GROUNDWATER INDEX



County [illegible] Twp. [illegible] Rge. 18E

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|---|---|---|---|---|
| 1 | Kaufman, Lucile | U N 4 | 9799 | |
| 1 | Kaufman, Lucile | U N 4 | 9752 | |
| 1 | McDonald, J. C. | U N 2 | 16962 | |
| 3 | Seifert, Kenneth | Water Well Log | 95344 | |
| 4 | Lieck, J. F. (Orch.) | U N 2 | 45630 | |
| 5 | Carmichael, D. L. | U N 2 | 18300 | |
| 6 | Rainard, Sheldon | U N 4 | 17505 | |
| 7 | Mealy, William | U N 2 | 50134 | |
| 9 | Anderson Cooperative Assn | U N 4 | 17035 | |
| 9 | Bachman, Paul J. | Water Well Log | 91715 | |
| 9 | Cline, Carl R. | U N 2 | 32118 | |
| 9 | Conrad, Elmer H. | U N 4 | 17068 | |
| 9 | Damschen, Floyd B. | U N 4 | 17067 | |
| 9 | Duffy, David | U N 2 | 18566 | |
| 9 | Ewell, Bert | U N 2 | 36667 | |
| 9 | Hartford, Lester | U N 2 | 39030 | |
| 9 | Hornseth, Louis | Water Well Log | 27955 | |
| 9 | Jeffery, Earl L. | U N 4 | 16995 | |
| 9 | Kilgore, Dave | U N 2 | 39539 | |
| 9 | Lewerenz, Charles | Water Well Log | 95246 | |
| 9 | Mc Frank Peterson | U N 2 | 14741 | |
| 9 | Shepler, John | U N 2 | 33583 | |
| 9 | Singley, George E. | Water Well Log | 8045 | |
| 9 | Taylor, J. H. | U N 4 | 16602 | |
| 9 | Thelsman, George R. | Water Well Log | 92171 | |
| 9 | Von Lindern, Carl | Water Well Log | 95245 | |
| 9 | Von Lindern, Carl | U N 4 | 13288 | |
| 9 | Woods, Barnet Joyce Administratrix of Columbus T. Woods Estate | U N 4 | 17815 | |
| 9 | Zehnder, Carl | U N 2 | 17355 | |
| 10 | Ferguson County Fairgrounds | U N 2 | 24060 | |
| 10 | Moeller, George L. | U N 4 | 17227 | |
| 10 | Moeller, George L. | U N 4 | 17238 | |
| 10 | Moeller, Rose | U N 4 | 17281 | |
| 11 | Bishop, Darrell L. | U N 4 | 17622 | |
| 11 | Bowman, Elbert M. | U N 4 | 17032 | |
| 11 | Crawley, Gertrude B. | U N 4 | 15047 | |
| 11 | Hostetler, Earl Ernest | U N 4 | 17649 | |
| 11 | Kelsay, Irma | U N 4 | 17136 | |
| 11 | McDonald, J. C. | U N 4 | 16944 | |
| 11 | McDonald, J. C. | U N 4 | 16943 | |
| 11 | McDonald, J. C. | U N 4 | 16961 | |
| 11 | McDonald, J. C. | U N 4 | 16960 | |
| 11 | McDonald, J. C. | U N 2 | 16942 | |
| 11 | McDonald, Rita | Water Well Log | 88175 | |

GROUNDWATER INDEX

County [illegible] Twp. [illegible] Rge. 18E

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|---|---|---|---|---|
| 1 | Keisling, [illegible] | 4 N 4 | 9799 | |
| 1 | Keisling, [illegible] | 4 N 4 | 17552 | |
| 1 | McDonald [illegible] | 4 N 3 | 16962 | |
| 3 | [illegible], Kenneth | Water Well Log | 95244 | |
| 4 | [illegible] (Circle) | 4 N 2 | 45630 | |
| 5 | Carmichael, [illegible] | 4 N 2 | 18200 | |
| 6 | Rawlins, Sheldon | 4 N 4 | 17505 | |
| 7 | Mosby, William | 4 N 2 | 50134 | |
| 9 | Anderson Bryant Trust | 4 N 4 | 17035 | |
| 9 | Bachman, Paul J. | Water Well Log | 91715 | |
| 9 | Cissna, Earl R. | 4 N 2 | 32118 | |
| 9 | Conrad, Theo. H. | 4 N 4 | 17068 | |
| 9 | Lamacher, Floyd A. | 4 N 4 | 17067 | |
| 9 | Ruffy, David | 4 N 2 | 18566 | |
| 9 | [illegible] | [illegible] | [illegible] | |

GROUNDWATER INDEX

Page ___ of ___

County Fergus Twp. 15 N Rge. 18E

Added after index was made

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|---|---|---|---|---|
| 9 | Hanmon, Ray | GW-4 | 17018 | |
| 9 | Hartford, Lester H | 4 | 16991 | |
| 9 | Lehman, Albert | 4 | 17195 | |
| 9 | Munski, William | 4 | 17580 | |
| 9 | Phillips Petroleum | 4 | 17248 | |
| 9 | Rindal, Donald A. | 4 | 17250 | |
| 9 | Sawyer, Norman | Well log | 5256 | |
| 9 | Turner, Lane H. | GW 4 | 17249 | |
| 11 | McDonald Bill | Water Well Log | 88175 | |

County _____ Twp. _____ Rge. 18

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|---|---|---|---|---|
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 13 | [illegible] | [illegible] | 16236 | |
| 13 | [illegible] | [illegible] | 19393 | |
| 13 | [illegible] | [illegible] | [illegible] | |
| 14 | [illegible] | [illegible] | 17347 | |
| 14 | [illegible] | [illegible] | 33281 | |
| 14 | [illegible] | [illegible] | 11444 | |
| 14 | [illegible] | [illegible] | 15393 | |
| 14 | [illegible] | [illegible] | 17123 | |
| 14 | [illegible] | [illegible] | 35501 | |
| 14 | [illegible] | Not Well Log | 6073 | |
| 15 | [illegible] | [illegible] | 17046 | |
| 16 | [illegible] | [illegible] | 17794 | |
| 16 | [illegible] | [illegible] | 17298 | |
| 16 | [illegible] | [illegible] | 15892 | |
| 16 | [illegible] | [illegible] | 36850 | |
| | [illegible] | | | |
| 16 | [illegible] | [illegible] | 17646 | |
| 16 | [illegible] | [illegible] | 30668 | |
| 16 | [illegible] | [illegible] | 51425 | |
| 16 | [illegible] | [illegible] | 51373 | |
| 17 | [illegible] | [illegible] | 17265 | |
| 20 | [illegible] | [illegible] | 16703 | |
| 20 | [illegible] | [illegible] | 17565 | |
| 22 | [illegible] | [illegible] | 17380 | |
| 22 | [illegible] | Not Well Log | 89347 | |
| 22 | [illegible] | [illegible] | 17645 | |
| 22 | [illegible] | Not Well Log | 1360 | |
| 22 | [illegible] | [illegible] | 41019 | |
| 22 | [illegible] | [illegible] | 11927 | |
| 22 | [illegible] | [illegible] | 14154 | |
| 22 | [illegible] | [illegible] | 44685 | |
| 22 | [illegible] | [illegible] | 51191 | |
| 22 | [illegible] | [illegible] | 33708 | |
| 22 | [illegible] | [illegible] | 17571 | |
| 23 | [illegible] | Not Well Log | 90130 | |
| 23 | [illegible] | [illegible] | 17510 | |
| 23 | [illegible] | [illegible] | 17193 | |
| 23 | [illegible] | [illegible] | 17134 | |
| 33 | [illegible] | [illegible] | 15199 | |
| | | | | |

