

File No.

T. 2 S. R. 5 E

DUPLICATE

County Beaumont

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 16 1963

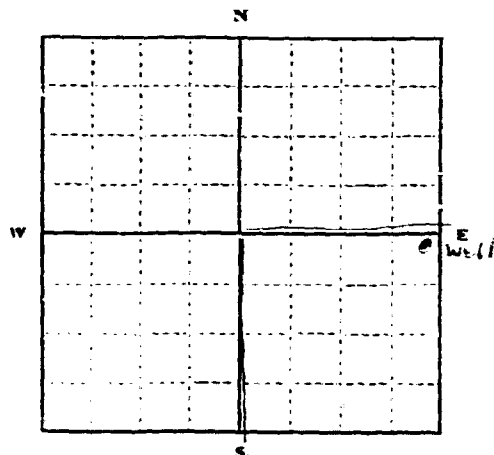
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Harvey Griffin, of Box 127 Bozeman,
(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:



NE 1/4 Sec. 21, T. 2 S. R. 5 E

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

2. The beneficial use or which the claim is based
subirrigated pasture, hay and grain

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1880 and continuous since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 miner's inch units by location

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
subirrigation for total acreage

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

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 5 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
artificial works
domestic and stock well 200 gallons per day

10. The estimated amount of groundwater withdrawn each year 24,000 gal per acre (well only)

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 Harvey Griffin

Date Dec 30, 1963

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

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

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

1252

State of Montana)
County of Gallatin) SS
Date 12-30, 1963
at 10-58 o'clock A. M.
Montana
COUNTY CLERK & RECORDER
By [Signature]
Fee \$ 700

3012

State of Montana ss.
County of Gallatin

Filed Oct 18, 1971

at 3:45 o'clock P.M.

Paul L. Stuchis
County Clerk & Recorder

By Alta M. Horgan
Deputy

Fee \$ 2.00

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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 may be returned.

For Administrator's Use	
File	<u>2985</u>
	<u>July 16, 1971</u>
	<u>9:15 AM</u>
GW 1	

Owner Lee L. Terrell & Sam J. Cotterell
2411 Highland Blvd. 1026 E. Babcock
Address Bozeman, Mont. Bozeman, Montana

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed _____

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) Ditch along West Side of Section 21-T2 So. R5 East NW 1/4 NW 1/4 NW 1/4
This is a waste water ~~the~~ ditch.

2. Means of withdrawing water (gravity, pump, canal, etc.) Ditch or Pump

3. Depth of water table _____

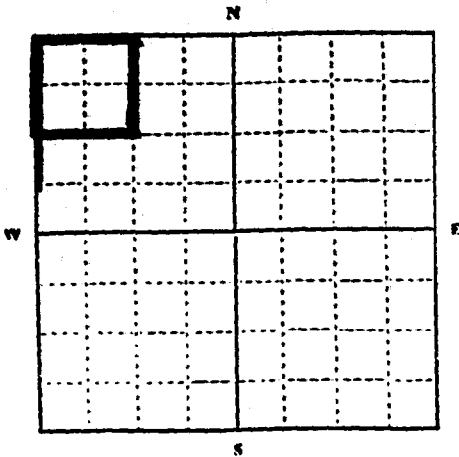
4. Use of the water Irrigation & Stock

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

6. If used for irrigation, give number of acres and description of land Ten acres—of Sec 21 T2 So. R5 East NW 1/4 NW 1/4 NW 1/4

7. Estimate amount of water used each year Stock water and Irrigate acreage twice in summer.

8. Months of year spring flows Water flows in this ditch most of April, May, June, July, August and sometimes Sept.



NW 1/4 NW 1/4 NW 1/4 Sec. 21
T. 2 So. 5 East
N R. E
S W

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated

Ditch along West Side of Sec 21 T2 So. R5 East NW 1/4 NW 1/4 NW 1/4

Signature of Owner Lee L. Terrell

Date July 15, 1971

2985

State of Montana }
County of Gallatin } ss.
Filed July 16, 1971
at 9:15 o'clock A.M.
Carl L. Stucky
County Clerk & Recorder
By Franklin Bridges
Deputy
Fee \$ 2.00

23-5E
County Gallatin 21

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

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.

(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 Jim Williams
Address Star Route
Box 56-L
Bosman, Montana
Date well started Nov. 16
completed Nov. 24, 1972

For Administrator's Use	
File #	<u>3180</u>
Date	<u>Jan 10, 1973</u>
Time	<u>GW 1 3:20 p.m.</u>

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

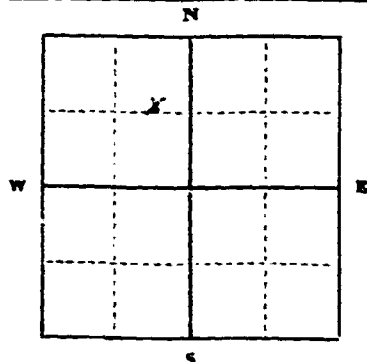
Equipment used cable tool
(Churn drill, rotary or other)

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6"</u>	<u>17#</u>	<u>+1</u>	<u>42' 6"</u>			



Static water level 12 ft.*
Pumping water level 22 ft.*
at 30 gallons per minute,
measured _____ minutes after pumping began.
*Measured from ground level.
Well developed by bailer
for 4 hours.
Power _____ Pump _____ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NE 1/4 NW 1/4 Sec. 21
T. 2 S. R. 5 E
S W

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

Driller's Signature Robert A. Potts
Driller's Address Potts Drilling and Developing

Route 1, Bosman, Montana LICENSE NO. 150

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>2</u>	<u>topsoil</u>
<u>2</u>	<u>25</u>	<u>orange dirty gravel</u>
	<u>25</u>	<u>S.V.T.</u>
	<u>25</u>	<u>Layers of dirt to</u>
	<u>41</u>	<u>clear sand and gravel</u>

41' Show exact depth of bottom

52,246

3180

State of Montana)
County of Gallatin) ss.

Filed Jan. 10 1973

at 3:20 o'clock P.M.

