARD Size 3" i.d. 3 $\frac{1}{2}$ o.d.

Perforated or Screened: Ft. 340 to ft. 452 Ft. _____ to ft. _____

Type of screen or perforations APPROVED

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

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

Pumping water level 100 feet at 2 $\frac{1}{2}$ gal. per min.

How tested: BAIER & PUMP

Length of test Adequate

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

SCREEN CEMENTED
CAVE CATCHER TYPE PACKERS @ 300

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	20	Dark stone
20	21	Dark
21	22	White sand
22	23	Dark
23	24	White sand
24	25	Dark shale
25	26	Dark shale, iron pyrites
26	27	Dark shale, iron pyrites
27	28	Dark shale
28	29	Dark shale (no pyrites)
29	30	Dark shale
30	31	Dark shale
31	32	Dark shale
32	33	Dark shale
33	34	Dark shale
34	35	Dark shale
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99	100	Dark shale

97856 Copy

11/15/55
DORIS L. MANE
County Clerk and Recorder
By my hand
1955

Owner James E. H. H.
Address Forest Hills, N. Y.
Location T. 12 N. R. 21 E. Sec. 3
Doc. No. 125528

49,876

Special Instructions:

Special Instructions: The attached form, when completed, of Groundwater Appropriation Statement will be introduced to be used for registration of springs, new irrigation ditches, etc. A well is defined as any artificial opening or excavation in the ground, however made, by which ground water can be obtained as though it flows under natural pressure, or is artificially withdrawn.

Therefore the enclosed form, Notice of completion of
underwater appraisals, in all cases of title, should be
filled in, made like ~~an affidavit~~ appraisals correct

developed apr. 1969, drilling No. 2 on Declaration
of Vested Groundwater Rights, dated 11.20.69,
Document No. 38092 in Office of Fergus
County Clerk & Recorder; SEE REVERSE SIDE
HEREOF

		2	
4	1		

NW 1/4 Sec. 3 T. 14 R. 21

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

1. Approximate location of deep well
2. Point of appropriation

- 2) Means of withdrawing water (gravity, pump, canal, etc.).....
Gravity & pump - see reverse side hereof
- 3) Depth of water table.....About 2' below surface
- 4) Use of the water.....Stock water and irrigation
- 5) Amount of groundwater claimed (in miner's inches, or gallons per minute).....10 gallons per minute
- 6) If used for irrigation, give number of acres and description of land.....About 20 Acres in S $\frac{1}{2}$ NW $\frac{1}{4}$ of Section 3, T. 14, R. 21
- 7) Estimate amount of water used each year.....1,200,000 gallons

Signature of Owner _____

Date.....FEBRUARY 15, 1972.....

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.

49,876

File No. _____

T. 14 R. 21

DUPLICATE

County FERGUS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

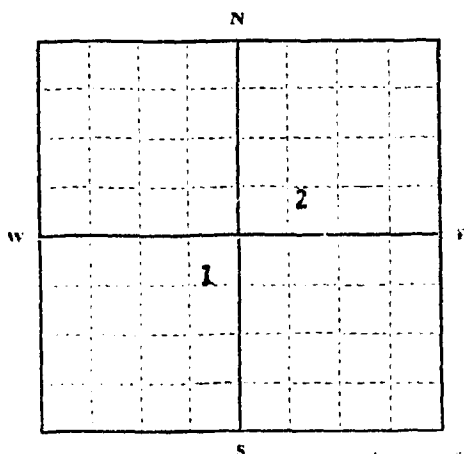
Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

OWNER: J. OSTEN EIKE for
himself, and for DONALD O.
EIKE, DAVID R. EIKE, ELRIC
O. EIKE & ELESIA WRIGHT

Originally 1914 & im-
proved 10.26.71

Date of Appropriation of Groundwater

Owner Address FOREST GROVE, MONT.Contractor (if any) LEW FLEECEAddress of Contractor 907 W. Watson
Lewistown, MontanaDate Started 10.10.71 Date Completed 10.26.71

NW 1/4 Sec. 3 T. 14 R. 21

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

1. Approximate location
of deep well
2. Point of appropriation

1) Describe means of obtaining groundwater (as by sub-irrigation,
developed spring, drains, etc.) New development of Well
No. 2 on Declaration
of Vested Groundwater Rights, dated 11.20.69,
Document No. 38092 in Office of Fergus
County Clerk & Recorder; SEE REVERSE SIDE
HEREOF

2) Means of withdrawing water (gravity, pump, canal, etc.)
Gravity & pump - see reverse side hereof

3) Depth of water table About 2' below surface

4) Use of the water Stock water and irrigation

5) Amount of groundwater claimed (in miner's inches, or gallons
per minute) 10 gallons per minute

6) If used for irrigation, give number of acres and description of
land About 20 Acres in S1/4NW1/4 of Section 3,
T. 14, R. 21

7) Estimate amount of water used each year 1,200,000
gallons

Doc. No. 45525
Filed for record
this 15 day of February
A. D. 19 72 at 4:45
o'clock P. M.

Signature of Owner Jahy P. EikeDate FEBRUARY 15, 1972

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.

49,876

Old well which was 8' - 10' deep has now been dug out and cleaned. A 36" culvert, 5' long, is installed vertically therein. Water from the old well collects therein, as well as surrounding water which is piped therein. From the culvert, water is piped about 20' to a 2000 gallon cistern, the overflow from which goes into a stockwater tank 10'x2'x3' about 20' away. The water is also piped out from the bottom of the cistern and, by electric pump, travels into pipe about 900' Southwesterly to another deep well and into the barnyard system and stockwater tanks therefrom.