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|---|---|---|---|---|
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 12 | [illegible] | [illegible] | [illegible] | |
| 14 | [illegible] | [illegible] | [illegible] | |
| 14 | [illegible] | [illegible] | 30281 | |
| 14 | [illegible] | [illegible] | 11444 | |
| 14 | [illegible] | [illegible] | 15393 | |
| 14 | [illegible] | [illegible] | 17183 | |
| 14 | [illegible] | [illegible] | 25501 | |
| 14 | [illegible] | Water Meeting | 6073 | |
| 15 | [illegible] | [illegible] | 17046 | |
| 16 | [illegible] | [illegible] | 17774 | |
| 16 | [illegible] | [illegible] | 17298 | |
| 16 | [illegible] | [illegible] | 15892 | |
| 16 | [illegible] | [illegible] | 36850 | |
| | [illegible] | | | |
| 16 | [illegible] | [illegible] | 17646 | |
| 16 | [illegible] | [illegible] | 30668 | |
| 16 | [illegible] | [illegible] | 51425 | |
| 16 | [illegible] | [illegible] | 51373 | |
| 17 | [illegible] | [illegible] | 17265 | |
| 20 | [illegible] | [illegible] | 16703 | |
| 20 | [illegible] | [illegible] | 17565 | |
| 22 | [illegible] | [illegible] | 17380 | |
| 22 | [illegible] | Water Meeting | 89347 | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | Added after index was made | | | |
| 22 | Apple, Thomas J. | G.W-W | 17512 | |
| 22 | Westby, Orland | 2 | No # | |

County _____ Twp. _____ Rge. 18E

| Sec. | Name of Appropriator | Type of Form | County File No. | Remarks |
|---|---|---|---|---|
| 23 | [illegible] | [illegible] | [illegible] | |
| 23 | [illegible] | [illegible] | [illegible] | |
| 23 | [illegible] | [illegible] | [illegible] | |
| 23 | [illegible] | [illegible] | [illegible] | |
| 23 | [illegible] | [illegible] | 9599 | |
| 24 | [illegible] | [illegible] | 16735 | |
| 25 | [illegible] | [illegible] | 14890 | |
| 26 | [illegible] | [illegible] | [illegible] | |
| 26 | [illegible] | [illegible] | 46753 | |
| 26 | [illegible] | [illegible] | [illegible] | |
| 26 | [illegible] | [illegible] | 13837 | |
| 26 | [illegible] | [illegible] | 39689 | |
| 27 | [illegible] | [illegible] | 17734 | |
| 27 | [illegible] | [illegible] | 17706 | |
| 27 | [illegible] | [illegible] | 17433 | |
| 27 | [illegible] | [illegible] | 82 | |
| 28 | [illegible] | [illegible] | 17731 | |
| 28 | [illegible] | [illegible] | 17732 | |
| 30 | [illegible] | [illegible] | 13404 | |
| 32 | [illegible] | [illegible] | 17743 | |
| 33 | [illegible] | [illegible] | 17433 | See Section 27 |
| 33 | [illegible] | [illegible] | 17785 | |
| 33 | [illegible] | [illegible] | 17507 | |
| 33 | [illegible] | [illegible] | 43335 | |
| 34 | [illegible] | [illegible] | 17433 | See Section 33 |
| 34 | [illegible] | [illegible] | 17432 | |
| 34 | [illegible] | [illegible] | 17007 | |
| ~~34~~ | ~~[illegible]~~ | ~~[illegible]~~ | ~~17512~~ | |
| ~~9~~ | ~~[illegible]~~ | ~~[illegible]~~ | ~~17015~~ | |
| ~~9~~ | ~~[illegible]~~ | ~~[illegible]~~ | ~~16494~~ | |
| — | [illegible] | [illegible] | [illegible] | No Sec. # |
| — | [illegible] | [illegible] | 9907 | " " " |
| ~~9~~ | ~~[illegible]~~ | ~~[illegible]~~ | ~~[illegible]~~ | |
| ~~9~~ | ~~[illegible]~~ | ~~[illegible]~~ | ~~[illegible]~~ | |
| ~~9~~ | ~~[illegible]~~ | ~~[illegible]~~ | ~~[illegible]~~ | |
| ~~9~~ | ~~[illegible]~~ | ~~[illegible]~~ | ~~[illegible]~~ | |
| ~~9~~ | ~~[illegible]~~ | ~~[illegible]~~ | ~~[illegible]~~ | |
| — | [illegible] | [illegible] | [illegible] | No Sec. # |
| ~~9~~ | ~~[illegible]~~ | ~~[illegible]~~ | ~~[illegible]~~ | |
| — | [illegible] | [illegible] | 13530 | No Sec # |
| ~~9~~ | ~~[illegible]~~ | ~~[illegible]~~ | ~~[illegible]~~ | |

File No. 9799

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

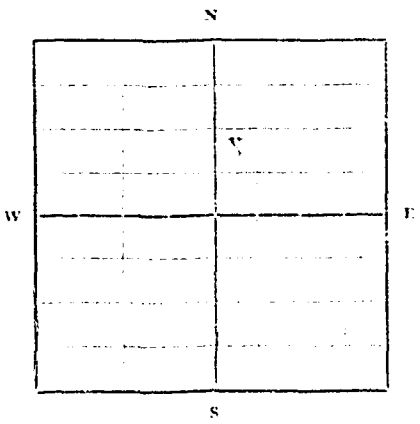
T 15N R 18E
County Fergus

CORRECTED

# Declaration of Vested Groundwater Rights

(Under Chapter 207 Montana Session Laws, 1961)

1. Lucile E. Kesselheim (Name of Appropriator) of 341 Park Hill Drive (Address) Billings (Town)
County of Yellowstone State of Montana
have appropriated groundwater according to the Montana Laws in effect prior to January 1, 1962, as follows:




NE ¼ Sec. 1 T15NR 13E.

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

2. The beneficial use on which the claim is based
livestock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1950 and ever since and will continue using water for that purpose

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 miner's inches

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
spring fed - reservoir and dam

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater re-conditioned spring in 1961

8. The depth of water table reservoir 10 - 20 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

reservoir - length 132 ft.
width 40 ft.
depth 10 to 20 feet

10. The estimated amount of groundwater withdrawn each year 30,000 gallons

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

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 Lucile E. Kesselheim

Date May 14, 1962

STATE OF MONTANA, County of Yellowstone, ss:
Lucile E. Kesselheim having first been duly sworn, depose s and say s that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he know s the contents of said foregoing notice and that the matters and things therein stated are true.
Subscribed and sworn to before me, this 14 day of May, 19 62 Lucile E. Kesselheim
[illegible], Notary Public for the State of Montana, residing at Billings, Montana. My Commission expires April 21, 19 64

628

9799

COPY

State of New Mexico
County of Harding } ss.

