

File No. _____

T. 15 R. 5E

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

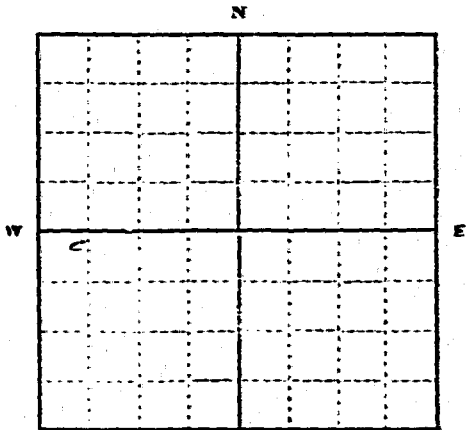
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, _____ of _____ _____ _____
(Name of Appropriator) (Address) (Town)

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



SW 26 15 SE
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 _____

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

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

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 _____

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

8. The depth of water table 15 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 _____

10. The estimated amount of groundwater withdrawn each year 150000

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 L. Westlake

Date Dec 30 - 63

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

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

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

33446

1307

State of Montana (ss.
County of Gallatin)

Filed 12-30, 1963

at 1:05 o'clock P.M.

Earl Walton

COUNTY CLERK & RECORDER

Wena Farris

DEPUTY

Fee \$ 2.00

668

3183

State of Montana } ss.
County of Gallatin }

Filed Jan 16, 1973
at 3:15 o'clock P.M.

Carl L. Stucky

County Clerk & Recorder

Carl L. Stucky Alt

2nd Jd

#3187

State of Montana
County of Gallatin ss.
Filed January 29, 1973
at 9:30 o'clock A.M.
Carl L. Stucky
County Clerk & Recorder
By Levell A. Bridges
Deputy
Fee \$ 1.00

GW 1

File No. _____

T 12 R 2E

DUPLICATE

County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, Dave R Crawford of Rt 1 Bozeman
(Name of Appropriator) (Address) (Town)
County of Gallatin, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is irrigation
1000 21 T13 R2E
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 1200 gallons per minute

4. The annual period (inclusive dates) of intended use Sept 20

5. The probable or intended date of first beneficial use 1965

6. The probable or intended date of commencement and completion of the well* or wells* 1965

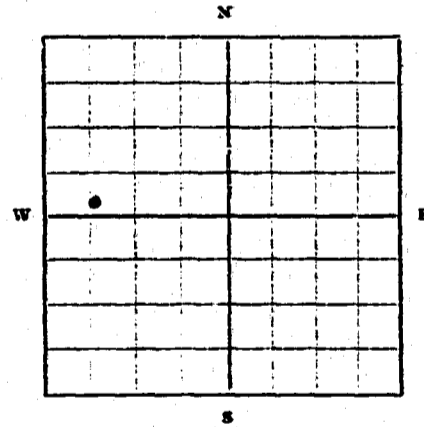
7. The location, type, size and depth of well or wells contemplated Depth about 150 feet
1000 21 T13 R2E

8. The probable or estimated depth of the water table or artesian aquifer 20 feet

9. Name, address and license number of the driller engaged none engaged

10. Give such other similar information as may be useful in carrying out the policy of this act.

Water will be pumped to
supplement present surface
supply which is deficient in
water during summer



Well = NW 1/4 Sec 27 T. 12 R. 2E

Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Dave R Crawford

Date 1-17-1962

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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.

File No. _____

T 1 S R SE

DUPLICATE

County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 18 1962

Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, Dave R Cawfield, of Rte 1 Bozeman
(Name of Appropriator) (Address) (Town)
County of Gallatin, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Irrigation on 1/2 of NW 1/4 of Sec 27 T1S R5E
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed 1200 gallons per minute

4. The annual period (inclusive dates) of intended use June 1 to Sept 30

5. The probable or intended date of first beneficial use 1965

6. The probable or intended date of commencement and completion of the well* or wells* 1965

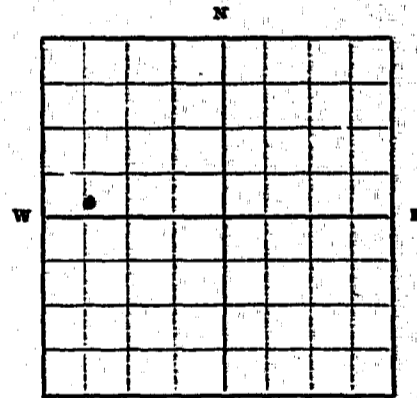
7. The location, type, size and depth of well or wells contemplated Depth about 11' at 10 or 12 inch casing