COPY 45523

County of Montana,
County of Lewis
Filed ... FEB. 13. 1972
at ... 4:45 ... o'clock P.M.
Wm. R. Taylor
County Clerk and Recorder
#20 p2

County... **FERGUS**

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

J. OSTEN EIKE for himself and
for DONALD O. EIKE, DAVID
Owner R. EIKE, ERLIC O. EIKE For

Address & ELSA WRIGHT
FOREST GROVE

MONTANA

Date well started 10.10.71

completed 10.26.71

Type of well SEE REVERSE SIDE HEREOF

(Dug, driven, bored or drilled)

Equipment used SEE REVERSE SIDE HEREOF

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe SEE REVERSE SIDE HEREOF

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

To irrigate about 20 Acres in
S $\frac{1}{2}$ NW $\frac{1}{4}$ of Section 3, T. 14 N., R. 21 E.

ESTIMATED ANNUAL WITHDRAWAL 1,200,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
SEE REVERSE SIDE HEREOF						

Static water levelft.*
Pumping water levelft.*
atgallons per minute,
measuredminutes after pumping
began.

*Measured from ground level.

Well developed by ...
forhours.

Power..... Pump..... HP

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

X 1/4 Sec. ... **3**

T.....14. $\frac{N}{S}$ R.....21..... $\frac{E}{W}$

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

Driller's Signature **SEE REVERSE SIDE HEREOF**

NOT APPLICABLE

Driller's Address

NOT APPLICABLE

LICENSE NO.

Show exact depth of bottom

50,544

46788

COPY

State of Montana,
County of Fergus.
Filed
At 12:50 o'clock P.M.
JUN 7 1972
County Clerk and Recorder

This represents a new development of Well No. 2 on Declaration of Vested Groundwater Rights dated 11.20.69, Document No. 38092, in the Office of the Fergus County Clerk and Recorder. This was previously put on Notice of Completion of Groundwater Appropriation without well form and filed as Document No. 45525 on February 15, 1972, in the Office of the Clerk and Recorder of Fergus County, Montana, and is now placed on this form at the request of the State Department.

The old Well No. 2 on said Document No. 38092 was 8'-10' deep. This new development was done by LEW FLEECE of 907 West Watson, Lewistown, Montana, with a back hoe. He excavated the area surrounding the old well and a 36" culvert, 5 feet long, was installed vertically therein. Water from the old well collects therein, as does surrounding water which is piped therein with the aid of perforated tile. The area around the culvert was then back-filled and the culvert now protrudes approximately 6" above the ground and has a tin cover. From the culvert, the water is piped about 20 feet to a 2,000 gallon cistern, the overflow from which goes into a stock water tank 10' x 2' x 3', about 20 feet away. The water is also piped out from the bottom of the cistern and by electric pump travels through pipe about 900 feet Southwesterly to deep Well No. 1 on said Document No. 38092 and into the barnyard system and stock water tanks therefrom. Such water is also used in irrigating the 20 Acres described on the face hereof.

By reason of the foregoing, there is no log of this well and no well driller was used. From the surface to the 10 foot bottom, there is first soil, then it gets into sand and gravel. The water table is about 2 feet below the surface, the amount of water claimed is about 10 gallons per minute and it is withdrawn by gravity and pump, as aforesaid.

File No. 11828T. 14 R. 21 E

DUPLICATE

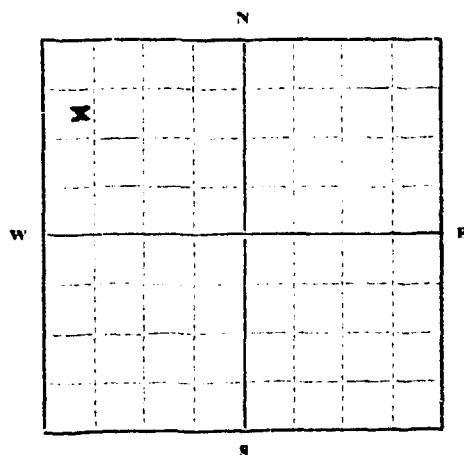
County Fergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elsie Eike ET AL of Forest Grove
(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 $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 3 T14 R 21E

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

2. The beneficial use on which the claim is based.....
Stock water
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been..... August 1, 1959
Used continuous
4. The amount of groundwater claimed (in miner's inches or gallons
per minute)..... 10 gal. per minute
5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
None
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal.....
Electric Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater..... June 1, 1959
July 31, 1959
8. The depth of water table 600 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..... Rotary drilled, 6 in. to 63 ft., 4 in. to
698 ft., 3 in. to 858 ft.
10. The estimated amount of groundwater withdrawn each year..... 300,000 gallons
11. The log of formations encountered in the drilling of each well if available.....
See attached sheet
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.....

Elsie Eike

Date.....

Nov 15 1962

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

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

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

11829

COPY

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

Filed..... NOV 15 1962 19
at 3.40 o'clock P. M.