Filed MAY 17 1962 19
at 9:45 o'clock A. M.
Mary Ruth Lum
County Clerk and Recorder

$2.00 pd

File No. 9752

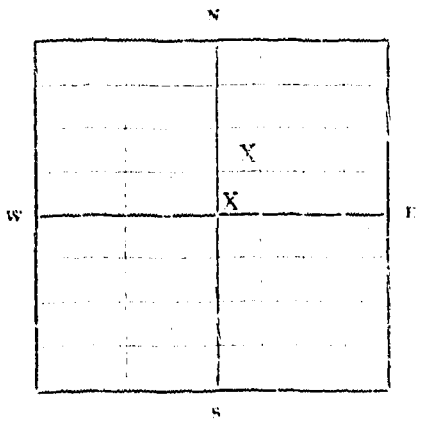
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T 15N R 18E
County Fergus

# Declaration of Vested Groundwater Rights

(Under Chapter 247, Montana Session Laws 1961)

1. Lucile E. Kesselheim (Name of Appropriator) of 341 Park Hill Drive, Billings (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:




NE ¼ Sec. 1 T15N R 18E

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

2. The beneficial use on which the claim is based
livestock water

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25"

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
spring and reservoir

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

8. The depth of water table 10 - 20 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
reservoir

10. The estimated amount of groundwater withdrawn each year 20"

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

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 Lucile E. Kesselheim

Date May 8, 1962

STATE OF MONTANA, County of Yellowstone, ss
Lucile E. Kesselheim having first been duly sworn, deposes and says that she is lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriator and claimant, that she know the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this 8 day of May, 19 62 Lucile E. Kesselheim

[illegible], Notary Public for the State of Montana, residing at Billings, Montana. My Commission expires April 21, 1964

9752

COPY

Filed MAY 14 1962
at 8:00 o'clock A.M.
Mary Patthum
County Clerk and Recorder

$20.00

W

File No. 16962

DUPLICATE

Approved Stock Forms—State Publishing Co., Helena, Montana—3000

T. 14 R. 14

County

RECEIVED
DEC 2 1963
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Sept 15, 1963

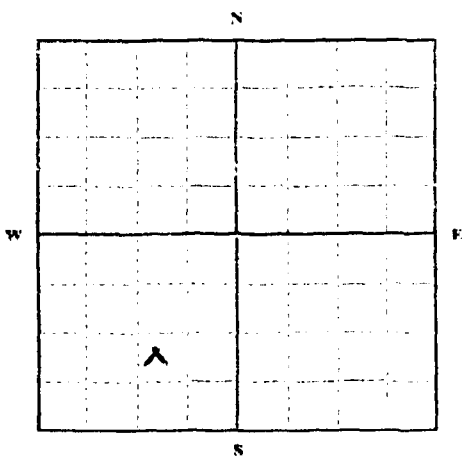
Owner J. [illegible] Donald Address Lewistown, Mont.

Contractor (if any) Robert [illegible]

Address of Contractor [illegible] 2, Lewistown, Mont.

Date Started 9-15-63 Date Completed 10-20-63

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Drainage runoff. Depth when full 20 feet




SE 1/4 SE 1/4 Sec. 1 T. 12 R. 14

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

100 acre feet irrigation based on [illegible] computation. Probably [illegible] use in summer

Signature of Owner J. C. McDonald

Date 12-20-63

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.

16962

OF

State of Washington
County of Whatcom } ss.

Filed DEC 30 1953 19__

at 10:30 o'clock A. M.

Mary Rathbun
County Clerk and Recorder

$2.00 pd

Mr. J. C. McDonald, Lewistown, Montana

February 26, 1964

December 20, 1963

(See Below)

from natural surface runoff.

Document Nos. 16960

16961

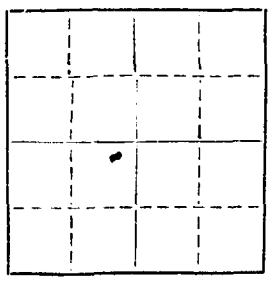
16962

T. 15 N R. 15 E

County Pegram

# MONTANA BUREAU OF MINES AND GEOLOGY
**Butte, Montana**

## WATER WELL LOG



Owner..... Address.....

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

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

Location: Sec. 3 T. 15 R. 15 ¼ sec. NE ¼ SW ¼

Type of well..... (Dug, driven, bored, or drilled) Equipment used..... (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.....

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)

T. 15 N R. 18 E 3

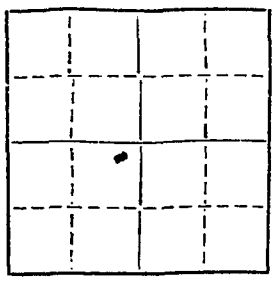
County Pegum

STATE ENGINEER

# MONTANA BUREAU OF MINES AND GEOLOGY

**Butte, Montana**

## WATER WELL LOG



Owner ..... Address .....

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

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

Location: Sec. 3 T. 15 R. 18 ¼ sec. NE ¼ SW ¼

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

Water use: Domestic [x] Municipal [ ] Stock [ ] Irrigation [ ]

Industrial [ ] Drainage [ ] Other: .....

Casing: 1" 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 60 feet at 50 gal. per min. .....

How tested: air

Length of test 1 hour

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

(over)

95244

**Log of Well**

| Depth, feet From | To | Description of Material Drilled |
|---|---|---|

State of [illegible]
County of [illegible]
Filed DEC [illegible]
at 12:15 [illegible] P.M.
DORIS L. [illegible]
County Clerk and Recorder
By Mary Rathbun
Deputy

-50¢ pd.

95244

CC

**Log of Well**

| Depth, feet From | Depth, feet To | Description of Material Drilled |
|---|---|---|
| 0 | | |

State of Nevada, County of Nye } ss.
Filed DEC 2 9 [illegible]
at 12:15 o'clock P.M.
DORIS L. MAINE
County Clerk and Recorder
By Mary Rathbun
Deputy

- 50¢ pd.

GW 2

File No. .....

DUPLICATE

T. [illegible] R. [illegible]

County .....

LOG

Top of Ground

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

| | | |
|---|---|---|
| 0 | 1 | Topsoil |
| 1 | 6 | [illegible] |
| 6 | 35 | Gravel |
| 35 | 42 | Black [illegible] |
| 42 | 100 | Sand [illegible] |
| 100 | 320 | Black [illegible] |
| 320 | 400 | [illegible] water |
| 400 | 415 | [illegible] |

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 [illegible] Address [illegible]

Driller [illegible] Address [illegible]

Date of Notice of appropriation of groundwater [illegible]

Date well started [illegible] Date completed [illegible]

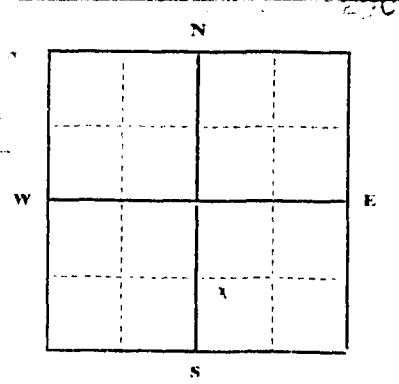
Type of well [illegible] Equipment used [illegible]
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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) |
|---|---|---|---|---|---|---|
| | 2" [illegible] | [illegible] | [illegible] | [illegible]/10 [illegible] | [illegible] | 400 |

Doc. No. 45630
Filed for record
this 24th day of February
A. D. 19 72, at 2:30
o'clock P. M.




SW ¼ [illegible] Sec. 4 T. 15 R. 18
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well None feet.

