

County DeKalb GA

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

DEC 27 1971

**DRILLER'S LOG**

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL** DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

**Developed after January 1, 1962**

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

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

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

Owner E. H. Tadmor

3 Books

Route 1, Box 11  
Three Forks, Mont. 59752

Date well started 12-6-71

completed 12-7-71

Type of well Dug

Equipment used Cable Tools

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

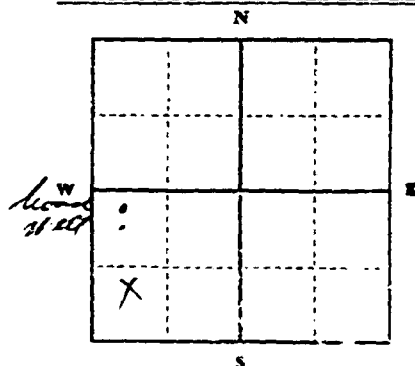
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*Describe .....

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

ESTIMATED ANNUAL WITHDRAWAL .....

Size of Drilled Hole	Size and Weight of Cast	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" ID 17#	+1	75			



Static water level ..... 4 ..... ft.\*  
Pumping water level ..... 6 ..... ft.\*  
at ..... 45 ..... gallons per minute,  
measured ..... 120 ..... minutes after pumping  
began.

\*Measured from ground level.

We'll developed by .....  
for .....hours.

Power..... Pump..... HP  
Remarks: (Gravel packing, cementing,  
packers, type of snutoff) .....

1/4 ~~SR~~ 1/4 Ser. **22**  
T. **22** N R. **22** E  
S W

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

Driller's Signature .. Mark A. Falt

Driller's Address Point #1

Bozeman Mont LICENSE NO. 150

35 Show exact depth of bottom

49636

# 3028

5700 ft.

*[The following page contains faint, illegible markings or bleed-through from the reverse side.]*

Form No. 18  
8-60

T. 2.N. R. 2.E.

County Callahan.

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

X		
Sec. 27.		

Water Well Log

Owner George Fairweather Address Logan, Mont.

Driller Van Dyken Drilling Co. Address Bozeman Mont.

Date Started April 3, 1952. Date Completed April 6, 1952.

Location: Sec. 27 T. 2N R. 2E  $\frac{1}{4}$  sec. Along S.O.S.S.  $\frac{1}{4}$  S.E.  $\frac{1}{4}$

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

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

Casing: Solid ft. to 42. ft. Type Steel Size 6 in.

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: 9 ft. 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)

#453

State of Montana /  
County of Gallatin / SS  
Filed Jan 2, 1962  
at 11:32 o'clock A. M.  
Carl Hutton  
COUNTY CLERK  
By Laurel C. Hylwell  
DEPUTY  
Fees \$ 7.00

Form No. 18  
8-60

T. 2.N.2 R. 2.E.

County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

Water Well Log

	Sec 27.	

Owner George Fairweather Address Logan Mont.

Driller Van Dyken Drilling Co. Address Bozeman Mont.

Date Started Jan. 20. 1953. Date Completed Jan. 22. 53.

Location: Sec. 27 T. 2.N. R. 2.E.  $\frac{1}{4}$  sec. S.W.  $\frac{1}{4}$  S.E.  $\frac{1}{4}$

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

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

Casing: Solid ft. to 60.6' ft. Type Steel Size 6.9In.

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: 8 ft. from Top feet.

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

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

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

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

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

(over)

# Log of Well

[illegible]

#452

Form No. 18  
8-60

27

T. 2.N. R. 2.E.  
County Gallatin.

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

Water Well Log

		Sec. 27.	

Owner George Fairweather Address Logan, Mont.  
Driller Van Dyken Drilling Co. Address Bozeman, Mont.  
Date Started July 14, 1952. Date Completed July 18, 1952.  
Location: Sec. 27 T. 2.N. R. 2.E.  $\frac{1}{4}$  sec. S.W.  $\frac{1}{4}$  S.E.  $\frac{1}{4}$

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

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

Casing: Solid ft. to 56 Ft. ft. Type Steel Size 6 in.

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: 6 ft. from top feet.

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

Pumping water level 11 Ft. feet at 30 gal. per min.

How tested:  $\frac{1}{2}$  H.P. Burks & 1 H.P. PIERLES Pumps.

Length of test 8 To 10 Hrs. in Summer time Per Day.

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

(over)

# Log of Well

[illegible]

#451



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

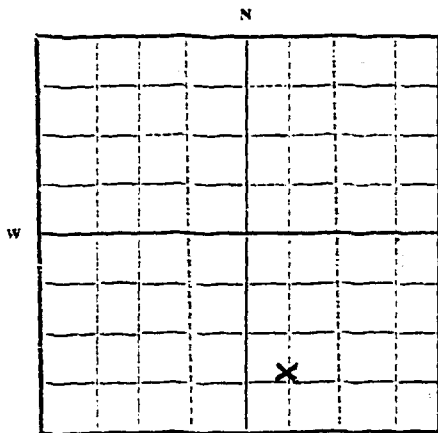
DUPLICATE

T 2 N R 2 E  
County GALLATINSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Theodore & Louise Shannon, of P.R. 1 - Three Forks  
(Name of Appropriator) (Address) (Town)  
County of Gallatin State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 7 T. 2 N R. 2 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 Home use  
Stock water. Garden & field irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1865 Continuous  
Home & stock. 1958 Home stock  
irrigation.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) None any amount.

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  
2.6. Theodore & Louise Shannon

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater (1) 1865 (2) Dec. 23 1958

8. The depth of water table 16 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 (1) Aug. 15 ft. drilled to 29 ft.  
(2) drilled 33 ft.

10. The estimated amount of groundwater withdrawn each year None for home use.  
Irrigation 5. Water for 200 head cattle 5 months

11. The log of formations encountered in the drilling of each well if available Clay to 27 ft. Aug. 2 ft. (2) to 29 ft. gravel & sand.  
11 ft. Clay & gravel 10 clay & sand & gravel & sand.

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

Theodore & Louise Shannon  
12/27/63

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.