May Rethman
County Clerk and Recorder

825-pt

File No. **19183**

DUPLICATE

T. **14** R. **21**County: **Yellowstone**

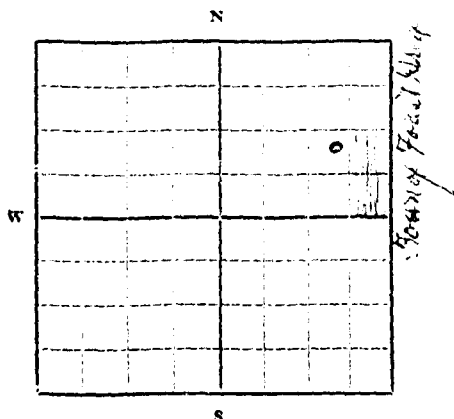
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. **Bob Smith** of **Forest Grove**
(Name of Appropriator) (Address) (Town)
County of **Yellowstone** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$ Sec. **8** T. **14** R. **21**

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, lawn and garden irrigation**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **This spring has been used for 4 years. I cleaned it out and put new equipment in. Approximately 15 ft long 12 ft wide and 4 ft deep. Put a tin roof over it.**
4. The amount of groundwater claimed (in miner's inches or 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 **It is piped to house and garden**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **Started work on spring Oct 5, 1955. Finished Oct 15, 1955**
8. The depth of water table **In spring of year it overflows and rest of time has 3 or 4 ft of water**
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

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.

10183

COPY

County of Kings
JUN 15 1962
11:50
May Rathen
County Clerk and Recorder

20-pts

G

File No.

16809

DUPLICATE

Approved State Engineer, State of Montana, Helena, Montana, 44-21

T 14 R 21

County FERGUS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 17 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

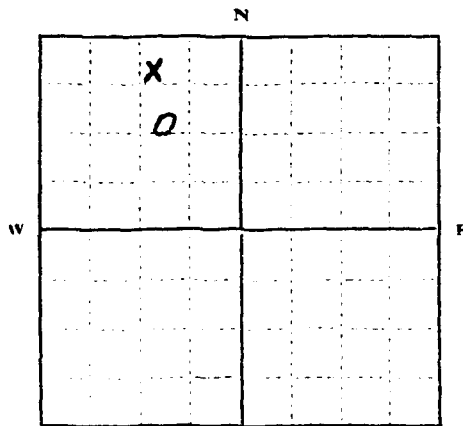
1. GLADYS M. GLAUSER, of FOREST GROVE
(Name of Appropriator) (Address) (Town)

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 NW 1/4 8 T. 14 R. 21

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

(X) STOCK WATER SPRING

3. Date or approximate date of earliest beneficial use, and how continuous the use has been 1923 TO 1931

PERIODICALLY UNTIL 1940

4. The amount of groundwater claimed (in miner's inches or gallons per minute) APPROX. 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 STOCK WATER USE ONLY

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater DEVELOPED WHEN WE MOVED ONTO PLACE.

8. The depth of water table APPROX. 4 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 (0) SHALLOW WELL (APPROX. 20 FT.) FOR HOUSE USE. WITHDRAWN BY MEANS OF SMALL PITCHER PUMP.

10. The estimated amount of groundwater withdrawn each year (APPROX) HOUSE USE 7500 GALLONS STOCK USE 14,600 GALLONS

11. The log of formations encountered in the drilling of each well if available NO KNOWLEDGE AS TO THIS QUESTION.

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 HAVE NO INFORMATION OF ANY COUNTY RECORDS.

Signature of Owner

Gladys M. Glauser

Date DEC-14-1963

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

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

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

9661

15809

COPY

State of Montana, } ss.
County of Fergus }

Filed DEC 16 1963 19
at 12:50 o'clock P.M.
Mary Harkness
County Clerk and Recorder

* 200 - pt .

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File No.

DUPLICATE

Approved State Engineer State of Montana, Helena, Montana, June 2, 1964

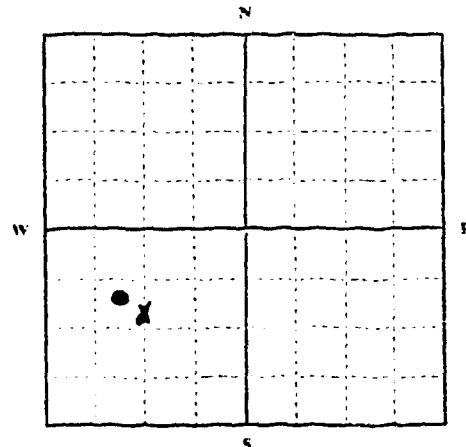
T. 14 R. 21
County FergusSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Richard W. Burch of Forest Grove
 (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:



NW 1/4 Sec. 9, T. 14 R. 21

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
stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 1900
at all times
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 gal per min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pit pump
and hand pump plus spring
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1st well June 1900, 1956
been there Spring always
8. The depth of water table 60 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 1-5" well 110'
1-4" well 59'
spring - full flow
10. The estimated amount of groundwater withdrawn each year 250,000 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

Richard W. Burch

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

17318

17392

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

COPY

Filed DEC 30 1863 19

at 2:45 o'clock P.M.

\$2.00
P. O. MAY RATHBUN
County Clerk and Recorder

G

File No.