8. The probable or estimated depth of the water table or artesian aquifer 20 feet

9. Name, address and license number of the driller engaged none engaged

10. Give such other similar information as may be useful in carrying out the policy of this act.

Water will be pumped to supplement present surface supply which is deficient in latter part of summer



W 1/2 NW 1/4 Sec 27 T1S R5E
Locate well or other means of development as accurately as possible on the plat

Signature of Appropriator Dave R Cawfield
Date 1-17-1962

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

467

State of Montana ss.
County of Golden

Jan 17, 1962
9:45 a.m.

Carl Walter
J. J. Morrow
2nd Pd.

File No. _____

T 15 R 5E

DUPLICATE

County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

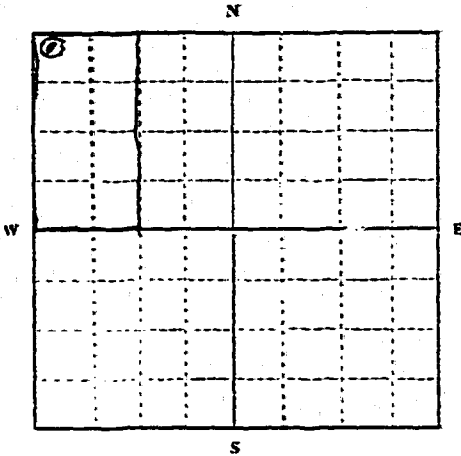
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1 Dave Rand Pearl L. Cartfield, of Rte 1 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:



W 1/2 NW 1/4 Sec. 27 T. 15 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 Used for Domestic and livestock use and irrigation of garden
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Before 1915 Continuous for Domestic use for livestock and for irrigating garden
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 gallons per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1/2 acre of garden within 250 feet of well.
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump Jet type 1/2 HP @ 50 gal per hr Capacity

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Prior to 1915

8. The depth of water table 15 feet Higher in early spring

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater First six feet is dug and brick lined approx 6 feet diameter - remainder to 26' feet is 6" drilled and cased

10. The estimated amount of groundwater withdrawn each year 800,000 gallons

11. The log of formations encountered in the drilling of each well if available not known but from observation it should be cobble gravel and sand below a 4 foot depth

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record This is well 2700 on the Emma D. Prush... place as recorded on page 261 Basic data Geology Groundwater Resources Gallatin Valley - Geological Survey paper 145

Signature of Owner Dave R. Cartfield

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.

35-915

1501

State of _____
County of _____ SS.

Subscribed and sworn to before me this _____ day of _____, 1963

at _____
_____ M.

County Clerk & Recorder

By _____
DEPUTY
SSC _____

RECEIVED

JAN 10 1972

County Gallatin

27

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

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

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 driller 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 Michael P. & Ronda A. CETRARO

Owner	For Administrator's Use
Address <u>806 N. 7th Ave.</u> <u>Bozeman, Mont. 59715</u>	File # <u>30.35</u> <u>Jan 7, 1972</u> <u>10:25 AM</u>
Date well started <u>Sept. 28, 1971</u>	GW <u>1</u>
completed <u>Oct. 5, 1971</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

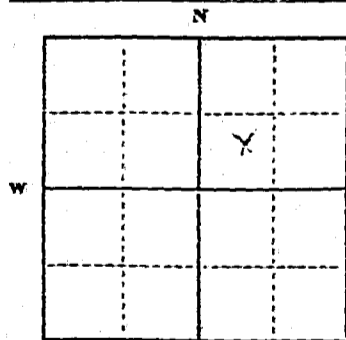
Industrial Drainage Other * Garden/Lawn

*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). _____

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 in.</u>	<u>6 1/2" OD</u> <u>17#</u>	<u>1' above ground</u>	<u>7 1/2'</u>	—	—	—



Static water level 11 ft.*
Pumping water level 78 ft.*
at 14 gallons per minute,
measured 90 minutes after pumping began.
*Measured from ground level.
Well developed by pump
for 1 1/2 hours.
Power _____ Pump _____ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) _____

1/2 Lot 2, Valley Center Subdiv.
EAST 1/2
1/4 Sec. 27
T. 1 N. R. 5 E.
S W

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

Driller's Signature Donald C. Jones

Driller's Address 2117 Bridge Dr.