Carl L. Stucky

County Clerk & Recorder

By Leah M. Bridges

Deputy

Fee \$ 2.00 pd

File No. _____

T 2 S R 5 E

DUPLICATE

County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Bert or Kathy Hamilton Address 620 N. Tracy

Driller M.E. Jones Address Billings

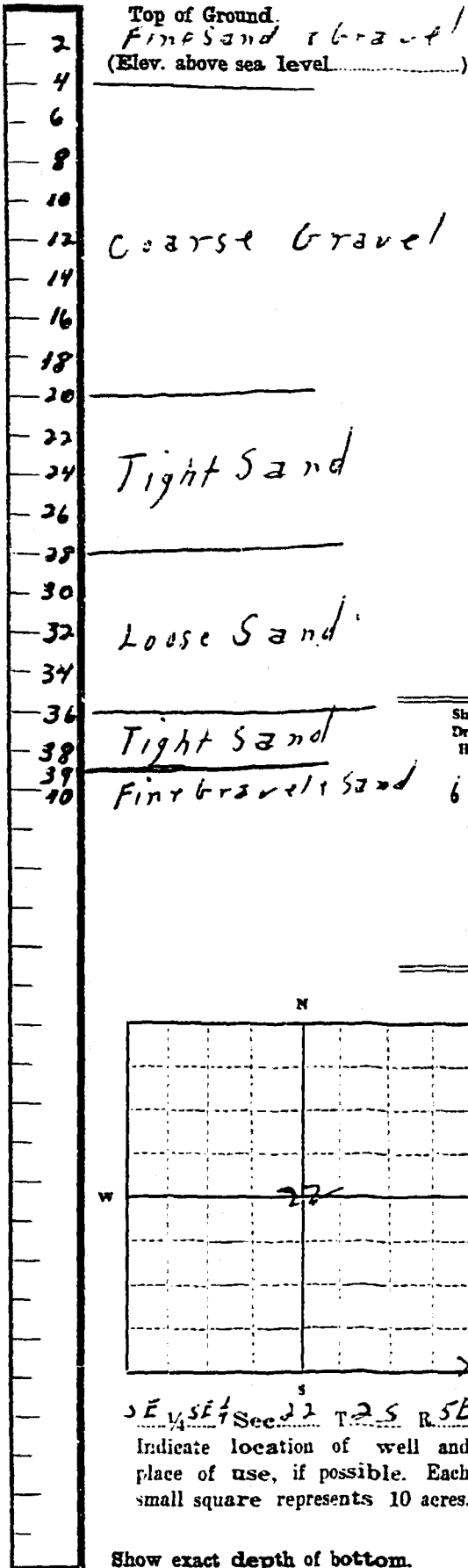
Date of Notice of Appropriation of Groundwater _____

Date well started 3-26-62 Date Completed 3-30-62

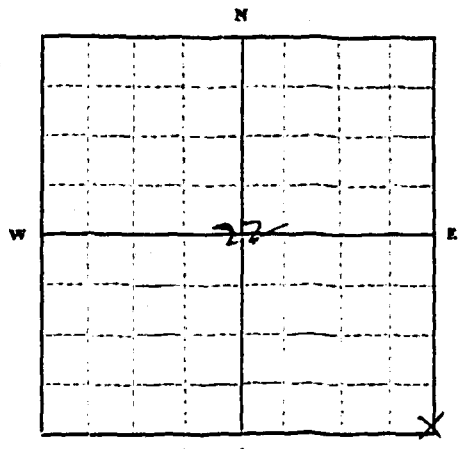
Type of well Drilled Equipment Used Churn Drill
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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)
6"	6 5/8 OD x 15 #1 Heavy	1' Above Ground	39'			



SE 1/4 Sec. 22 T. 2 S. R. 5 E

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 7 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 39 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Pump Length of Test 1 Hour

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)

17
Driller's License Number

Milton E. Jones
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.

442164

State of Montana)
County of Gallatin) ss.

Filed Aug 16 1955

at 584 9:00 AM

[Signature]
COUNTY CLERK & RECORDER

By _____

For _____ DEPUTY

E _____

Co: _____

File. _____ 362

at _____

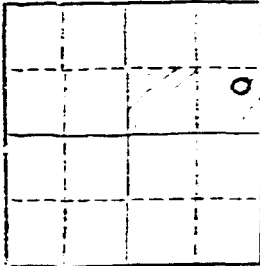
Fee \$ _____

T. 23 N. R. 5 E. 1/4 ²²
 County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
 Butte, Montana

Sec 22, 25-SE

WATER WELL LOG



Owner: Callie Ethel Skinner Address: Gallatin Gateway
 Digger: Dig by Ernest Medley Address: Enzeman, Montana
 Date Started: 1913 Date Completed: 1913
 Location: Sec. 22 T. 23 N. R. 5 E. 1/4 sec. South 1/2 of NE 1/4

Type of well: Dug, tiled, and filled Equipment used: Hand labor
Dug, driven, bored, or drilled (Churn drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation Garden
 Industrial Drainage Other: _____

Casing: 12 inch tile to 12 feet 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: _____ No perforations, water comes in from gravel bottom

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

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

Pumping water level was not lowered appreciably _____ feet at _____ 300 gal. per hour ~~600 gal. per hour~~

How tested: With electric pump delivering 300 gal per hour

Length of test: Approximately 5 hours during irrigation of yard and garden

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
 During the above test on the irrigation of yard and garden the well
 was never pumped dry

(over)

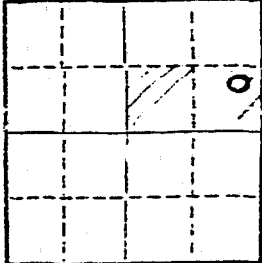
T. 2 South R. 5 East 22
County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
STATE ENGINEER

Sec 22, 25-SE

WATER WELL LOG



Owner: Cella Ethel Skinner Address: Gallatin Gateway
Digger: Dug by Ernest Hoodley Address: Bozeman, Montana
Date Started: 1913 Date Completed: 1913
Location: Sec. 22 T2 South R. 5 East, sec. South 1/2 of NE 1/4

Type of well: Dug, tiled, and filled (Dug, driven, bored, or drilled) Equipment used: Hand labor (Chain drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation Garden
Industrial Drainage Other: _____

Casing: 12 inch tile ft. to 12 feet 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: No perforations, water comes in from gravel bottom

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

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

Pumping water level was not lowered / appreciably _____ feet at 300 gal. per hour ~~4233333333~~

How tested: With electric pump delivering 300 gal per hour

Length of test: Approximately 5 hours during irrigation of yard and garden

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
During the above test on the irrigation of yard and garden the well was never pumped dry

(over)

Log

feet
surface to 2' — loam soil
2' to 12' — alluvial gravel

Gallatin County, }
State of Montana, } ss.
Filed Dec 19, 1961
at 3:18 o'clock P. M.
W. S. [Signature]
COUNTY CLERK & RECORDER
By [Signature]
DEPUTY

#425-A

File No. _____

RECEIVED

T. 2S R. 5E ²²

DUPLICATE

SEP 7 1967

County Golden

LOG _____

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 E. H. Skinner Address Star Route ^{Callatis} Gateway, Mont.