16808

DUPLICATE

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

T 14 R 21

County FERGUS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

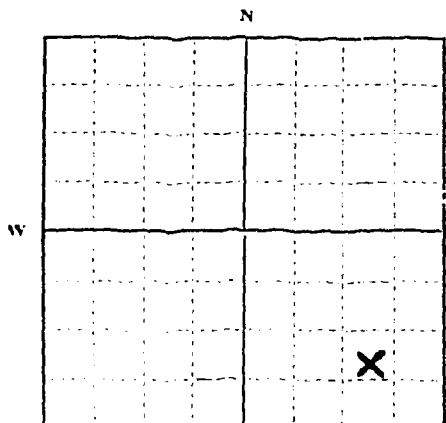
RECEIVED
JUL 17 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. ED J. GLAUSER, of FOREST GROVE
(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:



SE 1/4 Sec 4 T. 14 R. 21

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
(X) STOCK WATER SPRING
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1933 BEEN USED EVER SINCE.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) APPROX. 2 GALLON PER MINUTE (DURING WET SEASON)
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
STOCK WATER USE ONLY
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
GRAVITY FLOW.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater DEVELOPED WHEN I ACQUIRED THE PLACE. 1933
8. The depth of water table APPROX. 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 NONE.
10. The estimated amount of groundwater withdrawn each year APPROX. 65,000 GAL.
11. The log of formations encountered in the drilling of each well if available NO KNOWLEDGE. AS TO THIS QUESTION (NO WELLS DRILLED)
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 HAVE NO INFORMATION OF ANY COUNTY RECORDS.

Signature of Owner

Date DEC 14-1963

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

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

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

16808

COPY

State of Montana, } ss.
County of Fergus, }
Filed DEC 16 1963 19
at 12:50 o'clock P.M.
Way Rothman
County Clerk and Recorder

20-10

T. 14 R. 21 33

County: ~~Butte~~ ~~Deer~~ ~~Golden~~ ~~Liberty~~ ~~Richmond~~ ~~Silver~~ ~~Stillwater~~ ~~Yellowstone~~

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

		X	

Owner: Stan Lankutis Address: 616 W Evelyn
Lewistown, Mont.

Driller: K. Misamore Address: Heath, Mont.

Date Started: Oct. 28, 1960 Date Completed: Nov. 2, 1960

Location: Sec. 33 T. 14 R. 21 E 1/4 sec. NW 1 NE 1 Sec. 33

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

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

Casing: 0 ft. to 40 ft. Type: Blk. 22lb. Size: 6 5/8"

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: 30 feet.

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

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

How tested: Water Bail Test

Length of test: 1 Hour

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

(over)

Log of Well

[illegible]

6/20/21

Young Davidson
Edward Litch and Keorder

10:40, 8:11

1960 1961

1950

5

[Illegible text]

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5. *Discussion*

6. *Conclusion*

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1. *Introduction*

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GROUNDWATER INDEX

Page 1 of 1

County Harney Twp. 14 N Rge. 22 E

[illegible]

File No. **10698**

DUPLICATE

T. R.

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

**Notice of Completion of Groundwater
Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level.)

0 2 Topsoil
2 10 Sandy Clay
10 30 Red clay and Boulders
30 50 Red sandy rock Water
50 80 Yellow rock Water

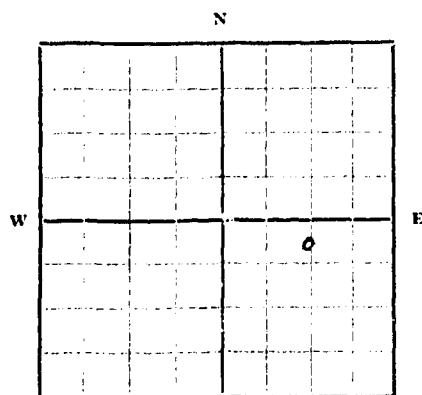
Owner **Don Ayers** Address **Grass Range, Montana**Driller **George O. Singlay** Address **Lewistown, Montana**Date of Notice of Appropriation of Groundwater **None**Date well started **July 3, 1962** Date Completed **July 4, 1962**

Type of well **Drilled** Equipment Used **Cable Tool**
(dug, driven, bored or (Churn, drill, rotary or
drilled) 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)
5-3/16	4 7#	Above Ground 2'	80	Slots 2"	20	80

NW 1/4 Sec. **3** T. **14** R. **22**

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

Show exact depth of bottom.

Static Water Level for non-flowing Well **5** feet.

Shut-in Pressure for Flowing Well

Pumping Water Level **40** feet at **5** gal. per minute.

Discharge in gal. per min. of flowing well

How Tested **Bailing** Length of Test **1 hr.**

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

acres irrigated, if used for irrigation)

Rubber cave cutters set.

#19

Driller's License Number

Driller's Signature

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

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

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

1966

10698

COPY

State of Michigan }
County of Wayne }

AUG 13 1962

Paid

at 1.40

of Clerk P. H.

Wray Rathbun
County Clerk and Recorder

\$2.00 per

Form No. 18
8-60

20

T. 14 R. 22
County FERGUS

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

Owner MONTIMER BROOKS ESTATE Address GRASS RANGE
Driller J. E. KUMMEL Address ROUNDUP MOUNT
Date Started 10-8-61 Date Completed 12-11-61
Location: Sec. 26 T. 14 R. 22 $\frac{1}{4}$ 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 54 ft. Type 2" GALV Size 6"

Casing: 0 ft. to 29 ft. Type 20" PER Size 8"

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

Perforated or Screened: Ft. 23 to ft. 29 . Ft. 48 to ft. 54

Type of screen or perforations FABRIC SCREEN

Static water level, for non-flowing well: 14 feet.

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

Pumping water level 25 feet at 30⁺ gal. per min.