Shut-in Pressure for Flowing Well 0

Pumping Water Level 60 feet

at [illegible] gal. per minute.

Discharge in gal. per min. of flowing well 5

How Tested [illegible]

Length of Test [illegible]

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

(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 question . If not applicable, so state, otherwise the form will be returned.

[illegible]
Driller's License Number

[illegible]
Driller's Signature

47,722

45630

COPY

State of Montana,
County of Fergus

Filed ..... 1972.....

at ..2:30..... o'clock ....P.M.

Mary Rathbun
County Clerk and Recorder

2nd pg

GW 2

File No. .....

T. 15 R. 18

County .....

**DUPLICATE**

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED FEB 1964 STATE ENGINEER

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

| | |
|---|---|
| 8' | overburden |
| 26 | Broken sandy shale to hard blue shale |
| 120 | Blue shale |
| 122 | Green sandy shale(gas water) |
| 218 | Blue gey shale with t lc & bentonite streaks |
| 255 | sandstone, blue shale |
| 340 | sandstone with layers of shale(some water) |
| 395 | hard sandy shale with hard sandstone layers |
| 480 | Green red grey shale |
| 555 | hard sandy shale & sandstone |
| 576 | soft sandstone |
| 576 | bottom |

Owner I. L. Carmichael Address Danvers, Mont.

Driller O. J. Thatcher Address Stanford, Mont.

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

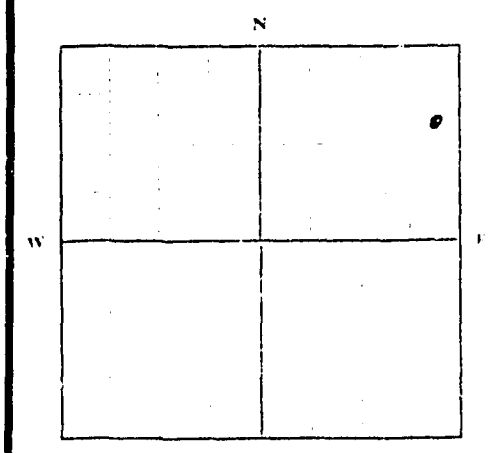
Date well started Jan. 6, 1964 Date Completed Jan. 11, 1964

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 ☐

☞ 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) |
|---|---|---|---|---|---|---|
| 4½" | 2" galv. | 0' | 576' | ⅜"hole 6" space | 500' | 576' |




NE¼ Sec. 5 T 15 R 18

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. 30 lbs.

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

Discharge in gal. per min. of flowing well 40 G.P.M.

How Tested measured Length of Test .....

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and ary other similar pertinent information, including number of acres irrigated, if used for irrigation) .....

Packers at 50' 70' cemented in

35

Driller's License Number

Driller's Signature

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

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

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

34969

18300 COPY

State of Montana,
County of Fergus. } ss.

Filed FEB 17 1964 19

at 11:25 o'clock A. M.

MAY RATHBUN
County Clerk and Recorder

By Marjorie Hurley
Deputy

$2.00 pd

GW

File No. 17565

DUPLICATE

T. 5 R. 5 E

County Fergus

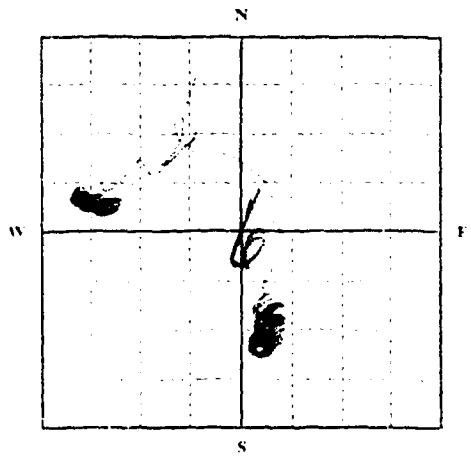
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Theodore Rowland of 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:




¼ Sec. T. R.

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

2. The beneficial use on which the claim is based Irrigation and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since purchased Place in April 1961

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approx 600 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 30 to 40 acres NW ¼ Sec 6 SE ¼ Sec 6

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater not applicable

8. The depth of water table ground level

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 not applicable

10. The estimated amount of groundwater withdrawn each year 300,360,000

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

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 not to be known

Signature of Owner Theodore Rowland

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

17505

State of Montana,
County of Fergus } ss.

Filed DEC 3 1 1962 19__

at 9:35 o'clock A M.

$7.00 Fd. MAY RATHBUN
County Clerk and Recorder

COPY

GW 2

File No. .....

DUPLICATE

T. 12 N. R. 17 E.

County .....

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: Weldon Moody Address: Lewistown, Montana

Driller: George O. Singley Address: Lewistown, Montana

Date of Notice of appropriation of groundwater: None

Date well started: Nov. 2, 1972 Date completed: Nov. 4, 1972

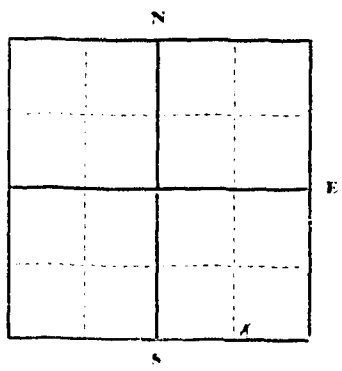
Type of well: Drilled (Dug, driven, bored or drilled) Equipment used: Rotary (Churn drill, rotary or other)

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

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) |
|---|---|---|---|---|---|---|
| 7-7/8 | | 0 | 42 | | | |
| 5-5/8 | | 42 | 110 | | | |
| | 5¼ OD Plastic | Above gr.l' | 42 | | | |
| | 4½ OD Plastic | 30 | 110 | ½ holes | 50 | 110 |

Doc. No. 56134
Filed for record
this 14th day of March
A. D. 1973, at 1:00
o'clock P.M.




SE ¼ of SW ¼ Sec. 7 T. 12 N. R. 18 E.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 50 feet.

Shut-in Pressure for Flowing Well: None

Pumping Water Level: 84 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well: None

How Tested: Air

Length of Test: 2 hrs.

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

.....(Continue on reverse side)

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

**Show exact depth of bottom.**

LOG

Top of Ground

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

| | | |
|---|---|---|
| 0 | 1 | Topsoil |
| 1 | 38 | Clay-Gravel |
| 38 | 50 | Blue shale |
| 50 | 95 | Sandy shale, Water |
| 95 | 110 | Shale |

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.

19 .....
Driller's License Number

George O. Singley
Driller's Signature

56134

MAR 1973
Troy Rutherford
Clerk of Forestry
Fee Paid $ 2.00

GW

File No. 17035

DUPLICATE

T.....R.....

County.....

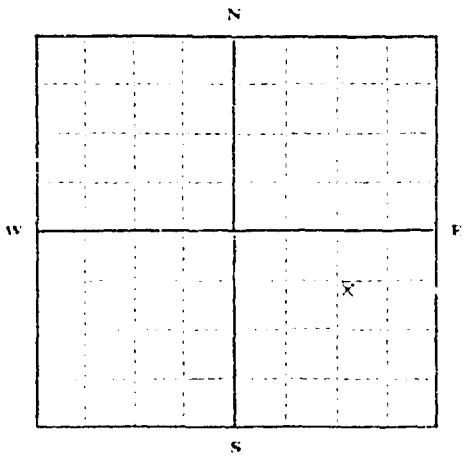
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. [illegible] of [illegible]
(Name of Appropriator) (Address) (Town)

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




SW¼ NE¼ SE¼ Sec. 9 T. 10 N. R. 13 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 [illegible]

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

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

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 [illegible]

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Drawn [illegible] The well is located at Lot 5, block 1, Suburban Homes, [illegible], Sec. 9, township 10N, range 13E

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

8. The depth of water table 320 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, 3 inch line pipe and 340 feet deep.