Driller Potts Drilling and Dev. Address R.R. #1 Bossman, Montana

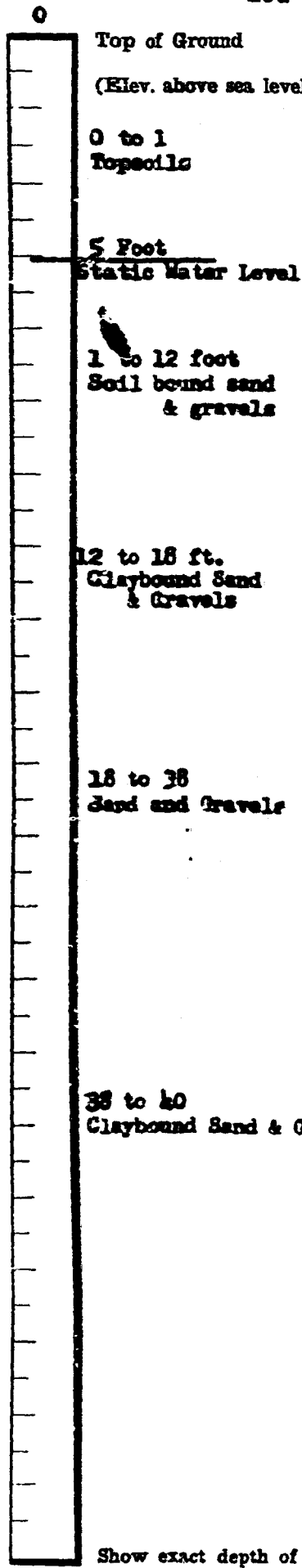
Date of Notice of appropriation of groundwater _____

Date well started July 18, 1967 Date completed July 20, 1967

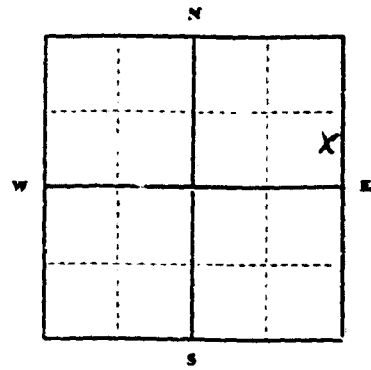
Type of well drilled Equipment used cable tool
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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" I.D. 17 Lb.	+1	37ft.			



Static Water Level for non-flowing well 5 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 10 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Bailer

Length of Test 2 hrs.

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

SE NE 1/4 Sec 22 T2S R. 5E
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).

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.

150

Driller's License Number

[Signature]
Driller's Signature

42.267

2119

State of Montana ss.
County of Gallatin
Filed Sept 5, 1967
at 10:30 o'clock P.M.
Carl Z. Hickey
County Clerk & Recorder
By _____ Deputy
Fee \$ 2.00 sd

File No. _____

T. 28 R. 5E 22
County Hell Creek

DUPLICATE

LOG

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)

Emma Lee Smith

Owner S. John Smith Address Star Rt. Bozeman, MT.

Driller Donald C. Jones Address 2107 Bridger Dr. Bozeman, Mont.

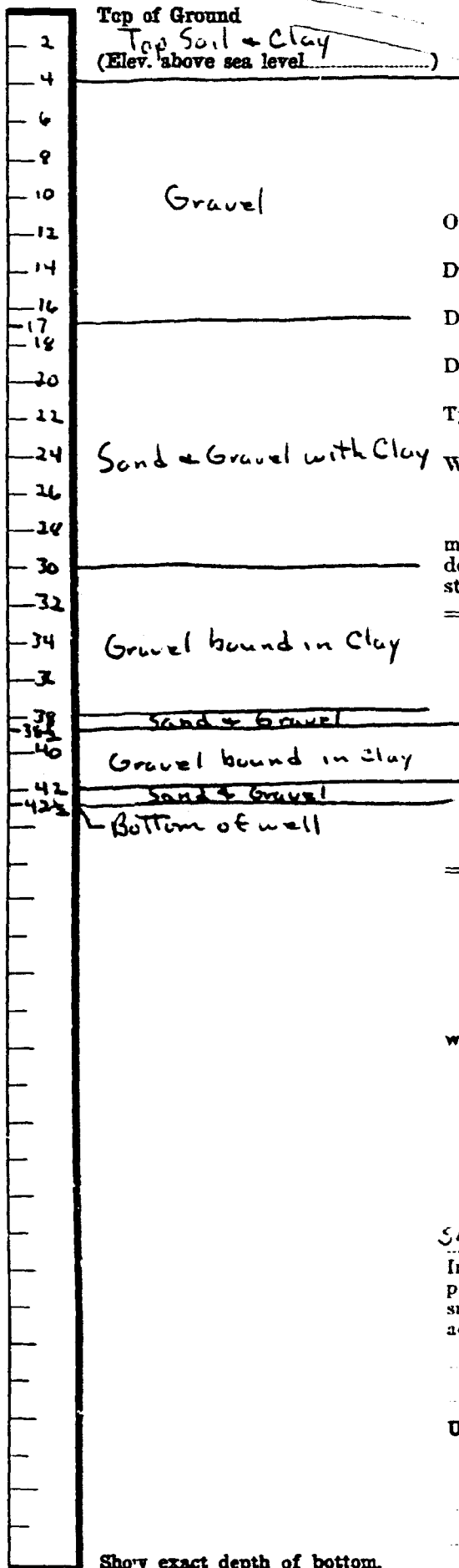
Date of Notice of appropriation of groundwater _____

Date well started Oct. 16, 1968 Date completed Oct. 18, 1968

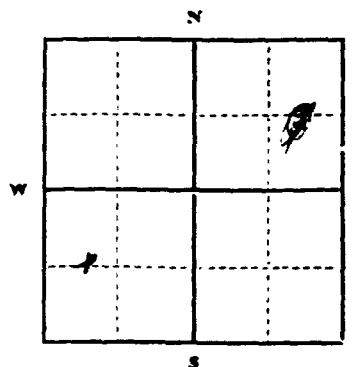
Type of well Drilled Equipment used Churn Drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 in.	6 5/8" O.D.	1' above Ground	42 1/2	-	-	-
	1 1/2"					



Static Water Level for non-flowing well 8 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 42 1/2 feet at 16 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Pump

Length of Test 45 min.

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

Su 1, Sec 2, T 25 R 5 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.

17
Driller's License Number

Donald C. Jones
Driller's Signature

44 933

2219

RECEIVED

State of Montana } ss.
County of Gallatin }
Filed Jan. 22, 1969
at 1:15 o'clock P.M.
Carl L. Stucky
County Clerk & Recorder
By Betty Rose Griggs
Deputy
Fee \$ 2.00 pd.

File No. _____

T. 25 R. 52

DUPLICATE

County BEAVER

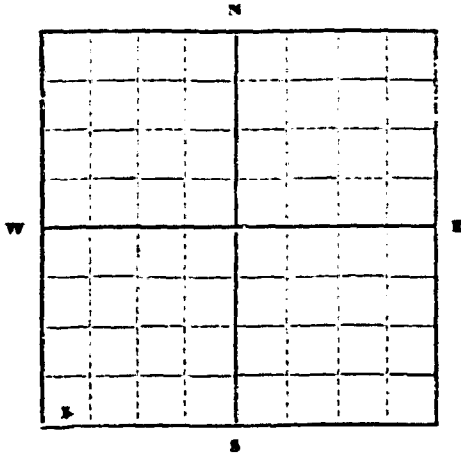
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 28 1963
STATE ENGINEER

1. Sherman B. or Grace R. Smith of Bozeman, Montana Star 2
(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. 1/4~~ Sec. 22 T. 25 R. 52

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 and livestock use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1936 used continuous since

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 450 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. used for irrigation of garden and lawn by Smiths

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1936

8. The depth of water table. 5 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. 6 in. steel casing, driven well 44 ft deep

10. The estimated amount of groundwater withdrawn each year. 75,000 gal.

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

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

Signature of Owner Grace R. Smith
Sherman B. Smith

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.