1134

State of Montana } ss.  
County of Gallatin }  
Filed Dec 27, 1963  
at 11:00 o'clock P. M.  
Carl Walton  
COUNTY CLERK & RECORDER  
By [Signature] DEPUTY  
Fee \$ 2.00

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

T. 362N R. 2E

DUPLICATE

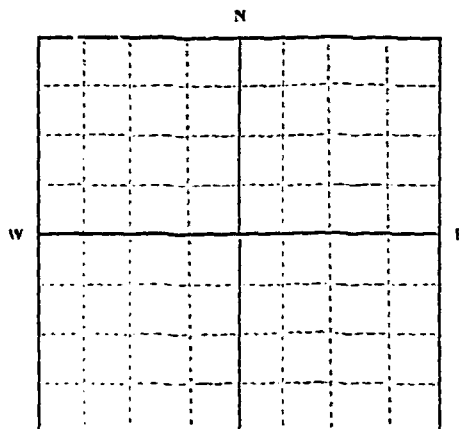
County Gallatin

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Russie M. Kroes, of Box 362 Three Forks  
(Name of Appropriator) (Address) (Town)  
County of Gallatin State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



28, 29, 33, 32 & 4  
1/4 Sec. 7 T. 1-N R. 2E  
Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

**note: see description  
for lands irrigated**

2. The beneficial use on which the claim is based  
sub-irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1870 continuous since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) that quantity of water in the  
aquifer necessary to provide moisture  
for desirable plant growth
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  
1/4 NW 1/4 and NW 1/4 section 28 TS 2N R 2E; SE 1/4 and  
SW 1/4 section 29 TS 2N R 2E; NE 1/4 section 32  
TS 2N R 2E; NW 1/4 E. of county road and NW 1/4 SE 1/4  
section 33 TS 2N R 2E; lots 1 & 2 and NW 1/4 E. of  
county road section 4 TS 1N R 2E
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
not applicable
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 4 1/2 feet to surface year round
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 not applicable
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 applicable

Signature of Owner

Russie M. KroesDate December 31, 1963

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

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

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

35796

1482

DeWitt County, } ss.  
State of Montana }

Filed Dec 31 1967

at 1004 o'clock 9 M.

Earl Wilson

COUNTY CLERK & RECORDER

BY fm DEPUTY

Fee \$ 900

File No.

T. 2N R. 2E

28

DUPLICATE

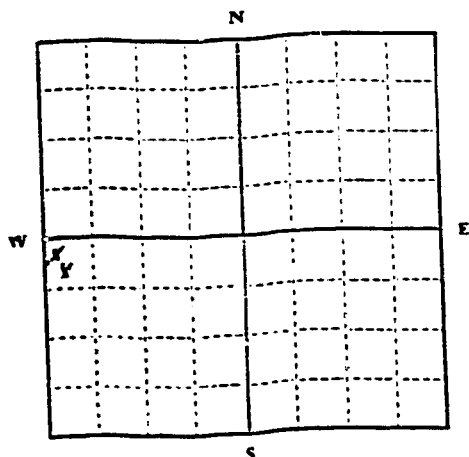
County GALLATIN

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

LILLIAN M. HOTZEL  
1. GEORGE W. HOTZEL of RTE. 1, THREE FORKS  
(Name of Appropriator) (Address) (Town)  
County of GALLATIN State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec 28 T. 2N R. 2E

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

2. The beneficial use on which the claim is based DOMESTIC
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1952 NO. 1  
1961 NO. 2
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 500 GAL. PER MIN.  
200 GAL.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. PUMP
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 2/15/52 STARTED 2/25/52 COMPLETED  
6/12/61 STARTED 6/22/61 COMPLETED
8. The depth of water table. 35' WELL NO. 1 40' WELL NO. 2
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. 35' 40'
10. The estimated amount of groundwater withdrawn each year.
11. The log of formations encountered in the drilling of each well if available. N/A
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 Feb. 7, 1967

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.

4702

2069

State of Montana | ss.  
County of Gallatin |  
Filed February 7, 1967  
at 3:00 o'clock P.M.  
Carl L. Stucky  
County Clerk & Recorder  
By Hee O. Walters  
Deputy  
Fee \$ 2.00

GW

T. ~~2N~~ 2N R. 2E

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

County GALLATIN

DUPLICATE

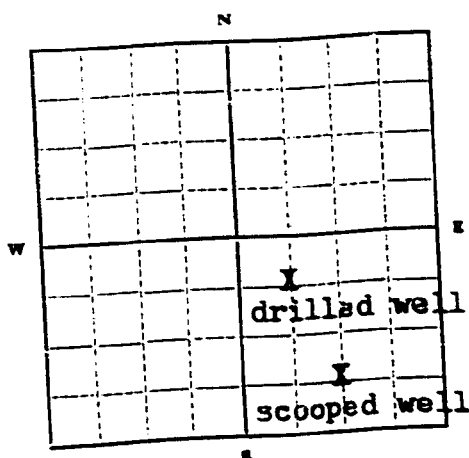
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 15 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. LEO J. LANE of Three Forks, Montana  
(Name of Appropriator) (Address) (Town)  
County of GALLATIN State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



2. The beneficial use on which the claim is based Drilled well, household use and stockwater; scooped well, livestock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Drilled well, 1922; daily use year around; scooped well, daily use year around, since 1930

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gallons per minute, drilled well; 100 gallons a day, scooped well

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof no irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Drilled well, 6-inch steel cased, 40 feet deep, 1/4 horse water pump; scooped well, 10 feet deep from which livestock drink direct

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Drilled well, 1922; scooped well, 1930

8. The depth of water table Drilled well, 10 feet; scooped well 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 Drilled well, 6-inch steel cased, 40 feet deep, 1/4 horse pump; scooped well 10 feet deep from which livestock drink direct

10. The estimated amount of groundwater withdrawn each year Drilled well, 200,000 gallons; scooped well, 200,000 gallons

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

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

Signature of Owner

Date December 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.