10. The estimated amount of groundwater withdrawn each year Unknown

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 Unavailable

Signature of Owner [illegible]

Date [illegible] 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.

15259

17035

COPY

State of Montana, } ss.
County of Powell }

Filed DEC 26 1963 19

at 10:00 o'clock A. M.

Troy Rathbun
County Clerk and Recorder

$2.00 pd

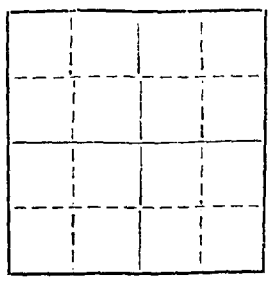
T.....R.....

County.....

# MONTANA BUREAU OF MINES AND GEOLOGY

**Butte, Montana**

## WATER WELL LOG



Owner..... Address.....

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

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

Location: Sec..... T..... R..... ¼ sec.....

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.....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)

T..... R.....

County.....

# MONTANA BUREAU OF MINES AND GEOLOGY

**Butte, Montana**

## WATER WELL LOG

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

Owner..... Address.....

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

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

Location: Sec..... T..... R..... ¼ sec.....

Type of well..... (Dug, driven, bored, or drilled) Equipment used..... (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)

Log of Well

| Depth, feet From | Depth, feet To | Description of Material Drilled |
|---|---|---|
| [illegible] | | |

4440

[illegible]

91715

GW 2

Approved Stock Form State Publishing Co., Helena, Montana—45641

File No. .....

T. 15N R. 18E 9

County .....

**DUPLICATE**

**LOG**

Top of Ground

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

# STATE OF MONTANA
## ADMINISTRATOR OF GROUNDWATER CODE
## OFFICE OF STATE ENGINEER

# Notice of Completion of Groundwater Appropriation by Means of Well

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 237, Montana Session Laws, 1961)

Owner Earl R. Olive Address Rte 2 Lewistown

Driller K. Mesmore Address .....

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

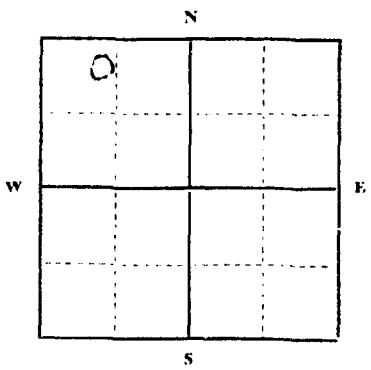
Date well started ..... Date completed .....

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

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

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS Kind Size | From (Feet) | To (Feet) |
|---|---|---|---|---|---|---|
| 6" | 4½ 9½ lb. | 0 | 4" | | | |
| 4 | [illegible] | [illegible] | [illegible] | | | |




Lot ..... Sec. 9 T. 15N R. 18E

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

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

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

Pumping Water Level ..... feet at [redacted] gal. per minute.

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

How Tested .....

Length of Test .....

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

(Continue on reverse side)

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

**Show exact depth of bottom.**

Calf 4".

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

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

..... Driller's License Number

..... Driller's Signature

4 3 7 3 5

COPY

Earl R. Cline

Fergus

County Clerk and Recorder

Earl R. Cline

13 March 68

Juman Frank

Lewistown, Montana

April 28 70

G-3

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

File No. 2 17068

T. 15 R. 18 E

DUPLICATE

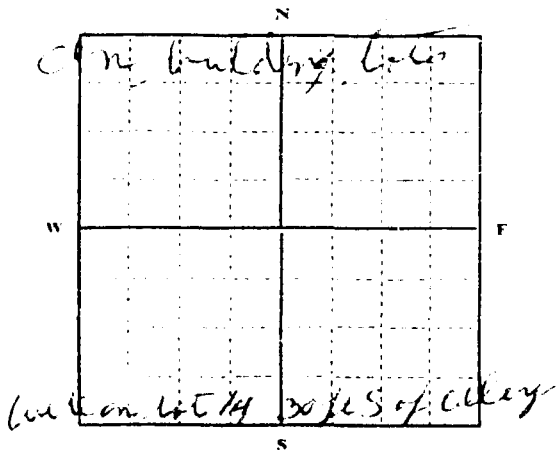
County Teagan

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Thee H Conard (Name of Appropriator), of Box 641 Rt 2 (Address) Lewistown (Town)
County of Teagan State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:




S½ SE¼ Sec. 9 T. 15 R. 18 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 irrigation and stock use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1953 and has been used ever since on lot 14 and one of his also for home

4. The amount of groundwater claimed (in miner's inches or gallons per minute) six 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
Block 6 lots 2-3-4-5
18-17-16 15-14-13
Thee H Conard

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump electric motor on well on lot 14 about 30 ft from alley

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1949 former owner present owner Thee H Conard

8. The depth of water table thirty ft well sixty ft deep

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater well sixty ft deep dug with a screen on casing with electric motor on top of casing about one meter from with 1½ in pipe and 1 in pipe fastened to it

10. The estimated amount of groundwater withdrawn each year 650-050

11. The log of formations encountered in the drilling of each well if available not available as driller kept no log or record

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 could be found out

Signature of Owner Thee H Conard

Date 12-26-1963

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

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

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

13285

17068

COPY

State of Montana,
County of Yellowstone } ss.

Filed DEC 26 1963 19
at 2:30 o'clock P. M.

Vera Rathbun
County Clerk and Recorder

2 cpl.

File No. 17067

T R

County

DUPLICATE

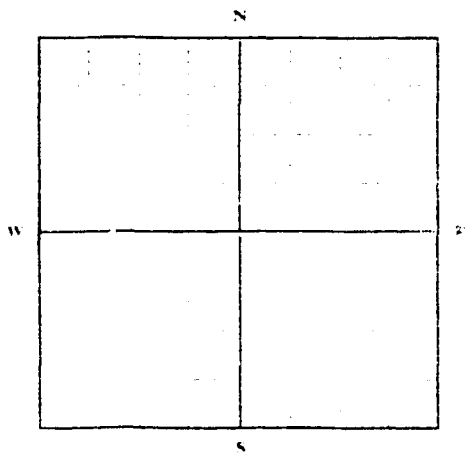
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Floyd A. Damschen (Name of Appropriator) of Route #2 (Address) Lewistown (Town)

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




SE ¼ Sec. 9 T. 15 N R. 18 E

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

Lot 8, Block 71
LEWISTOWN-HEIGHTS.

2. The beneficial use on which the claim is based Domestic LAWN AND Garden.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1st 1957.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 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 Lots 7, 8, 9, - 40' X 120' EA.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 inch ½ HP. Deep well jet

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 20, 1957, July 29 1957

8. The depth of water table 28 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 (Cable Tools)
Size 0 ft. to 78-6 Size 5 3/16 S & S
Size - 78-6" to 136 4" T & C
Slotted PIPE 111 ft to 136 ft.