Bozeman, Montana LICENSE NO. 11

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>5</u>	<u>Top Soil & Clay</u>
<u>5</u>	<u>30</u>	<u>Sand & Gravel</u>
	<u>11</u>	<u>Static water level</u>
<u>30</u>	<u>45</u>	<u>Gravel with Clay</u>
<u>45</u>	<u>51</u>	<u>Sand & Gravel</u>
<u>51</u>	<u>70</u>	<u>Sand & Gravel with Clay</u>
<u>70</u>	<u>75</u>	<u>Sand with clay</u>
<u>75</u>	<u>78</u>	<u>Sand & Fine Gravel</u>

78 ft. Show exact depth of bottom

#3035

State of Montana }
County of Gallatin } ss.
Filed Jan. 7, 1972
at 10:25 o'clock A.M.
Carl L. Stucky
County Clerk & Recorder
By Frank M. Bridges
Deputy
Fee \$ 2.00

2346

State of Montana ss.
County of Gallatin

Filed Jan 19, 1971
at 3:35 o'clock P.M.

Carl P. Stacky
County Clerk & Recorder

By _____
Deputy

Fee \$ 2.00

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.

GATES

Owner <u>Percy & Dorothy J./</u>	For Administrator's Use
Address <u>Route 1, Box 281B</u> <u>Bozeman, Mont. 59715</u>	File <u>2352</u> <u>d-2471</u>
Date well started <u>Sept 1970</u>	GW 1
completed <u>Oct 1970</u>	

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

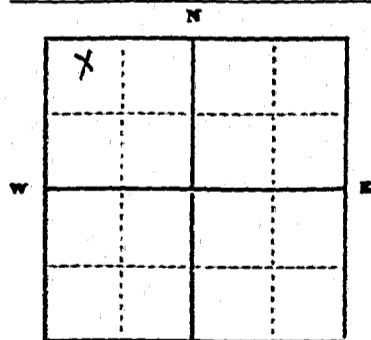
Equipment used cable tool
(Chuck drill, rotary or other)

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)
7"	19 lb 5/8" O. D.	I above	46' 6"	None		



Static water level 11 ft.*
Pumping water level 18 ft.*
at 40 gallons per minute,
measured 1 1/2 minutes after pumping
began.
*Measured from ground level.
Well developed by DIR'D
for 3 hours.
Power 300 Pump 3 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

Lot 5, Valley Center Subdiv.

1/4 Sec 27
T. 1 N R. 5 E
1 S W

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

Driller's Signature Harold B. Hulbert
Driller's Address at I Bozeman, Montana

47

LICENSE NO.

3-56
County Hall County

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	6	soil
6	18	clay & gravel rock
18	20	sand & water
20	24	sand & clay
24	32	sand & water fine sand
32	40	sand & water
40	44	sand clay & little water
44	45	course sand & small gravel
45	45	fine sand & clay
45	48	course sand & water

47

Show exact depth of bottom

48174

2352

State of Montana)
County of Gallatin) ss.

Filed February 24, 1971
at 4:40 o'clock P.M.

Carl L. Stacky
County Clerk & Recorder

By Alta M. Whiteman
Deputy

Fee \$ 2.00 pd

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 Glen Hargrove
Address Rt. 1, Bozeman
Date well started April 25, 1972
completed April 30

For Administrator's Use
File <u>3257</u>
<u>June 15, 1973</u>
GW <u>1 9:15 A.M.</u>

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

Equipment used rotary
(Churn drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

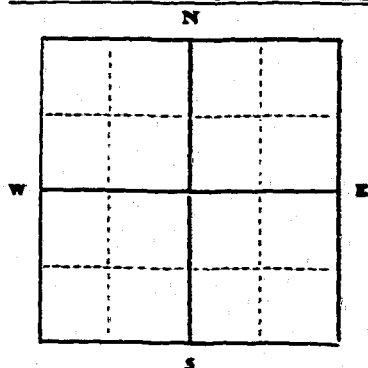
Industrial Drainage Other * Garden/Lawn

*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)
6"	13 LB	0	130			



Static water level 8 ft.*
Pumping water level 40 ft.*
at 50 gallons per minute,
measured 60 minutes after pumping began.