35865

1551

State of Montana } ss.  
County of Gallatin }  
Filed Dec - 31, 1963  
at 11:33 o'clock A.M.  
Paul Waller  
COUNTY CLERK & RECORDER  
BY SW  
TAKEN yes



29

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

T. 2N R. 2E

DUPLICATE

County Gallatin

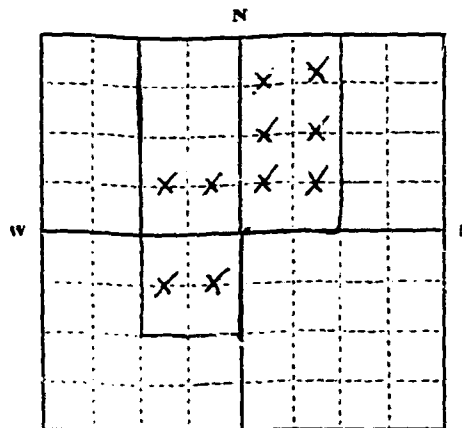
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

JAN 16 1964

1. RUSSIE M. EDWARDS, of Three Forks  
(Name of Appropriator) (Address) (Town)  
County of Gallatin State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

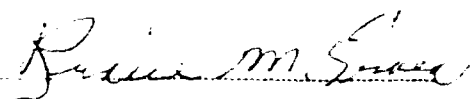


29 & 32  
1/4 Sec. / T. 2N R. 2E

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 water, also augmenting sub-irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1870 - continuous since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approximately ten (10) springs flowing approximately 25 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 NE 1/4 and NW 1/4 of Section 29 and the NE 1/4 of NW 1/4 of Section 32
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal natural springs
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 four and one-half feet (4 1/2') to surface year around
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 2.5 million gallons per year
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 applicable

Signature of Owner


Date 12-31-63

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.

35798

1484

Grant County, } ss.  
State of Montana }  
Filed Dec. 31 1963  
at 19.06 o'clock P. M.  
By [Signature]  
COUNTY CLERK & RECORDER  
Fee \$ 2.00 DEPUTY

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

DUPLICATE

T. 2N R. 2E S. 2ECounty Gallatin

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

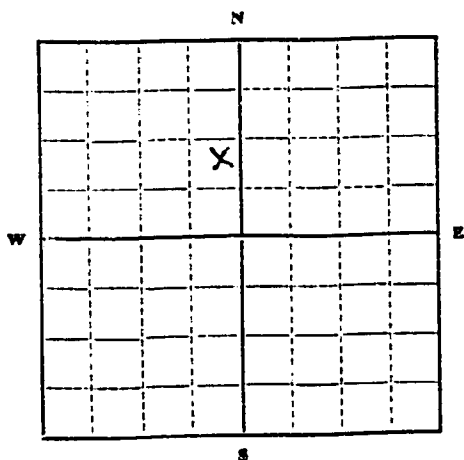
RECEIVED  
DEC 20 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Mr. or Ruth McKittrick of B1 Three Forks Mont.  
(Name of Appropriator) (Address) (Town)  
County of Gallatin State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 8 1/4 Sec. 29 T. 2N R. 2E

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  
Garden & Lawn
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Since Aug 1951  
Daily continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 1000 Gallons per  
Hour
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.  
House Garden Lawn &  
Live Stock
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Hand

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Aug, 1951 & Daily use since Aug 1951
8. The depth of water table. 35 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. 70 ft. Deep 35 ft. of water  
in hole, steel casing & cemented
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.  
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

Date Dec 16, 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.

913

State of Montana ss.  
County of Gallatin  
Filed Dec 19, 1963  
at 9 + 0 o'clock AM.  
Earl H. Hutton  
COUNTY CLERK & RECORDER  
By D. St.  
DEPUTY  
Fee \$ 2.00

WELL # 1

T. 2N R. 2E 30  
County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

RECEIVED


Owner City of Three Forks Address Three Forks, Montana  
Driller Harry Van Dyken Address Manhattan, Montana  
Date Started May 27, 1933 Date Completed June 20, 1933  
Location: Sec. SW $\frac{1}{4}$ , SE $\frac{1}{4}$  T. 2N R. 2E  $\frac{1}{4}$  sec.

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

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

Casing: 4 ft above ft. to 80 ft in ft. Black Steel  
the ground the ground Type 50 lb to the Size 12 in.  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 75 to ft. 125 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations 10 in. black slotted casing weight 40 lb. per ft.

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

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

Pumping water level 105 feet at 150 gal. per min.

How tested: Pump and Meter

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	
Top of Ground	(Elev. above sea level 4600)	
18in	soil	
	First water at 4 ft.	
5ft	Water 5 ft. from top	
2 ft	gravel	
	Just a little water from 25ft to 32 ft.	
	Shale hard and soft layers of with thin layers of sand	
125	bottom	

Guthrie County, Iowa  
Soils of Guthrie Co., Ia.  
April 3, 1911  
Carl M. Allen  
By J. Morrison

WELL # 2

T 2N R 2E

30

County GallatinMONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED

## WATER WELL LOG

STATE ENGINEER


Owner Town of Three Forks Address Three Forks, MontanaDriller Harry Van Dyken Address Manhattan, MontanaDate Started April 29, 1935 Date Completed June 5, 1935Location: Sec. 30 T. 2N R. 2E  $\frac{1}{4}$  sec. SW $\frac{1}{4}$  of SE $\frac{1}{4}$ Type of well Drilled (Dug, driven, bored, or drilled) Equipment used \_\_\_\_\_ (Churn drill, rotary, other)Water use: Domestic ☐ Municipal ☒ Stock ☐ Irrigation ☐Industrial ☐ Drainage ☐ Other: \_\_\_\_\_Casing: top ft. to 80' 9" ft. Type Black 36 $\frac{1}{2}$  lb per ft Size 12 $\frac{1}{2}$ 

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

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

Perforated or Screened: Ft. 75' 6" to ft. 150' Ft. \_\_\_\_\_ to ft. \_\_\_\_\_Type of screen or perforations 10" Black  $\frac{1}{2}$ " slotsStatic Water level, for non-flowing well: 18 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		Description of Material Drilled
From	To	
Top of Ground		(Elev. above sea level 4600 more or less)
0	8ft	soil
8	24ft	gravel
24	35 ft	shale
35	50	sand
50	65	shale 6in. rock at 65 ft.
18	150	water all the way from 18 to 150 ft.
65	150 ft	shale
	150	