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

11. The log of formations encountered in the drilling of each well if available Log Attached
0-2' Top soil, 2'-12' Clay, Gravel, 12'-20' Blue Shale.
20-30' Brown Sandstone, 30-50' Dark Gray Streaks of Bentonite.
50-65 Light gray Sandstone, 65-66 Blue Shale, 66-79 Sandstone & Sandy Shale
79-82 Bentonite, 82-121 Shale Sandy Rock, Bentonite, 121-134 Sandstone, Water 134-136 (Bentonite)

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 Floyd A. Damschen

Date 12-20-63

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.

3-18-1

17067

COPY

Filed DEC 26 1963 19__
at 2:30 o'clock P. M.
Mary Rothhun
County Clerk and Recorder
$2.00 pr.

GW 2

File No. 19798

**DUPLICATE**

T. ..... R. .....

County .....

RECEIVED
MAR 11 1974
STATE ENGINEER

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)

Owner ..... Address .....

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

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

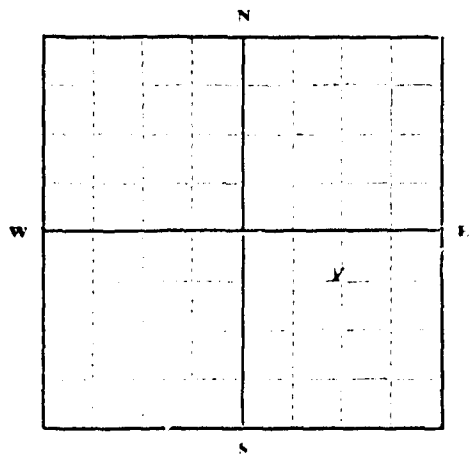
Date well started ..... Date Completed .....

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

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

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|---|---|---|---|---|---|---|
| | | | | Kind Size | From (Feet) | To (Feet) |
| | | | | | | |




¼ ..... Sec. 7 T. 2 R. 3
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.....

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

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

How Tested ..... Length of Test .....

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

Driller's License Number

Driller's Signature

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

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

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

35 4 3

18566

COPY

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

Filed SEP 10 1964 19

at 1:30 o'clock P. M.

Mary Rathbun
County Clerk and Recorder

$2.00 pd.

GW 2

File No. 66657

DUPLICATE

Approved Stock Form - State Publishing Co., Helena, Montana-42324

T. 15 R. 18 9

County Fergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

# Notice of Completion of Groundwater Appropriation by Means of Well

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 237, Montana Session Laws, 1961)

**LOG**

Top of Ground

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

| | | |
|---|---|---|
| 0 | 1 | Topsoil |
| 1 | 3 | Gravel |
| 3 | 41 | Black shale Streaks Bentonite |
| 41 | 43 | Bentonite |
| 43 | 48 | Sandstone |
| 48 | 55 | Shale and Bentonite |
| 55 | 72 | Sandstone |
| 72 | 73 | Extremely hard rock |
| 73 | 74 | Bentonite |
| 74 | 112 | Sandstone Water |
| 112 | 115 | Bentonite |

Show exact depth of bottom.

Owner Bert Ewell Address Lewistown, Montana

Driller George C. Singley Address Lewistown, Montana

Date of Notice of appropriation of groundwater None

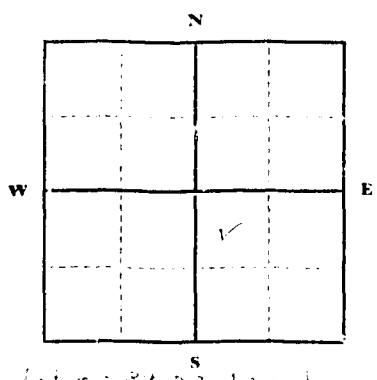
Date well started Aug. 11, 1965 Date completed Aug. 11, 1965

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

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

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) |
|---|---|---|---|---|---|---|
| 5-5/8" | | 0 | 72 | | | |
| 4-3/4" | | 72 | 115 | | | |
| | 4½ OD 4 ID 6.7# Galv. | above ground 1' | 72 | | | |




Lot 6 SE 29 Location weights 7 in

NW¼ SE¼ Sec. 9 T. 15 R. 18

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

Static Water Level for non-flowing well 10 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 25 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well None

How Tested Bailing

Length of Test 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff) Casing cemented with 4 sacks cement. Gravel packed from 63-115'.

(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).

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.

18
Driller's License Number

George Singley
Driller's Signature

36667

COPY

State of Montana,
County of Fergus } ss.

Filed MAY 16 1989 19

at 1:25 o'clock P. M.

$2.00 pd

Mary Rathbun
County Clerk and Recorder

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—50551

File No. 39030

T. 15 R. 18 9

DUPLICATE

County

**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)

Top of Ground

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

| | | |
|---|---|---|
| 0 | 1 | Topsoil |
| 1 | 11 | Gravel |
| 11 | 14 | Bentionite |
| 14 | 45 | Shale and Bentionite |
| 45 | 65 | Black silty shale |
| 65 | 70 | Shale Bentionite |
| 70 | 85 | Sandstone |
| 85 | 130 | Shale |

Owner Lester Hartford Address Lewistown, Montana

Driller George O. Singley Address Lewistown, Montana

Date of Notice of appropriation of groundwater None

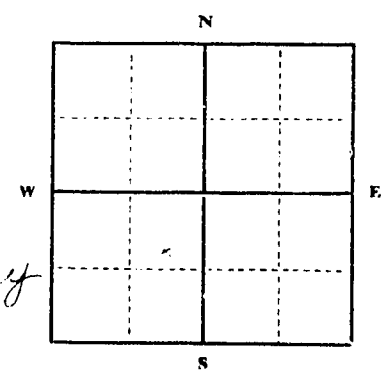
Date well started Sept. 6, 1969 Date completed Sept. 6, 1969

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

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

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) |
|---|---|---|---|---|---|---|
| 5/5/8 | | 0 | 130 | | | |
| | 4½OD4ID Plastic | above gr. 1' | 130 | | | |
| | | | | 5/16 holes | 20 | 130 |




Static Water Level for non-flowing well 10 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 30 feet at 5 gal. per minute.

Discharge in gal. per min. of flowing well None

How Tested Bailing and Air

Length of Test 1 hr.

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

NE ¼ SW Sec. 9 T. 15 N R. 18 E

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.

19

Driller's License Number

George Singley

Driller's Signature.

46229

39030 COPY

State of Montana,
County of Fergus } ss.

FEB 24 1970

Filed ..... 19____

at 5:30 o'clock P M.