*Measured from ground level.
Well developed by Hubert Drilling
for 3 hours.
Power 300 Pump 30 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) _____

Sec. 14 T. 53 N. Sec. 27
R. 53 E.
S. W.

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

Driller's Signature Harold B. Hubert
Driller's Address Route one Bozeman, Mont
Hubert Drilling LICENSE NO. 47

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) 4800

From (Feet)	To (Feet)	
0	3.5	Topsoil
3.5	20	Sand and Gravel
20	60	Clay
60	68	Pea Gravel
68	105	Clay
105	130	Sand and Gravel

Show exact depth of bottom

53,538

3257

State of Montana ss.
County of Gallatin

Filed June 15, 1973
at 9:15 o'clock A.M.
Lot 2

County Clerk & Recorder
By Arthur M. Whitman
Deputy

Fee \$ 2.00 pd

**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 Glen Hargrove

Address Et. I., Bozeman

Date well started June 3, 1972

completed June 7

Type of well drilled

Equipment used rotary

Water Use: Domestic Municipal Stock Irrigation

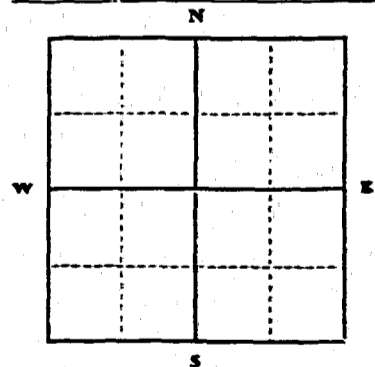
Industrial Drainage Other * Garden/Lawn

*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)
6"	13 LB	0	130			



Static water level 0 ft.*
Pumping water level ... 40 ft.*
at ... 55 gallons per minute,
measured 60 minutes after pumping
began.
*Measured from ground level.
Well developed by Hubert Drilling
for ... 2 hours.
Power ... gas Pump ... 30 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) _____

NE 1/4 S11 1/4 Sec. 27
T. 2 S. N. R. 5 E
S W

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

Driller's Signature Harold B. Hubert

Driller's Address Route 1 Bozeman Mont
Hubert Drilling LICENSE NO. 47

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) 4860

From (Feet)	To (Feet)	Description
0	3.5	Topsoil
3.5	20	Sand and Gravel
20	60	Clay
60	68	Pea Gravel
68	105	Clay
105	130	Sand and Gravel

Show exact depth of bottom

3258

State of Montana ss.
County of Gallatin

Filed June 15 1973

at 9:30 o'clock A.M.

Carl L. Steady

County Clerk & Recorder

By Anna M. Whitman

Deputy

Fee \$ 2.00 pd

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 Cynthia B. Hulet
Donald E. Hulet

Address 112 E. 2nd St. Billings

Date well started June 17, 1970

completed June 20, 1970

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

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

Water Use: Domestic Municipal Stock Irrigation

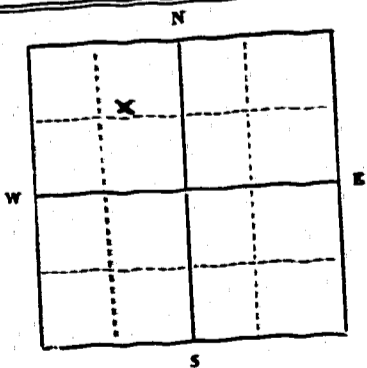
Industrial Drainage Other Garden/Lawn

*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).