*See J. M. M. M.*  
*Card 11/11/11*  
 APR 11 3 9:22  
 A



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

T. 2N R. 2E

DUPLICATE

County GALLATIN

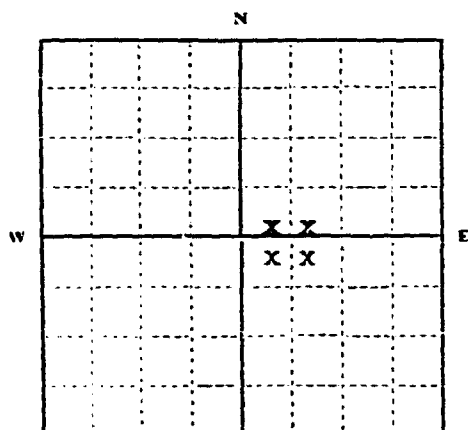
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

JAN 15 1964

1. LEO J. LANE, of Thres Forks  
(Name of Appropriator) (Address) (Town)  
County of Gallatin State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



W $\frac{1}{2}$ NE $\frac{1}{4}$  & E $\frac{1}{2}$ E $\frac{1}{2}$  Less 40 A. E. S. NE $\frac{1}{4}$

$\frac{1}{4}$  Sec. 33 T. 2N R. 2E

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

2. The beneficial use on which the claim is based stockwater  
from 1920, enlarged for stockwater and  
fishpond in 1963

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920, daily year around

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 500 gallons per day

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  
scooped pond

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1920, enlarged for stockwater and fishpond in 1963  
to approximately 20 acres

8. The depth of water table 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 scooped pond

10. The estimated amount of groundwater withdrawn each year 2000000 gallons

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

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

Signature of Owner Leo J. Lane

Date December 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.

35866

1552

State of Virginia ss.  
County of Albemarle

Subscribed and sworn to before me this Dec-31, 1933

1134 Cell.

Paul Miller

40

700

File No. ....

DUPLICATE

T 17 R 28County Gallatin

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER  
MAR 13 1964

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Frances C. Weber Address Three Forks, Mont.  
Route 1, Box 12  
Driller Harold Hulbert Address Stone House Mt.

Date of Notice of Appropriation of Groundwater March 12, 1964Date well started July 24-1962 Date Completed July 26-1962

Type of well drilled Equipment Used Churn  
(dug, driven, bored or (Churn drill, rotary or  
drilled) 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)
7"	6500' 14162'	0	219			

Static Water Level for non-flowing Well 23 feet.

Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 3.7 feet at 25 gal. per minute.

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

How Tested Bailer Length of Test 3 hrs

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 47Driller's Signature Harold B. Hulbert

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.

35448

#1838

State of Montana }  
County of Gallatin } ss.  
Filed **March 12**  
at **2:15** **P.** 1964  
o'clock **M.**  
**EARL WALTON**  
COUNTY CLERK & RECORDER  
By *Paul A. Mape*  
DEPUTY  
Fee \$ **2.00** pd.

Form No. 18  
8-60

35

I. 2N R. 2E  
County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
OCT 27 1960

Water Well Log


STATE ENGINEER

Owner Faye Johnson Address Logan Mont.  
Driller Barber & Sower Address Willow Creek  
Date Started Oct 20-60 Date Completed Nov-10-60  
Location: Sec. 35 T. 2N R. 2E  $\frac{1}{4}$  sec. NE 1/4

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

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

Casing: 0 ft. to 21 ft. Type 6 Size Black

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: 38 feet.

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

Pumping water level 47 feet at 20 gal. per min.

How tested: With Drill Baler

Length of test 4 hours

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

Drilled to 67'  
Casing cemented at 21' in Solid limestone

(over)

## Log of Well

[illegible]

35

File No.

T. 2N R. 2E

DUPLICATE

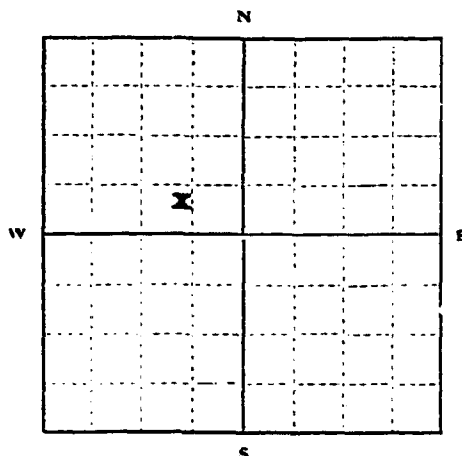
County Gallatin

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)

1. Simon Johnson, of Logan, (Name of Appropriator) (Address) (Town)  
County of Gallatin State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 35 T. 2N R. 2E

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

2. The beneficial use on which the claim is based Well, household and domestic use and watering lawn and flowers
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1948, household and domestic use daily each year, irrigating lawn and flowers occasional use May-September each year
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 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 Lot 10, Block E, Milwaukee Addition, Logan, Montana, Simon Johnson, owner

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well located in 1st Street west of Lot 9, Block E, Milwaukee Addition, Logan, pipe from well to house on Lot 10, said block and addition, electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater informed and believe and state well constructed by Mike and Will Crowley about 1910; appropriator Simon Johnson hooked up to well in 1948 by pipe to house on said Lot 10 and installation of pump
8. The depth of water table approximate 100 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 130 foot well, cased with pipe to solid rock, and drilled into or beyond rock

10. The estimated amount of groundwater withdrawn each year 100 gallons per day

11. The log of formations encountered in the drilling of each well if available clay-gravel and lime rock

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 Plat of Logan, Gallatin County, Montana

Signature of Owner Simon Johnson

Date December 13, 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.

954

871

State of Montana } ss.  
County of Gallatin }  
Filed Dec. 16, 1963  
at 9:25 o'clock A M.  
Earl Walton  
COUNTY CLERK & RECORDER  
By [Signature]  
DEPUTY  
Fee \$ 2.00



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

STATE WATER CONSERVATION BOARD

T. 2N R. 2E

DUPLICATE

County Gallatin

OCT 21 1966

LOG

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

E

S

C

B

D

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

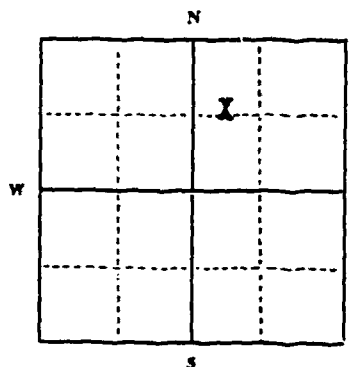
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner TOM OIGEAddress LOGAN, MONTANADriller VAN DYKEN DRILLING CO. Address BOZEMAN, MONTANADate of Notice of appropriation of groundwater NONEDate well started June 7/66 Date completed June 9/66Type of well Drilled Equipment used Cable tools  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" O.D. 17 1/2 per ft.	0	39'	none		

Static Water Level for non-flowing well 26' feet.Shut-in Pressure for Flowing Well nonePumping Water Level 36' feet  
at 15 gal. per minute.Discharge in gal. per min. of flowing well noneHow Tested Bailer.Length of Test 1 hr.