#937

State of Montana }
County of Gallatin } ss.

Filed December 20, 1963

at 11:30 o'clock A.M.

EARL WALTON

COUNTY CLERK & RECORDER

By Lucas A. Hapfeld

DEPUTY

Fee \$ 2.00 pd

File No. _____

T 25 R 25 E
County Callahan

DUPLICATE

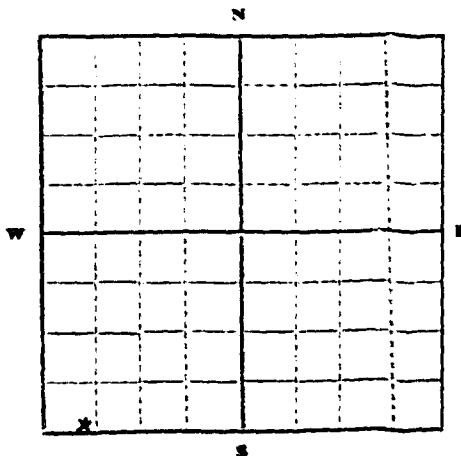
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 23 1968
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Sharon B. or Grace R. Smith of Star Route, Bozeman, Montana
(Name of Appropriator) (Address) (Town)
County of Callahan State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 1/4 Sec. 2 T. 25 R. 25 E

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

- 2. The beneficial use on which the claim is based: Domestic and livestock use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been: well finished in 1952 used for livestock since completion
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute): 450 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: irrigation contemplated in future
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: hand pump at present

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1951 completed 1952

8. The depth of water table: 12 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: driven well, steel casing starts at 165 and sealed off at 165 ft. and ripped above that depth to ground 90 ft.

10. The estimated amount of groundwater withdrawn each year: 20,000 gallons

11. The log of formations encountered in the drilling of each well is available: clay and gravel formation

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 Grace R. Smith
Sharon B. Smith
Date: Dec 20, 1968

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.

#938

State of Montana }
County of Gallatin } ss.

Filed **December 20**, 1963

at **11:31** o'clock **A.** M.

EARL WALTON

COUNTY CLERK & RECORDER

By *Laurel M. Mayfield*

DEPUTY

Fee \$ **2.00** pd

File No. _____

T. R. 5E

DUPLICATE

County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

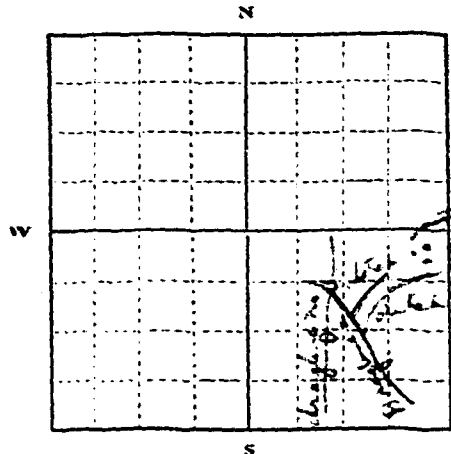
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Stanley A. & Margaret Smith, of Star Ate. Box 30 Bozeman
(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 1/4 Sec 22 T22 R5E

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, livestock, and irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1905 well #1 livestock continuously, 1905 well #2 domestic, continuously, well #3 1940 dom. con. draclines 1937 & 1947 continuously.

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 25 acres in 2/3 of 1/4 of the SW 1/4 of Sec. 22 T 22 R 5E Stanley A. & Margaret Smith

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal wells by pumps. Located at S. 22-25-5E. Irrigation by Farm ditch from dams on ponds on dracline 1 near center of section.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater wells 1 & 2 dug about 1905 well 3 dug 1940 dracline 1 June 1937, dracline 2 June 1947

8. The depth of water table wells 1 to 12 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 wells dug, 10 inch tile casing 15 feet deep. Ditches-corn tile to 3 feet depth. Ponds with dams 10 foot high.

10. The estimated amount of groundwater withdrawn each year 454 acre feet

11. The log of formations encountered in the drilling of each well if available wells 5 feet to soil, 2 feet coarse rock, 2 feet coarse rock, 2 feet clay, balance gravel.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record re well appropriation 1949.

Signature of Owner, Stanley A. & Margaret Smith

Date, Dec 30 1963

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

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

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

33495

1356

State of Montana /
County of Gallatin / ss.
Filed 12-30 1953
at 2:30 o'clock P.M.
Earl H. Nelson
COUNTY CLERK & RECORDER
By Shelma P. ...
DEPUTY
Fee \$ 2.00

File No. _____

T. 2S R. 5E

DUPLICATE

County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

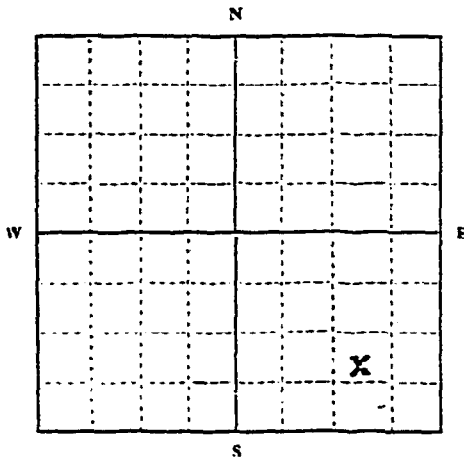
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Hubert E. and Leone M. Dennis, of Star Route, Bozeman
(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. 23 T2S R5E

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 household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been I was told it was drilled by horse power in 1897 and it has been used daily ever since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 45 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
Being used for lawn, trees, and garden on my place, about one acre

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 1897 and used electric pump first in April 12, 1947

8. The depth of water table 10 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 It has an 8" well casing 49 feet deep

10. The estimated amount of groundwater withdrawn each year 86,500 gallons per year

11. The log of formations encountered in the drilling of each well if available I was told it was drilled by John Kelly by horse power in 1897.

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

Leone M. Dennis
Signature of Owner Hubert E. Dennis

Date December 27, 196

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.