ESTIMATED ANNUAL WITHDRAWAL

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" OD 17#	1' above Ground	46'	-	-	-



SW 1/4 NE 1/4 NW 1/4 Sec 27
T. 15 N. R. 5 E. S. W

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

Driller's Signature Donald E. Hulet

Driller's Address 2103 Bridge Dr. Billings

LICENSE NO. 17

15-5E
County Gallatin 27

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	4	Clay
4	26	Gravel
	22 1/2	Static water level
26	45	Sandy Gravel bedded in Clay
45	48	Clay
48	49	Sandy Gravel
	49	Bottom of well

Show exact depth of bottom

47491

2310

X THIS IS A REQUEST FOR
the enclosed copy by providing information under Article
and return the corrected copy to the Montana Water Resources Board in Helena.
Please provide the estimated annual withdrawal in gallons per year on the
enclosed form.

Other.

State of Montana }
County of Gallatin } ss.
Filed September 11, 19 70
at 1:00 o'clock P.M.
Carl L. Stucky
County Clerk & Recorder
By Debra Rose Griggs
Deputy
Fee \$ 200.00

Recently a copy of a groundwater appropriation form,

- GW 1, Notice of Appropriation of Groundwater
- GW 2, Notice of Completion of Groundwater Appropriation by means of Well
- GW 3, Notice of Completion of Groundwater Appropriation without Well
- GW 4, Declaration of Vested Groundwater Rights (This form is obsolete and was limited by law to use only through 1965)

was forwarded to this office by the County Clerk and Recorder.

This form is identified by

Owner Donald E. Hulett

Address Route 1 Box 281 B
2220 West Main
Bozeman, Montana DEEMAN
MONTANA

Location T. 1S R. 5E Sec. 27

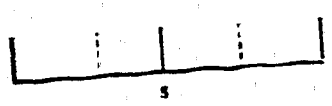
Document No. 2310

This is to inform you that your GW form has been received and is complete as filed.

This is a request for additional information if available. Please complete the enclosed copy by providing information where indicated, or as noted here and return the corrected copy to the Montana Water Resources Board in Helena.

Please provide the estimated annual withdrawal in gallons per year on the enclosed form.

Other.



SW 1/4 NE 1/4 NW 1/4 Sec 27
T. 1S R. 5E
S E W

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

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

Driller's Signature Donald E. Hulett

Driller's Address 2103 Bridger Dr. Bozeman

LICENSE NO. 17

Show exact depth of bottom

47491

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 CURTIS B. HUIET

Address ROUTE 1 BOX 2818
22800 Hillman

Bozeman, Mont.

Date well started June 17, 1970
completed June 26, 1970

For Administrator's Use	
File #	<u>22710</u>
Date	<u>Sept. 11, 1970</u>
Time	<u>3:00 P.M.</u>
GW1	

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

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

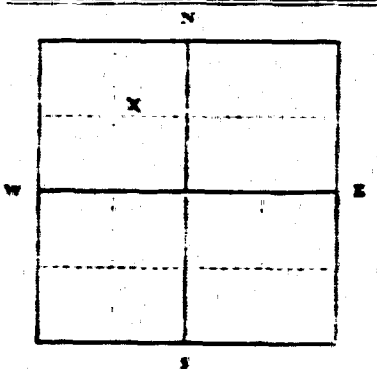
Water Use: Domestic Municipal Stock Irrigation

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).

ESTIMATED ANNUAL WITHDRAWAL 40,000 GALS.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>6"</u>	<u>6 3/8" 20'</u>	<u>Above Ground</u>	<u>46'</u>			
	<u>7"</u>					



Static water level 225 ft.
Pumping water level 19 ft.
at 30 gallons per minute,
measured 30 minutes after pumping
began.
*Measured from ground level.
Well developed by _____
for _____ hours
Power _____ Pump _____ HP
Remarks (Gravel packing, cementing,
packers, type of shaft)

S. 1/4 NE 1/4 Sec 37
T. 15 N. R. 5 E. S. 5 W.

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

Driller's Signature [Signature]

Driller's Address 503 Bridge St. Helena

LICENSE NO. 17

Show exact depth of bottom

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>4</u>	<u>Clay</u>
<u>4</u>	<u>36</u>	<u>Gravel</u>
<u>36</u>	<u>45</u>	<u>Static water level</u>
<u>45</u>	<u>45</u>	<u>Shale Gravel bedded in Clay</u>
<u>49</u>	<u>49</u>	<u>Clay</u>
<u>49</u>	<u>119</u>	<u>Shale Gravel</u>
	<u>119</u>	<u>Bottom of well</u>