How tested: GALLER

Length of test 1 HR

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

(over)

Log of Well

[illegible]

7363

File No. **16865**T **14 N** R **22 E**

DUPLICATE

County **Fergus**

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

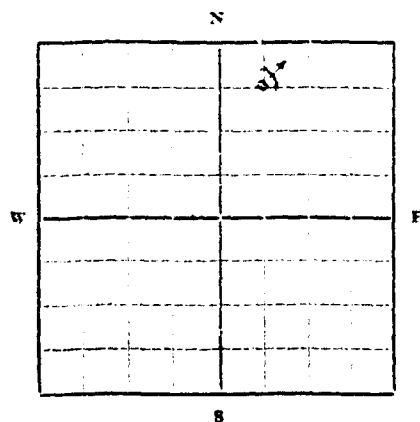
RECEIVED
DEC 23 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. **Bureau of Land Management** of **Drewes 699** **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:



NW 1/4, Sec. 2, T. 14N 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 **for livestock water**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **1940 to present**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **All**
(3? 1/2? Gal/min.)
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof **N/A**
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **gravity flow to rock and cement catch basin**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **1940**
8. The depth of water table **surface discharge**
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater **gravity flow from surface discharge to a 6' x 5' x 5' rock and cement catch basin with 270' steel pipe to 8' x 2' circular metal tank**
10. The estimated amount of groundwater withdrawn each year **1,500,000 gals.?** **250,000 gals.?**
11. The log of formations encountered in the drilling of each well if available **surface discharge from Kaotenai formation, surface elevation approximately 3900'**
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

District Manager

Date **December 12, 1963**

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

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

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

1341

16865

COPY

State of Montana, ss.
County of Lewis & Clark.

DEC 18 1963

Filed _____ 19____

at 2:00 o'clock P. M.

May Rathbun
County Clerk and Recorder

#2-10

Form No. 18
8-60

T. 14 R. 22
County Farago

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

Water Well Log

	X		

Owner Robert Flaherty Address Bozeman, Montana

Driller W.L. Livingston State Address Winnett, Montana

Date Started Sept. 25, 1961 Date Completed Oct. 7, 1961

Location: Sec. 11 T. 14 R. 22 $\frac{1}{4}$ sec. SE 4 NW 4

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

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

Casing: 0 ft. to 385 ft. Type T & C Size 4 1/2" O. D.

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

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

Perforated or Screened: Ft. 294 to ft. 390. Ft. _____ to ft. _____

Type of screen or perforations Slot

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: Well flowing 6 gal. per min.

Length of test _____

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

Larkin Casing Anchor anchor set at 250 to 261 ft.

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	13	Sandy clay
13	15	Gravel
13	22	Sandy red clay
22	45	Sand and pea gravel
45	52	Grey clay
52	61	Black shale
61	64	Clay
64	105	Hard rock with streaks of shale and clay
105	110	Black shale
110	146	Grey shale, clay and rock
146	154	Red shale and clay
154	203	Red and grey shale and clay
203	207	Hard rock
207	236	Various colored shale and sandstone and fossils
236	257	Grey shale and sandstone
257	261	Hard limestone and fossils
261	290	Limestone and shale
290	328	Sandstone and shale (Swift)
328	388	Medium hard sandstone (Swift)
388	390	Shale

7262
 OCT 30 1961
 3:30
 9:00 PM
 Gandy Clerk and Receiver
 J. B. Gandy

RECEIVED

T. 14 R. 22 12
County: Frederick

MONTANA BUREAU OF MINES AND GEOLOGY
STATE ENGINEER Butte, Montana

WATER WELL LOG

Owner: Mr. H. H. H. H. Address: ...
Driller: ... Address: ...
Date Started: ... Date Completed: ...
Location: Sec. 12 T. 14 R. 22 1/4 sec. N2E 1/4

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

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

Above ground casing: ... ft. to 70 ft. Type: ... Size: 4" I.D.

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: 9 lb. sq. in. on: ... to ... (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)

Packer set to 60' on gravel with 1.5" or etc

(over)

RECEIVED
MAR 12 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

T. 14 R. 22
County Fergus

WATER WELL LOG

X			

Owner Mrs. Mary Rolle Address Grace, Montana
Driller George O. Singley Address Lewistown, Montana
Date Started February 17, 1958 Date Completed February 25, 1958
Location: Sec. 12 T. 14 R. 22 1/4 sec. NE 1/4 NW

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

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

Above ground 2 ft. to 78 ft. Type S & S Size 4" I.D.

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: 9 lb./sq. in. on Feb. 22 to 23, 1958 (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)

Packer set at 60' Cemented with 14 sand

(over)

Log of Well

[illegible]

9/15/3

State of Montana, } ss.
County of Rosebud,

File

12:05 P

County Clerk and Recorder

posed

Log of Well

[illegible]

9153

State of Montana. } ss.
County of Beaver. }

5

113

19-1

1

5

10

County Clerk and Recorder

50d9

GROUNDWATER INDEX

Page 1 of 1

County Fergus Twp. 14 N Rge. 33 E

[illegible]

File No.