1032

State of Michigan ss.
County of Calhoun
Filed Dec 26 1943
at 1.15 o'clock P.M.
Coal Walton
COUNTY CLERK & RECORDER
By [Signature]
Date 20/54

File No. _____

T. 25 R. 5E 23

NOV 21 1966

DUPLICATE

LOG

Bill _____ M. Bennett _____
Butte _____ M. Nulty _____ STATE OF MONTANA
County _____ GALLATIN
C. _____ M. _____ ADMINISTRATOR OF GROUNDWATER CODE
D. _____ Sullivan _____ OFFICE OF STATE ENGINEER
Dickert _____

Top of Ground
(Elev. above sea level _____)
0-1 soil
2-14 rock & soil
14-20 sand-rock & water
20-24 rock & clay
24-34 rock & clay
34-37 sand & gravel
water
Bottom of well 34 ft

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner _____ Address _____

Driller Harold Hulbert Address Box 2, Helena

Date of Notice of appropriation of groundwater _____

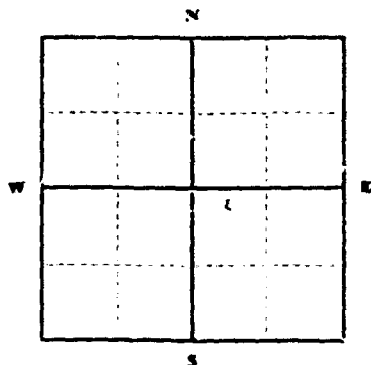
Date well started NOV 21, 1966 Date completed NOV 21, 1966

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Foot)	To (Foot)	PERFORATIONS		
				Kind Size	From (Foot)	To (Foot)
7"	6 5/8 O.D. 19 Lb.	1 above	35		none	



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 17 feet
at 50 gal. per minute.

Discharge in gal. per min. of flowing well _____

Flow Tested _____

Length of Test _____

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

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

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Driller's License Number

Harold P. Hulbert
Driller's Signature

2058

State of Montana } ss.
County of Gallatin }
Filed November 18, 1966
at 4:10 o'clock P. M.
Carl L. Stucky
County Clerk & Recorder
By [Signature]
Deputy
Fee \$ 2.00

Form No. 18
8-60

23

T. 2 South R. 5 East
County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Sec 23; 2 South - 5 East

Water Well Log

10		

Owner Joseph and Mary Lanta Address Star Route, Bozeman, Mont
Driller Not known Address _____
Date Started 1923 Date Completed 1923
Location: Sec. 23 T. 2 South R. 5 East $\frac{1}{4}$ sec. NW 1/4 of NW 1/4

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

Water use: Domestic Municipal Stock Irrigation Yard and Garden
Industrial Drainage Other _____

Casing: 39 ft. to 39 ft. Type heavy iron Size 4 inches

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 Feet feet.

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

Pumping water level _____ feet at 300 gal. ~~per min.~~ per hour

How tested: Irrigated yard and garden for 10 hours

Length of test 10 hours

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

During the irrigation of yard and garden for full day periods
well was never pumped dry

(over)

File No. _____

T. 45 R. 5E

DUPLICATE

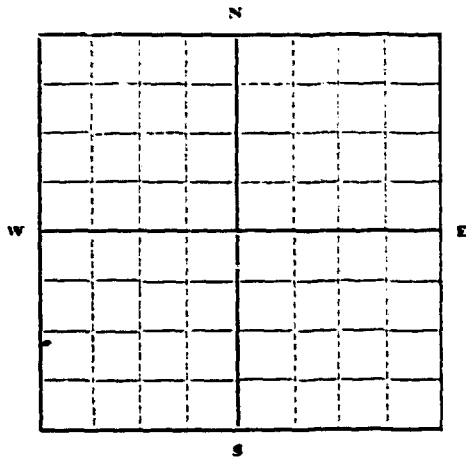
County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 1 1963

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

1. Lester J. Kurk of 2505 N. Babcock Bozeman
(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 SW 23 T 25 R 5E

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 use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been...
1891 Daily
4. The amount of groundwater claimed (in miner's inches or gallons per minute)...
Has never been determined
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...
Hand pump
SW 1/4 Sec. 23 T 25 R 5E
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...
1891
8. The depth of water table...
12 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...
30 ft. drilled 6 in. casing
10. The estimated amount of groundwater withdrawn each year...
Impossible to estimate
11. The log of formations encountered in the drilling of each well if available...
Sand and gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record...
No other information

Signature of Owner _____

Date March 25, 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.

Fee \$ 2.00 Pd.
By *[Signature]*
COUNTY CLERK & RECORDER
EARL HILTON
3:35 P.M.
MARCH 28, 1968
COUNTY OF GILBERT
SS.

878

23

T 2 S R 5 E.

County Gallatin

RECEIVED

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

	0	

Owner Harry Miller Address Bozeman, Montana

Driller Bert Van Dyken Address Bozeman, Mont.

Date Started Oct. 1, 1955 Date Completed Oct. 8, 1955

Location: Sec 23 T 2 S R 5 E 1/4 sec S.W. 1/4 N.E. 1/4

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

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

Casing: 60 ft. to 80 ft. Type steel Size 6 inch

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

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

Perforated or Screened: Ft. 45 to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations slotted

Static Water level, for non-flowing well: 25 feet.

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

Pumping water level 60 feet at 5 gal. per min.

How tested: by volume

Length of test 30 minutes

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

gravel packing

(over)

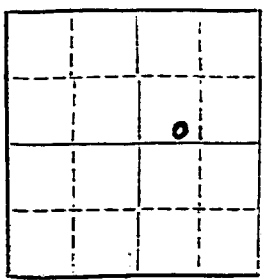
23

RECEIVED
STATE ENGINEER

T 25 R 5 E.
County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Harry Miller Address Bozeman, Mont.

Driller Edward Pease Address Bozeman, Mont.

Date Started about 1900 Date Completed about 1900

Location: Sec. 25 T. 2 S. R. 5 E. 1/4 sec. 5 N 1/2 N.E. 1/4

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

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

Casing: 12 ft. to 20 ft. Type tile Size 18 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: 8 feet.

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

Pumping water level: 10 feet at 3 gal. per min.

How tested: by volume

Length of test: 30 minutes

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

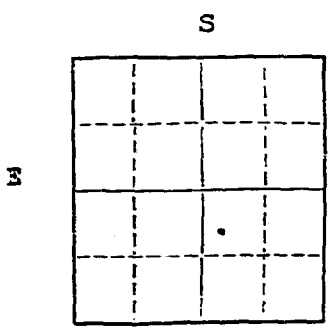
(over)

23

T. 2 S R. 5 E
County Gallatin

STATE OF MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Lloyd Raffety Address SW Bozeman
 Driller M.E. Jones Address Helena
 Date Started December 2, 1957 Date Completed Dec. 11, 1957
 Location: Sec. 23 T. 2 S R. 5 E 1/4 sec SE 1/4 of 37 1/2

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: 4 ft. to 42 ft. Type Std Pipe Size 6" ID.

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

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

Perforated or Screened: Ft. None to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations None

Static Water level, for non-flowing well: 1 feet

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

Pumping water level 42 feet at 12 1/2 gal. per min.