MAY RATHBUN
County Clerk and Recorder

By Fred Wagner
Deputy

$ 25 Fee Bond

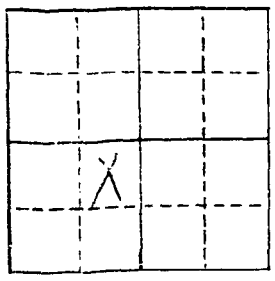
Form No. 18
8-60

T. _____ R. _____

County _____

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

# WATER WELL LOG



Owner _____ Address _____

Driller _____ Address _____

Date Started _____ Date Completed _____

Location: Sec. _____ T. _____ R. _____ ¼ sec. _____

Type of well _____ (Dug, driven, bored, or drilled) Equipment used _____ (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)

27955

State of Montana
County of Fergus } ss.
Filed NOV 14 1966 19
at 10:00 o'clock A.M.
Mary Scattum
County Clerk and Recorder
$2.00

Log of Well

| Depth, feet | | Description of Material Drilled |
|---|---|---|
| From | To | |
| | 2 | [illegible] |
| 2 | 26 | [illegible] |
| 26 | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] |

Approved Stock Forms—State Publishing Co., Helena, Montana

File No. 16995

T 15N R 18E

**DUPLICATE**

County [illegible]

**STATE OF MONTANA**
**ADMINISTRATOR OF GROUNDWATER CODE**
**OFFICE OF STATE ENGINEER**

RECEIVED
STATE ENGINEER

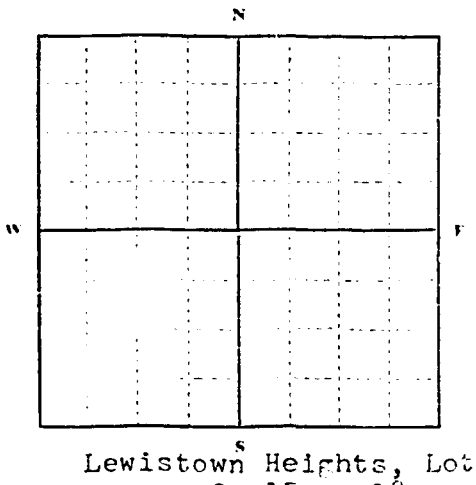
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. [illegible] (Name of Appropriator), of [illegible] (Address) [illegible] (Town)

County of [illegible] State of Montana

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




Lewistown Heights, Lot 11 Blk 59

¼ Sec. 9 T. 15 R. 18

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: [illegible] water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: At least [illegible] and used continuously since [illegible]

4. The amount of groundwater claimed (in miner's inches or gallons per minute): about two and one-half gallons per minute and like amount used by neighbor

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: (Jet-deep well) electric pump that withdraws water and forces it into pressure tank

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: at least two years ago

8. The depth of water table: about 22' below 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: [illegible] about 22 feet [illegible] cased with about 5" casing

10. The estimated amount of groundwater withdrawn each year: from 1,500,000 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

Signature of Owner [illegible]

Date Dec 20 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.

11407

16995

3064

363

4:35 P.M.

Mary Rathbun
County Clerk and Recorder

$2.00 pd

GW 2

File No. 19529

DUPLICATE

Approved by the State Board of Health, Helena, Montana 12/29

T. 17 N. R. 18

County: Fergus

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

# Notice of Completion of Groundwater Appropriation by Means of Well

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 237, Montana Session Laws, 1961)

Owner Dave Kilgore Address Lewistown, Montana

Driller George C. Singley Address Lewistown, Montana

Date of Notice of appropriation of groundwater None

Date well started May 20, 1967 Date completed May 20, 1967

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

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

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) |
|---|---|---|---|---|---|---|
| 7-7/8 | | 0 | 21 | | | |
| 5-5/8 | 1' above ground | 21 | 80 | | | |
| | 4½OD4ID PVC Plastic | | 80 | ¼"holes | 70 | 80 |

Static Water Level for non-flowing well 8½ feet.

Shut-in Pressure for Flowing Well 0

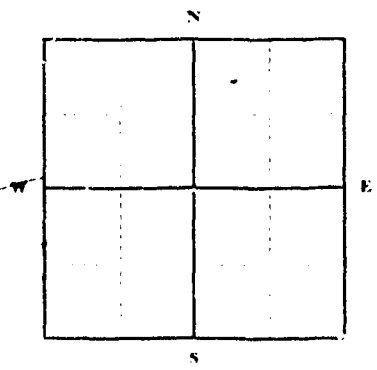
Pumping Water Level 20 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well 0

How Tested Pumping

Length of Test 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff) Sealed with rubber and cement




NW ¼ SE ¼ Sec. 9 T. 17 R. 18

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.

19
Driller's License Number

George Singley
Driller's Signature

LOG

| Top of Ground (Elev. above sea level .....) | | |
|---|---|---|
| 0 | 1 | Topsoil |
| 1 | 9 | Gravel |
| 9 | 30 | Black shale |
| 30 | 37 | Bentionite |
| 37 | 46 | Hard sand, shale |
| 46 | 51 | Shale Bentionite streaks |
| 51 | 54 | Hard slaty shale some sand |
| 54 | 57 | Hard sandrock |
| 57 | 58 | Bentionite |
| 58 | 65 | Hard sandrock |
| 65 | 66 | Bentionite |
| 66 | 80 | Sandstone Water 70-80 |

39529

COPY

State of Montana,
County of Fergus } ss.

Filed MAY 6 1970 19

at 12:00 o'clock Noon M.

Mary Rathbun
County Clerk and Recorder

8.00 p.m.

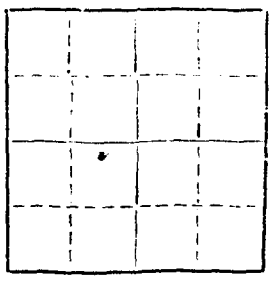
T..... R.....

County.....

# MONTANA BUREAU OF MINES AND GEOLOGY

**Butte, Montana**

## WATER WELL LOG



Owner..... Address.....

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

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

Location: Sec..... T..... R..... sec.....

Type of well..... (Dug, driven, bored, or drilled) Equipment used..... (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)

9

T. 15 N R. 18 E

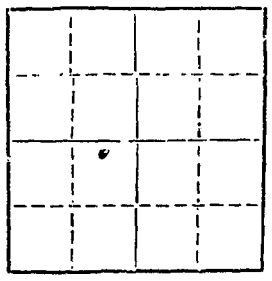
County Fergus

STATE ENGINEER

# MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

## WATER WELL LOG



Owner [illegible] Address [illegible]

Driller [illegible] Address [illegible]

Date Started [illegible] Date Completed [illegible]

Location: Sec. 9 T. 15 R. 18 ¼ sec. NE ¼ SW ¼

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

Water use: Domestic [x] Municipal [ ] Stock [ ] Irrigation [ ]

Industrial [ ] Drainage [ ] Other: [illegible]

Casing: [illegible] ft. to [illegible] ft. Type [illegible] Size [illegible]

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: 1[illegible] feet.

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

Pumping water level [illegible] feet at [illegible] gal. per min. no [illegible]

How tested: [illegible]

Length of test 1 [illegible]

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

[illegible]

(over)

95246

Log of Well

| Depth, feet From | Depth, feet To | Description of Material Drilled |
|---|---|---|
| | | |

State of Montana,
County of Flathead } ss.

Filed DEC 2 [illegible] 19[illegible]
at 12:15 [illegible] M.

DORIS L. [illegible]
County Clerk and Recorder

By May Rathbun
Deputy

50 gpd

95246

Log of Well

| Depth, feet From | Depth, feet To | Description of Material Drilled |
|---|---|---|
| 0 | 1 | [illegible] |
| 1 | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] |
| [illegible] | 114 | [illegible] |
| 114 | [illegible] | [illegible] |

State of Montana,
County of Fergus } ss.

Filed DEC 29 1958 19..
at 12:15 o'clock P. M.
DORIS L. MANE
County Clerk and Recorder
By May Rathbun
Deputy

50¢ fee

12:15
50¢ fee

GW 2

Approved Stock Form Stock Publishing Co. Helena, Montana

File No. 14734

T. ..... R. .....

County .....