17417

T 14 R 23

DUPLICATE

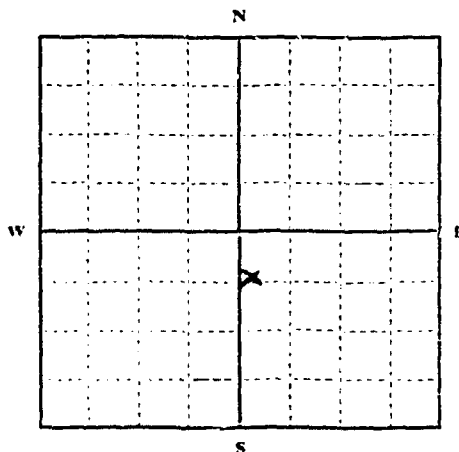
County *Big Horn*

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. *Robert F. Lehman*, of *Grace Range*
(Name of Appropriator) (Address) (Town)
County of *Big Horn* State of *Montana*
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 1/4 Sec. 1, T. 14 R. 23

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

2. The beneficial use on which the claim is based *Stock water*
3. Date or approximate date of earliest beneficial use; and how continuous the use has been *1960 - constant*
4. The amount of groundwater claimed (in miner's inches or gallons per minute) *16 gal per min.*
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal *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
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 *all that flows*
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

Robert F. Lehman
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.

17335

17417

State of Montana } ss.
County of Lewis & Clark }

COPY

Filed DEC 30 1983 15

at 4:10 o'clock P.M.

\$2.00 P. J. MAY RATHBUN
County Clerk and Recorder

File No. 16645

T. 14 R. 22

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)

E. J. ...
DEC 1963
nts
STATE ENGINEER

1. Calvin Wayne &/or Mildred M. Myers, of box 157, 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:

Sec 3 2 14 25

[illegible]

..... $\frac{1}{4}$ Sec. 3... T... ~~14~~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 General home use
and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been...well drilled Dec 1952
used spring since 1950

4. The amount of groundwater claimed (in miner's inches or gallons per minute). Well 2 1/2 gal per min. No 1 spring 10 gal. No 2 is 3 gal per min. and no 3 is a trickle steady

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.....
 well is artesian the pumped to house
 No irrigation, just stock water

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Well used Jan 1951. One spring fall of 1952 other 2 in 1958

8. The depth of water table. Well drilled 670 feet 4 in casing
One spring has 2 in pipe others 1 in pipe

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 7,884,000 gallons

11. The log of formations encountered in the drilling of each well if available.....first oat creek sands 123 ft
red beds 170 feet 2nd oat creek sands 285 ft, 3rd oat creek sands giving water at 650 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. None

Signature of Owner

Date _____

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

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

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

16645

COPY

State of Maryland } ss.
County of Prince George's }

Filed DEC 6 1953 19

at 1:55 o'clock P.M.
Mary Plathner
County Clerk and Recorder

200-20

File No.

T. 14 R. 23

DUPLICATE

County Fergus

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

(Under Chapter 237, Montana Session Laws, 1961)

SEE ATTACHED
SHEET FOR LOG

Owner Blaine Woodard Address Grass Range, Mont.Driller Munson Drilling Co. Address Grass Range, Mont.Date of Notice of Appropriation of Groundwater Not applicableDate well started 5/19/65 Date Completed 5/30/65

STATE WATER CONSERVATION BOARD

RECEIVED
SEP 3 1965

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

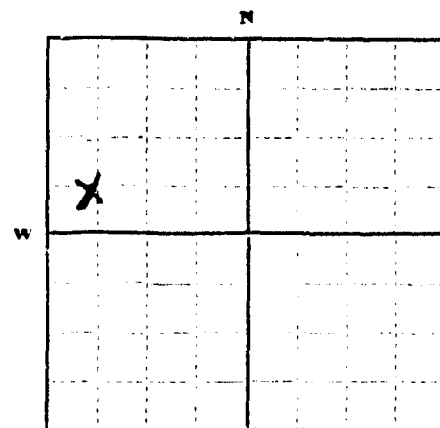
Equipment Used Rotary
(Churn, drill, rotary or
other)

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

APPROVED TO:

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4 7/8		0	42			
5 7/8	6 5/8 O.D.	0	42	cemented	0	42
		42	246			
4 1/2	4 1/2 O.D.	0	246	cemented	0	246
3 7/8	2 O.D.	246	394			
		226	394	packer set	370	
				perforated	372	392



SW 1/4 Sec. 3, T14, R. 23.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

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

Shut-in Pressure for Flowing Well... approx. 60 #

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

Discharge in gal. per min. of flowing well 10 3/4

How Tested... Length of Test...

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

acres irrigated, if used for irrigation) 6 5/8 O.D.

cemented from 0 to 42'. Then the 4 1/2 O.D.

was cemented from 0 to 246'. 2" O.D. was set

from 226' to 394' and a packer was set at 370

with perforation 26 Driller's License Number

from 372 to 392

B. M. Munson
Driller's Signature

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

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

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

23879

COPY

State of Montana } ss.
County of Fergus }

Filed SEP 2 1965 19
at 2:10 o'clock P.M.
May Rathin
County Clerk and Recorder
B200 pss

LOG OF
Blaine I. Woodard SW 1/4 NW 1/4 Sec. 3 T14N
Well began Aug 19 - completed Aug 30 - 1965

0-19 Surface Soil
19-20 Washed Sand
20-31 Gravel and Sand Streaks
31-35 Gravel
35-42 Silt
42-60 Sand Rock
60-70 Tite Sand
70-80 Pourous Sand (Lost Circulation)
80-90 Black and Red Shales and Red clay
90-100 Grey Sand and Red Clay Streaks
100-110 Limey Sand
110-120 Hard Limey Sand with Water Indication
120-130 Medium Sand (Cap Rock)
130-140 Red Clay Streaks-Hard Sand-Chert
140-150 Hard Limey Sand (Cap Rock)
150-160 Grey Sand-Medium Porosity
160-170 Hard Sand-chert-Red Clay Streaks
170-180 Grey Sand-chert-Red Clay Streaks
180-190 Red Clay Streaks-Red Clay Streaks

LOG OF

Blaine I. Woodard SW⁴ NW⁴ S.e.c. 3 T14 R23
Well began Aug 19 - completed Aug 30 - 1965 - Fergus County.