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

NW 1/4 Sec. 35 T. 2N R. 2E  
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.

LICENSE NO. 1

Driller's License Number

Driller's Signature

41, 571

2051

State of Montana }  
County of Gallatin } ss.  
Filed October 28, 1966  
at 9:45 o'clock A. M.  
Carl L. Stucky  
County Clerk & Recorder  
By [Signature]  
Deputy  
Fee \$ 2.00

County Callatin

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

# NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

**Developed after January 1, 1962**

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

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

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

Owner Donna M. Castle

Address 2040 W 1st

Manhattan Int. H.

Date well started

completed

Type of well filled

(Dug, driven, bored or drilled)

### Equipment used

(Churn drill, rotary or other)

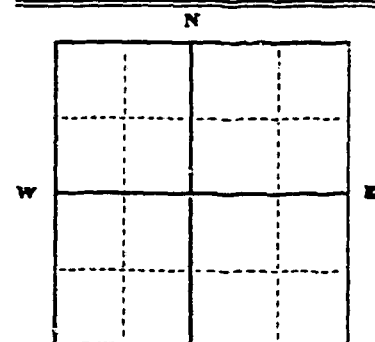
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☒

**\*Describe**

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

## ESTIMATED ANNUAL WITHDRAWAL

[illegible]

Static water level ..... 70 ..... ft.  
Pumping water level ..... ft.  
at ..... gallons per minute,  
measured ..... minutes after pumping  
began.

\*Measured from ground level.

Well developed by .....  
for ..... hours.

Power..... $\frac{1}{2}$ ..... Pump..... $\frac{1}{2}$ ..... HP

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

Lots 17, 18, <sup>5</sup>0. P. Logan, Mont.

T.  $\frac{1}{4}$  28  $\frac{1}{4}$  Sec. 36 N R. 28 E  $\frac{1}{4}$  S W

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

**Driller's Signature****Driller's Address**

**LICENSE NO.**

### Top of Ground

(Elev. above sea level)

From (Feet)	To (Feet)
----------------	--------------

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

**DRILLER'S LOG**

To Mr Show exact depth of bottom

52,063

# 3172

State of Montana }  
County of Gallatin } ss.  
Filed Dec. 18, 19 72  
at 9:30 o'clock AM.  
Carl L. Stucky  
County Clerk & Recorder  
By Lucille G. Bridger  
Deputy  
Fee \$ 2.00 pd.

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

T 2<sup>N</sup> 2<sup>E</sup>

**TRIPLICATE**

County Collins

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**Julius E. Roman**

**Charles Sarton**

1. Delbert Karlstrom or Deria

of

## Logan Institute

**Logan Antena**

~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~  
(Town)

County of Colusa

State of



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

A blank 10x10 grid with a central vertical line. The top edge is labeled 'N', the bottom edge 'S', the left edge 'W', and the right edge 'E'. The top-left cell contains the letter 'X'.

**N** of file Sec. 36 T 2 R 2 V

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

2. The beneficial use on which the claim is based Domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1900 continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1800 gallons daily
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  
Electric Pump
7. The cost of the construction of the well, wells, or other works for withdrawing water  
none
8. The depth of the well or other means of withdrawal  
35 feet
9. The size and depth of each well or the general specifications of any other equipment used  
65 foot deep
10. The quantity of water withdrawn each year \_\_\_\_\_
11. The drilling of each well if available unknown
12. Any other information as may be useful in carrying out the policy of this act, including title record \_\_\_\_\_

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.

T 2<sup>N</sup> 2<sup>R</sup> 2<sup>E</sup>

County Garfield

RECEIVED  
JUN 1 1952

## STATE ENGINEER

**103-104**

**Logan Mortimer**

**Logan Fontana**

of

(Address)

~~Legal Notice~~  
(TOWN)

**State of**

**Abstract**

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

2 The beneficial use on which the claim is based Domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1900 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1800 gallons daily

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

15. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal \_\_\_\_\_  
Electric Pump

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

8. The depth of water table.....35 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 65 feet deep

10. The estimated amount of groundwater withdrawn each year.

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

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 \_\_\_\_\_

*Herbert K. Kestner*  
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.

# 489

535

State of Montana } ss.  
County of Gallatin }  
Filed April 30, 1962  
at 1.50 o'clock P. M.  
Carl Walton  
COUNTY CLERK & RECORDER  
By [Signature]  
DEPUTY  
Fee \$ 2.00

2N 2E - 36

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

T. 2N R. 2E

DUPLICATE

County Gallatin

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

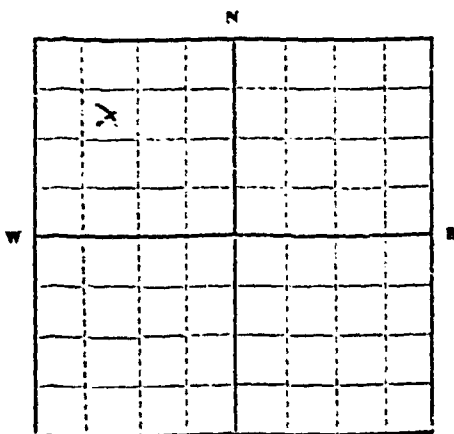
RECEIVED  
AUG 28 1963

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Laura Mae Hupke of Logan  
(Name of Appropriator) (Address) (Town)  
County of Gallatin State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Original Pkt. Logan, Mont.  
Lots 16, 17 & 18 Blk. 2  
NW 1/4 Sec. 36, 2N 2E  
Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based  
Household purposes
3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
Approximately twenty five years and steady flow.
4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
twenty five gallons
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Electric centrifugal pump  
O.P. Logan Lot 16 Blk 2.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
Approximately 1938.
8. The depth of water table  
unknown
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
Type—malleable. Size—four inches. Depth—sixty to seventy ft.
10. The estimated amount of groundwater withdrawn each year  
150,000 gallons
11. The log of formations encountered in the drilling of each well if available  
unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record  
unknown

Signature of Owner Laura Mae Hupke

Date August 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.