How tested: Beil

Length of test 1/2 Hour

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

(over)

23

T. 2 S R 5 E

County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
MAY 10 1951

WATER WELL LOG

STATE ENGINEER

X		

Owner Lloyd & Mildred Rafferty Address Foxman, Montana

Driller Unknown Address

Date Started Unknown Date Completed

Location: Sec. 23 T. 2 S R. 5 E 1/4 sec. 31/4 of 36/4

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: 0 ft. to 45 ft. Type gal Size 2

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)

324

Gallatin County, 1
State of Montana, 1 ss.
Filed Dec 29 1951
At 5:13 P.M.
Curt Wallon
CLERK OF DISTRICT COURT
By William J. Sawyer
DEPUTY
Fee \$ 7.00 pd

File No.

T 2S R 5E

DUPLICATE

County Gallatin

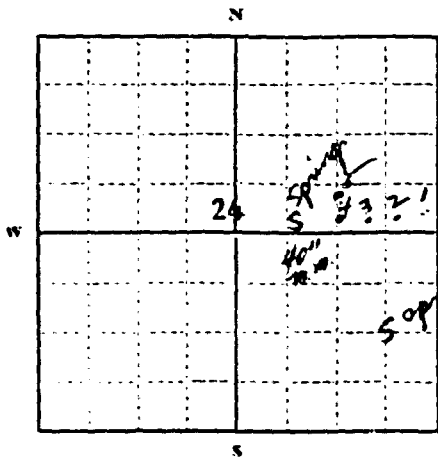
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Fred M., W. Boyd and Paul F. Boylan
1. By Paul F. Boylan, of Star Route Pzeman
(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:



1/4 Sec 24 2S 5E

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

- A. 5 wells
- B. 2 springs
- 2. The beneficial use on which the claim is based household, livestock water and irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Fig. 1, 1943 - Fig. 2, 1920, Fig. 3 1946, Fig. 4 1958, Fig. 5 1938

- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) Fig. 1 Household & irrigation Fig. 2 Livestock, Fig. 3 Livestock, Fig. 4 Milk plant & livestock, Fig. 5 livestock.

- 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 Fig. 1 for lawn and garden. Springs sub-irrigate adjacent land of claimant & are used for stock water and surface irrigation.

- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Fig. 1, 2, 3, 4, 5 withdrawn by pumps

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Fig. 1, 1943 Fig. 2 1920 Fig. 3 1946 Fig. 4 1958 Fig. 5 1939

- 8. The depth of water table 5 or 6 feet

- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
Fig. 1 depth 80 feet, 6 inch casing, drilled
Fig. 2 depth 14 feet, 12 inch dug well
Fig. 3 depth 14 feet x 6 x 6 foot dug sump
Fig. 4 depth 57 feet, 6 inch casing, drilled
Fig. 5 depth 20 feet, 6 inch casing, drilled.

- 10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner Paul F. Boylan
Date December 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 35958

1644

Dec 31 1963

152 P.M.

Earl Wallon

DEPUTY CLERK & RECORDS

[Signature]

DEPUTY

[Signature]

File No.

T. 2S R. 5E M.P.M.

DUPLICATE

County Gallatin

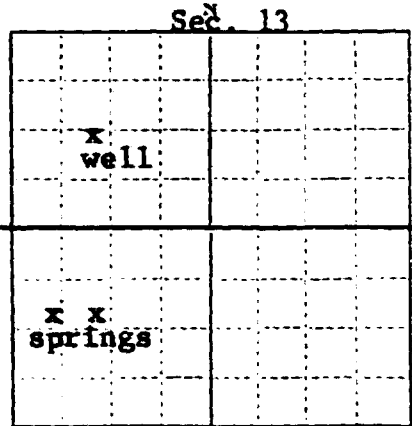
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. RICHARD J. BOYLAN, of Star Route Bozeman
(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. 24
13
1/4 Sec. 24 T. 2S R. 5E

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

- 1 - Artesian well flowing 20" M.M. in Sec. 13
 - 2 - 2 springs flowing 80" M.M. in Sec. 24
2. The beneficial use on which the claim is based home and irrigation - stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1915. continuous for both springs and artesian well

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 miner's inches for well
80 miner's inches for springs

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. Lands owned by Fred F. Boylan and Richard J. Boylan and described as S 1/2 of SW 1/4 of Sec. 13 and N 1/2 of NW 1/4 of Sec. 24, Township 2 South, Range 5 East, M.P.M.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. natural flow from springs for irrigation and electric pump and motor from well.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1915 electric pump installed in artesian well and springs are appurtenant to farm and have always been used therewith.

8. The depth of water table.

9. So far as it may be available, the type, size and depth of each well, or the general specifications of any other works for the withdrawal of groundwater. 43 feet deep and 4 inch casing in well. Spring waters run in an open ditch and sub-irrigate adjacent lands and are used for stockwater and artificial lateral irrigation.

10. The estimated amount of groundwater withdrawn each year from well and springs 100 inches miner's measurement.

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

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

Signature of Owner [Signature]

Date December 31, 1963

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

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

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

35949

1635

Galatin County,)
State of Montana,) ss.
Filed Dec 31, 1963
of 143 of block M.
[Signature]
COUNTY CLERK & RECORDER
By [Signature] DEPUTY
See S. 202

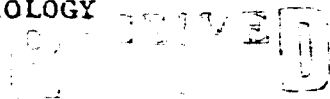
Form No. 18
8-60

24

T. 2 S R. 5 E

County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana



WATER WELL LOG

STATE ENGINEER

x		

Owner Charles E. Louise W. Gline Address St. 1, Bozeman, Mont

Driller James Hicks Address unknown

Date Started 1931 or 1932 Date Completed 1931 or 1932

Location: Sec. 21 T. 2 S R. 5 E $\frac{1}{4}$ sec. 80 acres

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 30 ft. Type steel Size 6 in.

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

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

Perforated or Screened: Ft. none to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations none

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

Shut-in pressure, for flowing well: None lb./sq. in. on: _____
(date)

Pumping water level 1 feet at 20 gal. per min.

How tested: electric

Length of test _____

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

(over)

Form No. 18
8-60

24

T. 2 S R. 5 E

County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

X		

Owner Charles E. & Louise G. Cline Address St. 1, Bozeman, Mon

Driller Hauben Hicks Address unknown

Date Started 1931 or 1932 Date Completed 1931 or 1932

Location: Sec. 24 T. 2 S R. 5 E $\frac{1}{4}$ sec. 80 acres

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 30 ft. Type Steel Size 6 in.

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

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

Perforated or Screened: Ft. none to ft. ____ . Ft. ____ to ft. ____

Type of screen or perforations none

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

Shut-in pressure, for flowing well: None lb./sq. in. on: _____
(date)

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

How tested: Electric Pump

Length of test _____

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

None

(over)

24

T. 25 R 5E

County LEA HATIN

RECEIVED
OCT 10 1957

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

	X	

Owner A.P. HARRIS & R. ALKISON Address Box 93 BOZEMAN

Driller WILLIAM EKHS Address Deceased

Date Started 1969 Date Completed 1969

Location: Sec 24 T 25 R 5E 1/4 sec SE 1/4

Type of well DUG Equip. used Pick & Shovel
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

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

Casing: ROCK ft. to 17 ft. Type DCN Size 5" x 12"

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: HAND PUMP

Length of test: FOR AS LONG AS NEEDED

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

(over)

STATE ENGINEER

T. 25 R. 5E 24
County GALLATIN

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner H. P. HARRIS & R. L. LISON Address Box 93 Bezenan
 Driller BERT LAM DYCKIN Address 403 W. VILLARD
 Date Started June 1954 Date Completed June 1954
 Location: Sec. 24 T. 25 R. 5E 1/4 sec. SE 1/4

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

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

Casing: IRON ft. to 50' ft. Type UNION 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: 74' feet.