0-19 Surface Soil
19-26 Washed Sand
26-31 Gravel and Sand Streaks
31-35 Gravel
35-42 Silt
37-42 Sand Rock
42-60 Tite Sand
60-76 Pourous Sand (Lost Circulation)
76-160 Black and Red Shales and Red clay
160-170 Grey Sand Silty
170-203 Limey Sand And Red Clay Streaks
203-206 Hard Limey Sand
206-224 Medium Sand with Water Indication
224-241 Red Clay Streaks-Hard Sand- Chert
241-246 Hard Limey Sand (Cap Rock)
246-272 Grey Sand-Medium Porosity (Well Flowed 2 3/4 Gal./Min.)
272-296 Sandy Lime-chert- Red Clay Streaks
296-302 Streaks of Sandy Shales-Red Shales-Chert
302-315 Hard Sandy Lme and Chert
315-323 Chert-Streaks of Bentontonic Sand
323-340 Betontonic Sand And Green and Red Shale streaks
340-344 Hard Sand
344-358 Chert and Fine Grained Limey Sand
358-360 Bentonitnic Sand and Silt
360-366 Silty Bentonitnic Sand
366-368 Silty Greyish Sand
368-372 Fine Sugar Sand
372-386 Salt and Pepper Sand
386-393 Black colored Sand (8 gal water flowed per./min.)
393-394 Mucky Sand and some Carboniferous specks

STATE WATER CONSERVATION BOARD
RECEIVED
SEP 3 1965
REFERRED TO _____

TOTAL FLOW 10 3/4 gal/per./min.

File No.

DUPLICATE

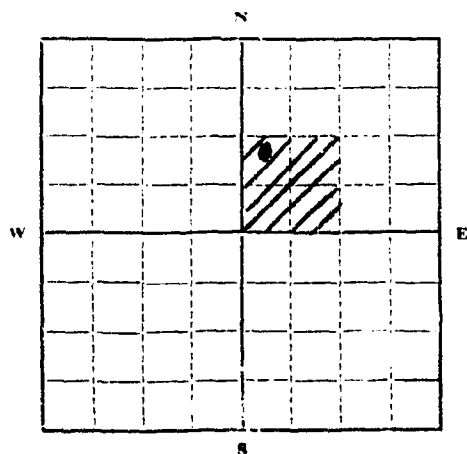
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 14N R. 23E
County FERGUSRECEIVED
AUG 23 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. **BLAINE I. WOODARD** 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 Sec. 4 T. 14N R. 23E

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

2. The beneficial use on which the claim is based.....
Stock watering and household use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
Fall of 1961 and in continuous use ever since
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
40 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.....
See question No. 2
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Artesian flowing wells
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
See question No. 3
8. The depth of water table.....
3-7 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.....
3 1/2" casing to the water table with artesian flow
10. The estimated amount of groundwater withdrawn each year.....
Continuous artesian flow
11. The log of formations encountered in the drilling of each well if available.....
The legal information required by the State is on file in Helena.
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 August 21, 1963

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

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

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

15251

COPY

State of Montana, }
County of Fergus, }

Filed AUG 22 1963 19
at 10:00 o'clock A.M.
W. J. [Signature]
County Clerk and Recorder
200-*pr*

File No. 15202T. 14N R. 23E

DUPLICATE

County FERGUS

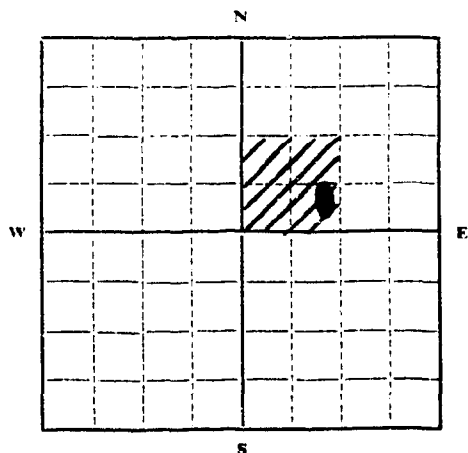
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 23 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. ELAINE I. WOODARD, 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 $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5 T. 14N R. 23E

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

2. The beneficial use on which the claim is based.....
Stock watering and household use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
July 17, 1950 and in continuous use ever since
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
40 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.....
See question No. 2
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Artesian flowing wells
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
See question No. 3
8. The depth of water table..... 350 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.....
3 1/2" casing to the water table with artesian flow
10. The estimated amount of groundwater withdrawn each year..... Continuous artesian flow
11. The log of formations encountered in the drilling of each well if available.....
The legal information required by the State is on file in Helena
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

Elaine I. Woodard

Date August 21, 1963

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

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

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

15262

COPY

State of Montana, } ss.
County of Pergus.

Filed AUG 22 1963 19
at 10:00 o'clock P. M.