**DUPLICATE**

**STATE OF MONTANA**
**ADMINISTRATOR OF GROUNDWATER CODE**
**OFFICE OF STATE ENGINEER**

RECEIVED
JUN 27 1966
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)

Owner: ..... Address: .....

Driller: ..... Address: .....

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

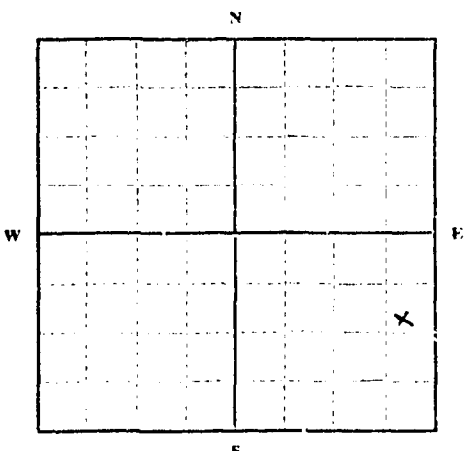
Date well started: ..... Date Completed: .....

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

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

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS | | |
|---|---|---|---|---|---|---|
| | | | | Kind Size | From (Feet) | To (Feet) |
| | | | | | | |




NE ¼ of 15 Sec. 27 T 15 R 16
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

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

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

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

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

How Tested ..... Length of Test .....

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

**Show exact depth of bottom.**

12
Driller's License Number

Driller's Signature

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

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

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

14741

COPY

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

Filed JUN 26 1963 19

at 2:05 o'clock P. M.

Lucy Matthews
County Clerk and Recorder

@ 2.00 pd

GW 2

File No. .....

**DUPLICATE**

T..... R..... 9

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.....)

0 115 Colorado shale
water 90'-115'

Owner John Shaffer Address Lewistown, Montana

Driller George O. Singley Address Lewistown, Montana

Date of Notice of Appropriation of Groundwater None

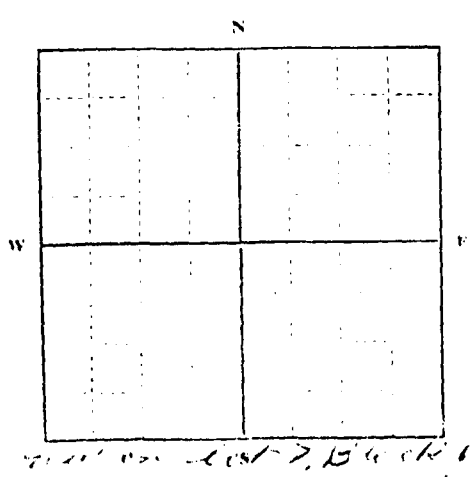
Date well started Aug. 30, 1963 Date Completed Sept. 3, 1963

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

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

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

| Size of Drilled Hole | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS Kind Size | From (Feet) | To (Feet) |
|---|---|---|---|---|---|---|
| 5 5/8 | 4½ ID 4½ OD Plastic | 0 | 115 | | | |




Tract on last page, Block 16
SE¼SW Sec. 9 T. 15 R. 18
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 40 feet.

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

Pumping Water Level 100 feet at 20 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).....

**Show exact depth of bottom.**

#19
Driller's License Number

George Singley
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.

COPY

State of [illegible]
County of [illegible]

Filed SEP 3 1968 19[illegible]
at [illegible]25 o'clock [illegible] M.
Terry Rathbun
[illegible] County Clerk and Recorder

RECEIVED
SEP 4 [illegible]
[illegible] WATER RESOURCES BOARD

Form No. 1
8-60

Lewistown Heights
Block 60 Lot 14

County Fergus

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

Owner George C. Singley Address Lewistown, Montana

Driller George C. Singley Address Lewistown, Montana

Date Started January 1, 1957 Date Completed Jan. 3, 1957

Location: Sec. Lewistown Heights Block 60 Lot 14 ¼ sec.

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

Water use: Domestic [X] Municipal [ ] Stock [ ] Irrigation [ ]

Industrial [ ] Drainage [ ] Other

Above ground
Casing: 1 ft. to 87½ ft. Type S & S Size 5 3/16 ID

Casing: 80 ft. to 130 ft. Type S & S Size 4 ½ ID

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: 20 feet.

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

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

How tested: Bailing

Length of test 2 hr.

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

5 3/16" casing cemented with 10 sacks cement

(over)

Log of Well

| Depth, feet | | Description of Material Drilled |
|---|---|---|
| From | To | |
| 0 | 2 | Topsoil |
| 2 | 15 | Clay gravel |
| 15 | 45 | Shale rock layers Bentionite |
| 45 | 55 | Sandstone Water No good large amount |
| 55 | 85 | Rock and Bentionite |
| 85 | 87 | Bentionite |
| 87 | 110 | Layers of rock and shale Water at 100' |
| 110 | 130 | Shale |
| 130 | 145 | Sandstone Water |

Filed for Record this 26 day of March, 1961 at 3:30 o'clock P.M.

Grand Clerk and Recorder

Fee

COPY

5045

GV

File No. 16692

DUPLICATE

T. 15 R. 18

County Fergus

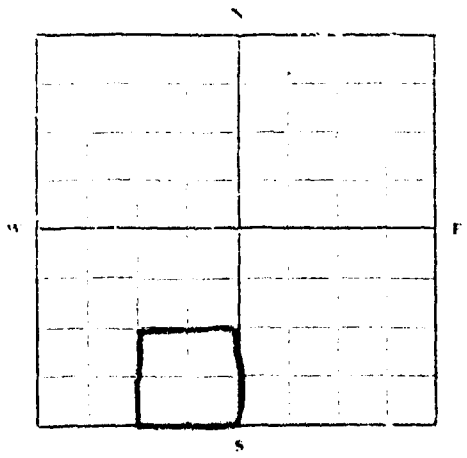
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. J. H. Taylor of Box 157 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:




¼ Sec. 9 T. 15 R. 18

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

Lots 15 or 16 B 64 Lewistown Right to

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been about 1953 intermittant

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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 Not applicable

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 about 90 or 100 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled about 6 in hole + recuposed to be about 160 ft deep

10. The estimated amount of groundwater withdrawn each year don't know

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

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

Signature of Owner J. H. Taylor
Date Dec 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.

16602

8.50

A.

Mary Rathbun

200 pp

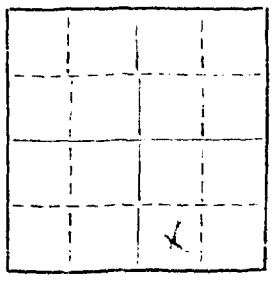
T. 15 N. R. 18 E. 9

County [illegible]

# MONTANA BUREAU OF MINES AND GEOLOGY
**Butte, Montana**

## WATER WELL LOG

15-18



Owner [illegible] Address [illegible]

Driller [illegible] Address [illegible]

Date Started January 15, 1953 Date Completed March 2, 1953

Location: Sec. 9 T. 15 N. R. 18 E. ¼ sec. [illegible]

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

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒

Industrial ☐ Drainage ☐ Other:

Casing: [illegible] ft. to [illegible] ft. Type [illegible] Size [illegible]

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: [illegible] lb. sq. in. on: (date)

Pumping water level feet at gal. per min. 6.2

How tested:

Length of test

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

Casing [illegible] to the [illegible] with Cement

(over)