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

Pumping water level: 70' feet at 300 gal. per min.

How tested: LEAS PULPED JACK

Length of test: 4"

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

File No. 100 16 1965 T. 25 R. 5E 24

DUPLICATE

Site: McDermott
Survey:
Ch: Marton
Date: LOG Sullivan
District:

County: Gallatin

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: Arthur M. Stapleton Address: 2303 S. 3rd

Driller: Harold Hulbert Address: Route 1 Rozeman

Date of Notice of appropriation of groundwater:

Date well started: Nov 9, 1965 Date completed: Nov 11 1965

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

Water use: Domestic [x] 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.

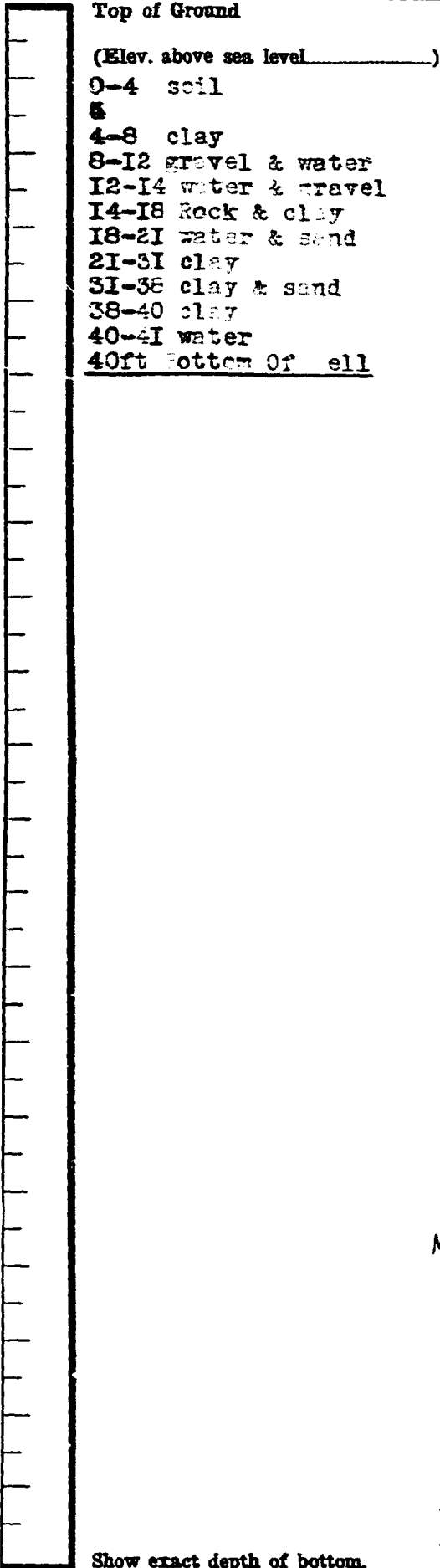
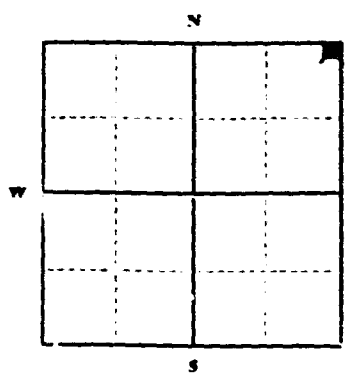


Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)). Entry: 7 inch hole, 6 5/8 O.D. casing, 17 to 10 feet depth, perforations from 17 to 10 feet.



Static Water Level for non-flowing well: 8 feet.
Shut-in Pressure for Flowing Well:
Pumping Water Level: 24 feet at 20 gal. per minute.
Discharge in gal. per min. of flowing well:
How Tested: Pump
Length of Test: 2 Hrs
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NE 1/4 NE 1/4 Sec 24 T. 25 R. 5E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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.

47
Driller's License Number
Driller's Signature: Harold B. Hulbert

1995

61185

State of Montana }
County of Gallatin } ss.

Filed Nov. 30 1995

at 12:05 o'clock P.M.

Paul E. Stucky
COUNTY CLERK & RECORDER

By _____
DEPUTY

Fee \$ 2.00

RECEIVED

County 24

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.

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.

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	10	SOIL
10	20	CLAY
20	30	CLAY
30	40	CLAY
40	50	CLAY
50	60	CLAY
60	70	CLAY
70	80	CLAY
80	90	CLAY
90	100	CLAY
100	110	CLAY
110	120	CLAY
120	130	CLAY
130	140	CLAY
140	150	CLAY
150	160	CLAY
160	170	CLAY
170	180	CLAY
180	190	CLAY
190	200	CLAY
200	210	CLAY
210	220	CLAY
220	230	CLAY
230	240	CLAY
240	250	CLAY
250	260	CLAY
260	270	CLAY
270	280	CLAY
280	290	CLAY
290	300	CLAY
300	310	CLAY
310	320	CLAY
320	330	CLAY
330	340	CLAY
340	350	CLAY
350	360	CLAY
360	370	CLAY
370	380	CLAY
380	390	CLAY
390	400	CLAY
400	410	CLAY
410	420	CLAY
420	430	CLAY
430	440	CLAY
440	450	CLAY
450	460	CLAY
460	470	CLAY
470	480	CLAY
480	490	CLAY
490	500	CLAY
500	510	CLAY
510	520	CLAY
520	530	CLAY
530	540	CLAY
540	550	CLAY
550	560	CLAY
560	570	CLAY
570	580	CLAY
580	590	CLAY
590	600	CLAY
600	610	CLAY
610	620	CLAY
620	630	CLAY
630	640	CLAY
640	650	CLAY
650	660	CLAY
660	670	CLAY
670	680	CLAY
680	690	CLAY
690	700	CLAY
700	710	CLAY
710	720	CLAY
720	730	CLAY
730	740	CLAY
740	750	CLAY
750	760	CLAY
760	770	CLAY
770	780	CLAY
780	790	CLAY
790	800	CLAY
800	810	CLAY
810	820	CLAY
820	830	CLAY
830	840	CLAY
840	850	CLAY
850	860	CLAY
860	870	CLAY
870	880	CLAY
880	890	CLAY
890	900	CLAY
900	910	CLAY
910	920	CLAY
920	930	CLAY
930	940	CLAY
940	950	CLAY
950	960	CLAY
960	970	CLAY
970	980	CLAY
980	990	CLAY
990	1000	CLAY