6505



693

State of Montana )  
County of Gallatin ) ss.  
Filed Aug. 27, 1963.  
at 1:40 o'clock P. M.  
Carl Nelson  
COUNTY CLERK & RECORDER  
By [Signature]  
DEPUTY  
Fee \$ 2.00

File No. ....

T 2 N R 2 E

DUPLICATE

County Gallatin

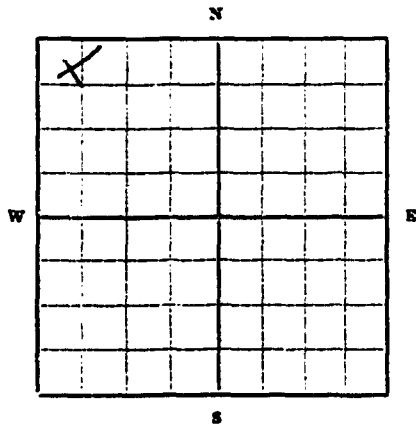
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

JAN 15 1962

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



NW 1/4 Sec. 36 T. 2 N. R. 2 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 ordinary uses.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been since 1960
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1200 gallons per hour.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July, 1960
8. The depth of water table 100'
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 90,000 gallons
11. The log of formations encountered in the drilling of each well if available from Parker and Lower, Willow Creek, Mont.
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

*Mary J. Crowley*  
*Cliff of South*

Date December 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 School of Mines and Quadruplicate for the Appropriator.

35685

1371

RECEIVED  
COUNTY OF CALIFORNIA

12-30 1963  
3:06 P.M.

Carl Walton  
CLERK

Thema Fisher  
JEE

Fee 5

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

DUPLICATE

T. 24 R 2ECounty Gallatin

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

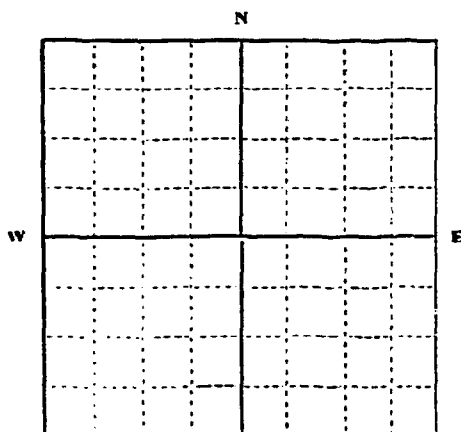
JAN 15 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

VIRGIL AND ALVEN MILLER  
(Name of Appropriator) (Address) (Town)

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



Sec 36 T. 24 R. 2E  
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 Good water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1925
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 470 gpm
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 1 1/2 in. Pw  
motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 8/
8. The depth of water table 63-75
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 2,000,000
11. The log of formations encountered in the drilling of each well if available not known
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 Virgil and Alven MillerDate Jan 30 1964

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.

33461

1322

State of Nevada,                      ss.  
County of Esmeralda  
Filed 12-30, 1953  
at 1:20 o'clock P.M.  
Carl Wallan  
CLERK OF DISTRICT COURT  
By Theresa Tucker  
DEPUTY  
Fee \$ 2.00

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

T. 2N R. 2E

DUPLICATE

County Gallatin

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
NOV 26 1963

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Northern Pacific Railway Company, of N.P. Depot Logan  
(Name of Appropriator) (Address) (Town)  
County of Gallatin State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

	X				

NE 1/4 SW Sec. 36 T. 2N R. 2E

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

- The beneficial use on which the claim is based  
Domestic purposes, fire protection
- Date or approximate date of earliest beneficial use; and how continuous the use has been  
1940 to present
- The amount of groundwater claimed (in miner's inches or gallons per minute)  
100 gallons per minute
- 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
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Turbine pump
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
Completed 1940
- The depth of water table  
8 feet
- 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  
8 inch drilled well, 125 feet deep
- The estimated amount of groundwater withdrawn each year  
150,000 gallons
- The log of formations encountered in the drilling of each well if available  
see attached log 38
- 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 NOV 8 '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.

#777

State of Montana } ss.  
County of Gallatin }

Filed November 21, 1963

at 4:21 o'clock P. M.

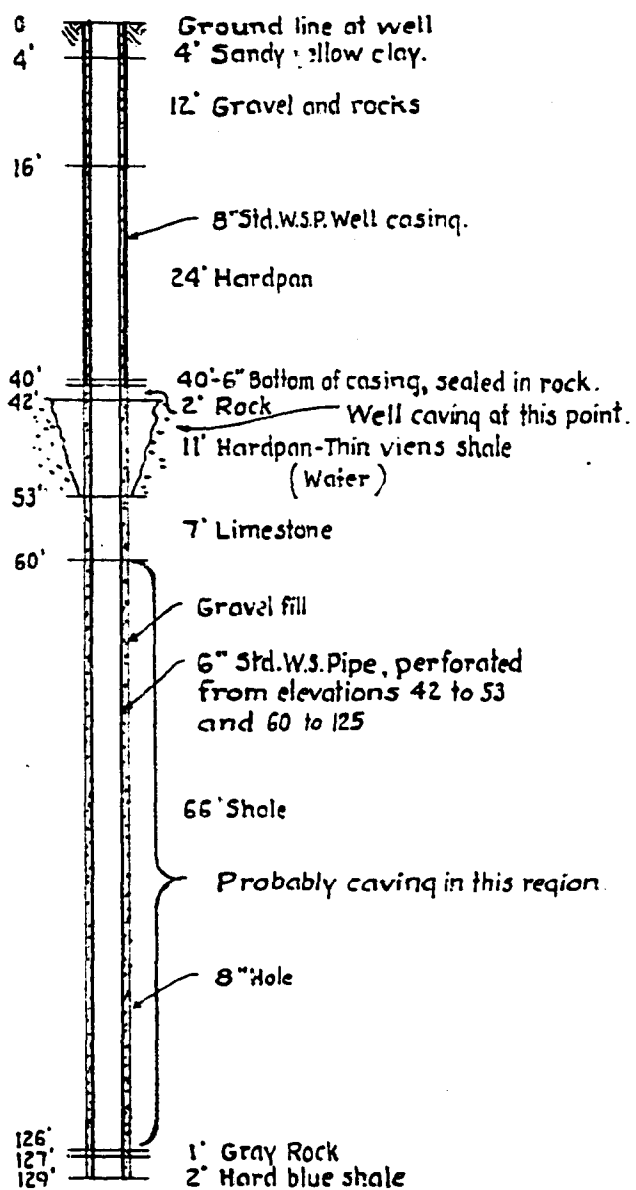
Carl Walton

COUNTY CLERK & RECORDER

By Leah A. Maxwell

DEPUTY

Fee \$ 1.00 pd.