Way Rathbun
County Clerk and Recorder

*20-1

T. 14 R. 23 7
County Big Horn

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Mr. J. J. Poole Address Grange, Mont.
Driller George L. Taylor Address Leidstown, Mont.
Date Started July 15, 1959 Date Completed July 23, 1959
Location: Sec. 7 T. 14 R. 23 $\frac{1}{4}$ sec. SE 1/4

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

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Above ground Casing: 2 ft. to 78 ft. Type 2 & 2 Size 5 3/16" ID

Casing: 77 ft. to 210 ft. Type 3 & 3 Size 4 1/2" ID

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 120 to ft. 140 Ft. 137 to ft. 210

Type of screen or perforations Slot

Static Water level, for non-flowing well: 120 feet.

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

Pumping water level: 135 feet at 5 gal. per min.

How tested: drilling

Length of test: 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
late catchers set above perforations

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	1	Topsoil
1	13	Yellow clay sand and boulders
13	50	Red clay
50	72	White clay
72	76	Hard rock white
76	85	White shale
85	90	Red shale
90	110	Red rock
110	117	White rock
117	140	Sandstone trickle of water
140	145	Red shale
145	160	Brown rock
160	167	Red shale
167	185	Hard pink rock
185	187	White rock
187	210	Sandstone water

12:00
 FEB 12 1960
 JOHN L. MANE
 County Clerk and Recorder
 By *My Deputy*
 4/1-2/60

COM

24570

COPY

State of Montana } ss.
County of Fergus }

Filed NOV 19 1965

at 10:20 o'clock A.M.

Larry Plattner
County Clerk and Recorder

2-12-65

Form No. 18
8-60

T. 10 R. 23
County ...

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner ... Address ...
Driller ... Address ...
Date Started ... Date Completed ...
Location: Sec. 15 T. ... R. 23 $\frac{1}{4}$ sec. 51 1/2 54 1/2

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

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

Casing: ... ft. to 100 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: 25 feet.

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

Pumping water level 270 feet at 1 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

Depth, feet		Description of Material Drilled
From	To	
0	1	Surface
1	1.5	Black sand
1.5	1.8	Black sand
1.8	2.0	Black sand
2.0	2.5	Black sand
2.5	3.0	Black sand
3.0	3.5	Black sand
3.5	4.0	Black sand
4.0	4.5	Black sand
4.5	5.0	Black sand
5.0	5.5	Black sand
5.5	6.0	Black sand
6.0	6.5	Black sand
6.5	7.0	Black sand
7.0	7.5	Black sand
7.5	8.0	Black sand
8.0	8.5	Black sand
8.5	9.0	Black sand
9.0	9.5	Black sand
9.5	10.0	Black sand
10.0	10.5	Black sand
10.5	11.0	Black sand
11.0	11.5	Black sand
11.5	12.0	Black sand
12.0	12.5	Black sand
12.5	13.0	Black sand
13.0	13.5	Black sand
13.5	14.0	Black sand
14.0	14.5	Black sand
14.5	15.0	Black sand
15.0	15.5	Black sand
15.5	16.0	Black sand
16.0	16.5	Black sand
16.5	17.0	Black sand
17.0	17.5	Black sand
17.5	18.0	Black sand
18.0	18.5	Black sand
18.5	19.0	Black sand
19.0	19.5	Black sand
19.5	20.0	Black sand
20.0	20.5	Black sand
20.5	21.0	Black sand
21.0	21.5	Black sand
21.5	22.0	Black sand
22.0	22.5	Black sand
22.5	23.0	Black sand
23.0	23.5	Black sand
23.5	24.0	Black sand
24.0	24.5	Black sand
24.5	25.0	Black sand
25.0	25.5	Black sand
25.5	26.0	Black sand
26.0	26.5	Black sand
26.5	27.0	Black sand
27.0	27.5	Black sand
27.5	28.0	Black sand
28.0	28.5	Black sand
28.5	29.0	Black sand
29.0	29.5	Black sand
29.5	30.0	Black sand
30.0	30.5	Black sand
30.5	31.0	Black sand
31.0	31.5	Black sand
31.5	32.0	Black sand
32.0	32.5	Black sand
32.5	33.0	Black sand
33.0	33.5	Black sand
33.5	34.0	Black sand
34.0	34.5	Black sand
34.5	35.0	Black sand
35.0	35.5	Black sand
35.5	36.0	Black sand
36.0	36.5	Black sand
36.5	37.0	Black sand
37.0	37.5	Black sand
37.5	38.0	Black sand
38.0	38.5	Black sand
38.5	39.0	Black sand
39.0	39.5	Black sand
39.5	40.0	Black sand
40.0	40.5	Black sand
40.5	41.0	Black sand
41.0	41.5	Black sand
41.5	42.0	Black sand
42.0	42.5	Black sand
42.5	43.0	Black sand
43.0	43.5	Black sand
43.5	44.0	Black sand
44.0	44.5	Black sand
44.5	45.0	Black sand
45.0	45.5	Black sand
45.5	46.0	Black sand
46.0	46.5	Black sand
46.5	47.0	Black sand
47.0	47.5	Black sand
47.5	48.0	Black sand
48.0	48.5	Black sand
48.5	49.0	Black sand
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49.5	50.0	Black sand
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67.5	68.0	Black sand
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79.5	80.0	Black sand
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80.5	81.0	Black sand
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81.5	82.0	Black sand
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82.5	83.0	Black sand
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83.5	84.0	Black sand
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84.5	85.0	Black sand
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85.5	86.0	Black sand
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86.5	87.0	Black sand
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87.5	88.0	Black sand
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88.5	89.0	Black sand
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89.5	90.0	Black sand
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92.5	93.0	Black sand
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98.5	99.0	Black sand
99.0	99.5	Black sand
99.5	100.0	Black sand