Owner PO Box 938

Address PO Box 938

Date well started 1973 completed 1973

For Administrator's Use	
File	<u>5561</u>
Date	<u>Apr 17 1973</u>
Time	<u>GW 1 10:45 A.M.</u>

Type of well Drilled
(Dug, driven, bored or drilled)

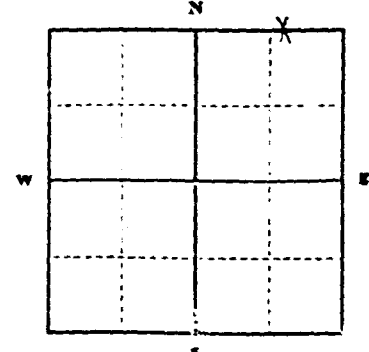
Equipment used Churn drill
(Churn drill, rotary or other)

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). For USE at 2311 S 7th Ave

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4"	11'	100'	2"	100'	111'



Static water level 110 ft.
Pumping water level 103 ft.
at 4 gallons per minute, measured 4 minutes after pumping began.
*Measured from ground level.
Well developed by FAIR for 6 hours.
Power 1 Pump 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NE 1/4 NE 1/4 Sec 24
2 5 E
S

CEMENT GROUT TO 10 FT

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

Driller's Signature [Signature]

Driller's Address [Address]

Show exact depth of bottom

53705

3731

State of Montana
County of Gallatin, ss.
Filed April 19, 1973
at 10:45 o'clock AM.
Carl L. Stucky
County Clerk & Recorder
By Donald A. Kasper
Deputy
Fee \$ 2.00

File No. _____

T. 25 R. 5 E

DUPLICATE

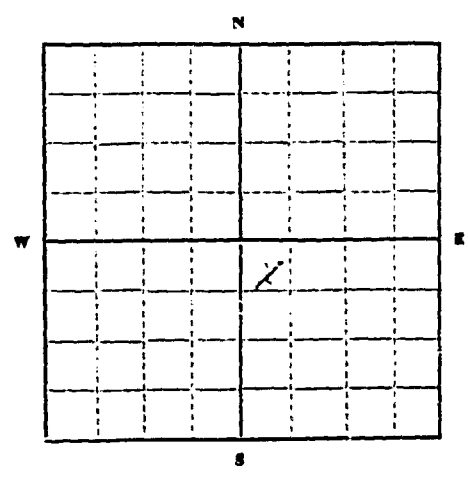
County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
AUG 22 1963

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

1. Bob Braun 421 W. 2nd St. of Libby Bozeman
(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:



10 1/4 SE 1/4 Sec 25 T. 25 R. 5 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 household & irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Sept. 2, 1958. House
Summer of 60 irrigation.
use constant irrigation growing season
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 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
.604 Robert R. Braun
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
centrifugal pumps
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. house - Aug 29, 1958 - Sept. 2, 1958
irrigation - summer of 1960
- 8. The depth of water table app. 10'
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. house - drilled - irrigation - shank
3 1/2" 24' app. 4' x 4'
5th pipe 6" D
- 10. Estimated amount of groundwater withdrawn each year 500,000
- 11. The log of formations encountered in the drilling of each well if available. surface to S. top of clay
15' - 22' sand
22' - 30' fine gravel sand
30' - 31' sandstone
31' - 35' fine 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 Robert R. Braun
Bob Braun
Date Aug 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.

690

State of Montana) ss.
County of Gallatin)

Filed Aug 21, 1963

at 11 05th o'clock A.M.

Frank Wallen
COUNTY CLERK & RECORDER

By Ila J. Morrow
DEPUTY

Fee \$ 2.00 Pl.

File No. _____

T. 18 R. 5E 25

DUPLICATE

RECEIVED
AUG 17 1972

County GALLATIN

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 BOB BRAUN Address BOZEMAN, MONT.

Driller VAN DYKEN DRILLING CO Address BOZEMAN, MONT.

Date of Notice of appropriation of groundwater NONE

Date well started 9/30/70 Date completed 10/3/70

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

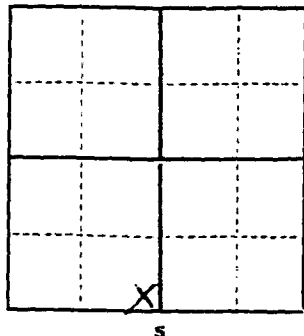
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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.

LOG
Top of Ground
(Elev. above sea level _____)
0' - 1' Soils.
1' - 23' Claybound sand and gravels.
23' - 29' Fine sands.
29' - 31' Coarse gravels.
31' - 46' Claybound sands and gravels. Water.
46' - 47' Clean sand and Gravels. Water.
T.D. 47'

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# Prime steel Tessyd.	0'	47'	none		

Doc. No. #3111
Filed for record
this 14th day of August
A. D. 19 72, at 9:00
o'clock A.M.



SE corner SW 1/4 Sec. 25, T. 25, R. 5E.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 5' feet.

Shut-in Pressure for Flowing Well none

Pumping Water Level 27' feet
at 25 gal. per minute.

Discharge in gal. per min. of flowing well none

How Tested Bailer

Length of Test 1 Hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff) Drill cuttings shutoff outside of casing full depth.

(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

51,169

#3111

State of Montana }
County of Gallatin } 98.
Filed August 14, 1972
at 9.00 o'clock AM.
Carl L. Stucky
County Clerk & Recorder
By Paul A. Bridges
Deputy
Fee \$ 7.00

File No. _____

T. _____ R. _____

DUPLICATE

County Gallatin

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)

Owner Larry F. Busch Address Box 121 Rt 2 Bozeman

Driller Harold Hulbut Address Rt 1 Ogden Mont

Date of Notice of Appropriation of Groundwater _____

Date well started July 26/1963 Date Completed July 27/1963

Type of well Drilled Equipment Used Churn
(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.

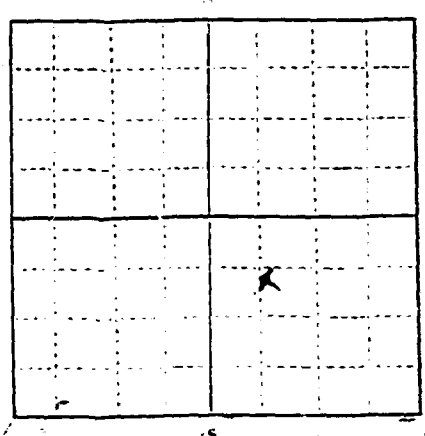
Top of Ground
(Elev. above sea level _____)

0-2 Top Soil
2-8 Clay
8-15 gravel water
15-18 Rock
18-25 gravel
Bottom of well

1/4 Sec. _____ T. _____ R. _____
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7	6 5/8 O.D. 12.87 6.249 I.D.	0	24' 6"	8" slots 1/2" wide	14'	24'



Static Water Level for non-flowing Well 8 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 10 feet at 80 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Pump Length of Test 4 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) _____

47
Driller's License Number

Harold B. Hulbut
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.