Logan, Mont.  
Drilling begun  
Completed  
Total depth of well  
Drilled by A.M. Boelter,  
N.F. Ry. Co.

See  
Rocky Mo

NOTE: For details of 6 perforated pipe  
and gravel fill, see Well log record Mont. 38A



36

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

T 2N R 2E

DUPLICATE

County Gallatin

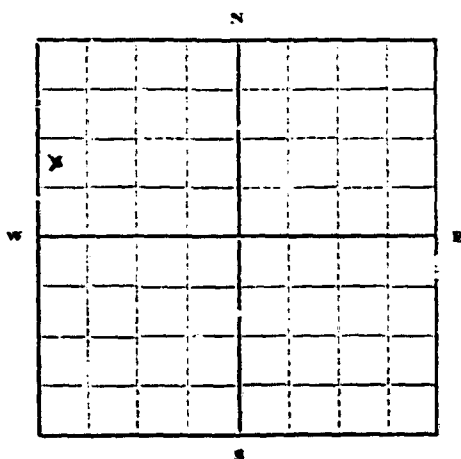
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
NOV 26 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Co. of N.P. Section House Logan  
(Name of Appropriator) (Address) (Town)  
County of Gallatin 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 Sec. 36 T. 2N. R. 2E

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

2. The beneficial use on which the claim is based  
Domestic purposes
3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
Sept. 7, 1944
4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Jet pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
Started Aug. 29, 1944 Completed Sept. 7, 1944
8. The depth of water table  
30 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
6 inch drilled well 34 feet deep
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  
see attached log 383
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 [Signature]

Date Nov 8 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.

#776

State of Montana }  
County of Gallatin } ss.

Filed November 21, 1963

at 4:22 o'clock P. M.

By Carl Walton

COUNTY CLERK & RECORDER

By Lucille A. Maxwell

DEPUTY

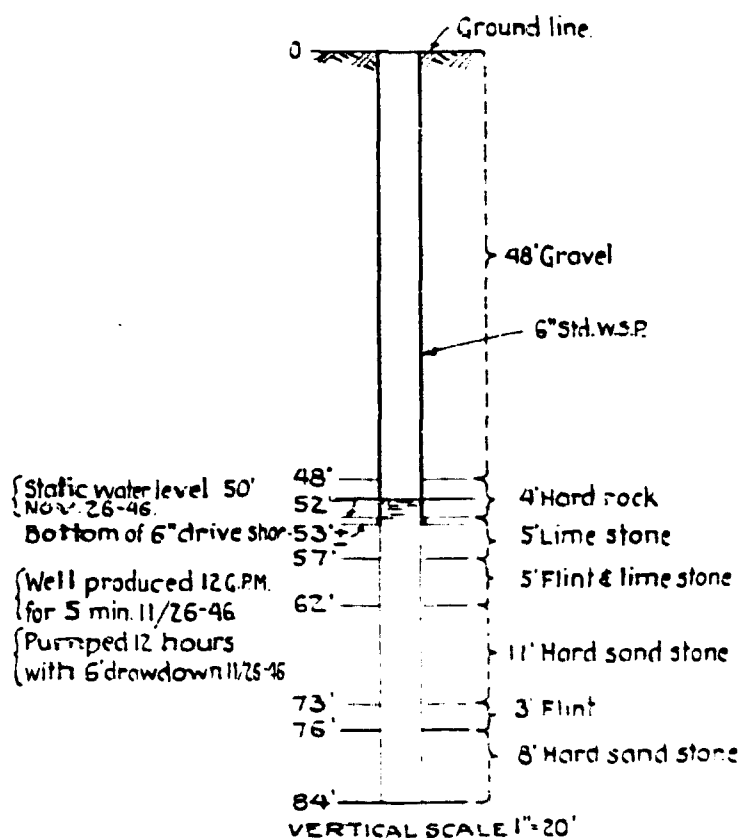
Fee \$ 2.00 pd.

MO  
July 23  
Rocky Mtn

# LOGAN, MONT. SECTION HOUSE WELL

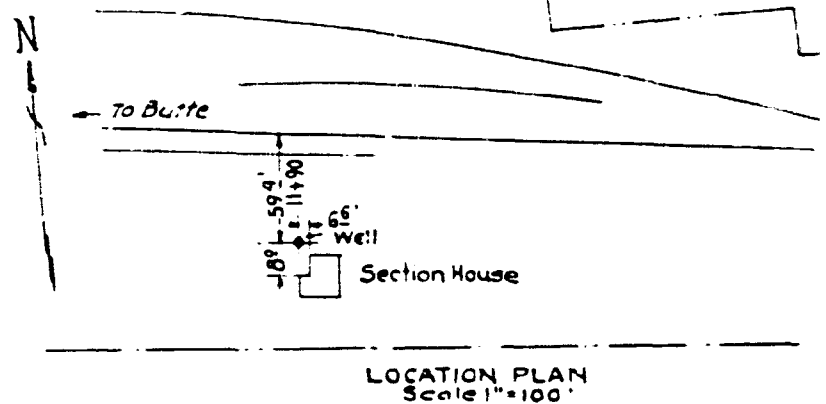
6" Well, 84' deep.

{ Well drilled to 52' by G.E. Brennise, N.P.Ry.  
{ work begun 8/29-44, completed 9/7 44, charge to O.E.  
{ Well deepened to 84' by E.A. Bodin, N.P.Ry.  
{ work begun 11/7-46, completed 11/23-46, AFE. 766-46.



Water Analysis		Apr. 13-47	
Calcium bicarbonate	13.3	G.P.G.	Ex Ca
" sulfate	0.9	"	
Magnesium "	6.6	"	
Sodium carbonate	0.0	"	
" bicarbonate	0.0	"	
" sulfate	3.5	"	
" chloride	1.2	"	
Silica	1.1	"	
Iron	2.6	P.P.M.	
Total dissolved solids	26.6	G.P.G. (actu	
Turbidity	25		

Note: See file 1149-1, for drilling and test  
Office of Engineer of Water Service, St.



File No.

T **2N** R **2E**

DUPLICATE

County **SALLATIN**

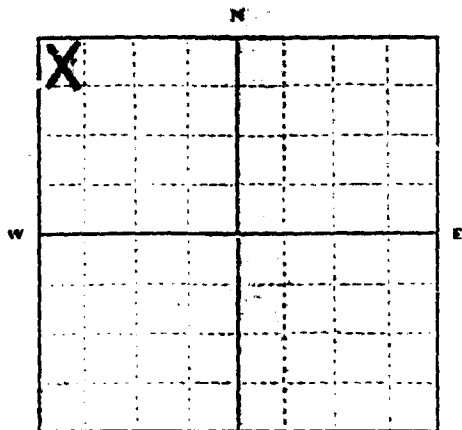
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
DEC 23 1963  
STATE ENGINEER

1. **SHERLEY W. WALBERT** of **BOX 645 LOGAN MONT**  
(Name of Appropriator) (Address) (Town)  
County of **SALLATIN** State of **MONTANA**  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



**N 1/4 NE Sec 36 T. 2 R. 2E**

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 **HOUSEHOLDS**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **APRIL 1940 EXISTENT CONTINUOUS**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **150 GALLONS PER MIN**
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **ELECTRIC PUMP**
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 **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 **6 INCH CASING 120 FEET DEEP**
10. The estimated amount of groundwater withdrawn each year **17250 GALLONS**
11. The log of formations encountered in the drilling of each well if available **UNKNOWN**
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date

*Sherley W. Walbert*  
**DEC 6 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.

955

State of Montana }  
County of Gallatin }  
Filed Dec 20 1983  
at 2:45 o'clock P-M.  
\_\_\_\_\_  
COUNTY CLERK & RECORDER  
\_\_\_\_\_  
DEPUTY  
Rec'd 29 pd

File No.

T 2N R 2E

DUPLICATE

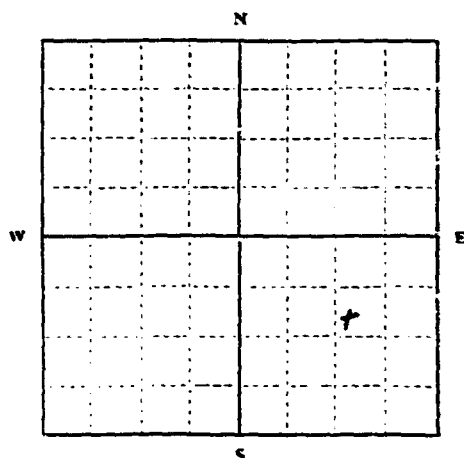
County Gallatin

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Duane D. & Rita Aughey, of Route 1 Three Forks  
(Name of Appropriator) (Address) (Town)  
Gallatin Montana  
County of State of  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 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 Domestic household and yard irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 30, 1958; continuous since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12.5 gal per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Approx. 300 feet square. Duane D. & Rita Aughey
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Shallow well pump 750 gal per hour capacity. NE 1/4 of SE 1/4

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 30, 1958
8. The depth of water table Static level from surf (6) six feet water lowered to (8) eight feet after 1 hour and remain for six hours continuous pumping.
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 0-3' topsoil, 14' river gravel and sand, 2' yellow clay, 6' sand and clay and 3' sand and gravel total 25' depth of well. Cased with 6 inch casing from 0 to 25 feet.
10. The estimated amount of groundwater withdrawn each year 821,250 gallons
11. The log of formations encountered in the drilling of each well if available same as item 9 above
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 Duane D. Aughey  
Rita Aughey

Date

December 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.

#1201

State of Montana {  
County of Gallatin } ss.  
December 30  
Filed 9:19, 1963  
at 9:19 M.  
RECORDED  
By *Helena Fiddie*  
2.00 DEPUTY  
Fee \$

T. 2N R. 2E  
County GALLATIN

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JAN 2 1962

WATER WELL LOG

STATE ENGINEER

Owner MILDRED LESTER A. ELBERT Address LOGAN, MONT.

Driller UNKNOWN Address \_\_\_\_\_

Date Started UNKNOWN Date Completed OVER 40 YRS

Location: Sec. 36 T. 2N R. 2E sec. ORIGINAL PLAT - LOGAN BLOCK 6 - LOT 3


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

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

Casing: 0 ft. to 73 ft. Type \_\_\_\_\_ Size 5 INCH

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)



#290

Gallatin County, )  
State of Montana. ) ss.

Filed Dec 28, 1961

at 10:36 o'clock AM.

W. J. Morrow

COUNTY CLERK & RECORDER

By W. J. Morrow  
DEPUTY

Fee \$ 7.00 pd.

RECEIVED  
MAY 27 1958

T. 2N R. 2E S. 36  
Gallatin  
County

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Elsie L Peterson Address Box 577 Logan, Mont  
Driller Van Dyken Address 403 Villard-Bozeman, Mont  
Date Started April 28 1949 Date Completed May 17, 1949  
Lots 4, 5, 6, 7, 8 Riverview add.  
Location: Sec. 36 T. 2N R. 2E 1/4 sec.

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐

Drainage ☐

Other:

Casing: 39' ft. to 39' ft. Type Black steel Size 6"

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: 41' feet.

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

Pumping water level: 49' feet at 10 gal. per min.

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

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

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

(over)

### Log of Well

[illegible]

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

T 2N R 2E 35  
County Gallatin

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
DEC 4 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. H. F. Snow of Logan  
(Name of Appropriator) (Address) (Town)  
County of Gallatin State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:


2. The beneficial use on which the claim is based well is used  
as domestic water supply

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1942 continuous use since that date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 gallons daily (est)

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 domestic use only

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater about 1937

8. The depth of water table 80 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, metal cased well, total depth about 100 feet

10. The estimated amount of groundwater withdrawn each year 36,500 gallons

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

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

Signature of Owner \_\_\_\_\_

Date Nov. 15, 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.