457491

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 Mary Lavender
Raymond E Lavender

Address Rte 4 - Box 80

Date well started JULY 3 1970
completed July 9 1970

For Administrator's Use	
File	<u>3254</u>
Date	<u>June 12, 1973</u>
Time	<u>8:40 A.M.</u>

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

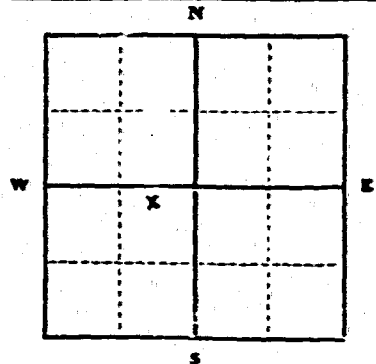
Equipment used Cable tool
(Churn drill, rotary or other)

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>7"</u>	<u>6 5/8 OD</u> <u>19 lb</u>	<u>1ft 6"</u>	<u>above</u> <u>50ft</u>	<u>None</u>		



Static water level 5 ft.*
Pumping water level 40 ft.*
at 20 gallons per minute,
measured 30 minutes after pumping
began.
*Measured from ground level.
Well developed by Pump
for 6 hours.
Power 230V Pump 3/4 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

1/4 Sec. 27
T. 1 N. R. 5 E.
S W

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

Driller's Signature Harold B. Hulbert

Driller's Address Route One Bozeman, Montana

Hulbert Drilling LICENSE NO. 47

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	5	SOIL
5	8	ROCK & gravel
8	32	CLAY
32	35	sand gravel & water
35	38	clay & gravel
38	39	sand & water
39	40	clay
40	43	clay & gravel
43	55	clay sand gravel & water

50ft Show exact depth of bottom

3254

State of Montana
County of Gallatin ss.
Filed June 12 1973
at 8:40 o'clock A.M.
Carl L. Stucky
County Clerk & Recorder
By Alto Hargan
Deputy
Fee \$ 2.00

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 Meyle & Eva Matthews
Address Route 1 Box 206 Bozeman, Mont 59705
Date well started May 6 1971
completed May 13 1971

For Administrator's Use	
File	<u>3256</u>
Date	<u>June 13, 1973</u>
Time	<u>10:00 A.M.</u>

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

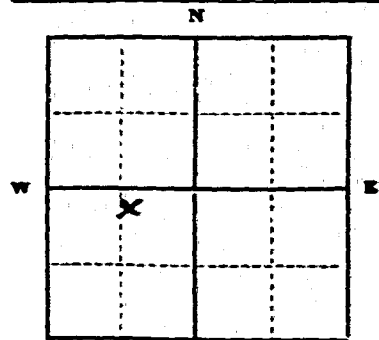
Equipment used cable tool
(Cable drill, rotary or other)

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)
2 1/2"	6 5/8 O.D. 19 lb	I above	104	None		



Static water level 12' ft.*
Pumping water level 25' ft.*
at 20 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by pump
for 6 hours.
Power 230 vol pump 3/4 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NE 1/4 Sec 27
T. 15 N. R. 55 E.

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

Driller's Signature _____
Driller's Address Rt one Bozeman, Montana

Hulbert Drilling

LICENSE NO. 47

15-5E
County Hell Creek

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)	
0-1	1	soil
1-4	4	clay
4-7	7	sand and gravel
7-8	8	water
8-21	21	sand & gravel
21-28	28	clay
28-42	42	clay & sand
42-49	49	sand & water (some)
49-56	56	sand & water (little)
56-104	104	clay
104-105	105	water

102 ft Show exact depth of bottom

53,537

#3256

State of Montana
County of Gallatin ss.
Filed June 13 19 73
at 10:00 o'clock A.M.
Capt. L. Slucky
County Clerk & Recorder
By Paul A. Bridges
Deputy
Fee \$ 2.00 pl.

135^E 21
County Gallatin

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 Robert J. MURFIT
Address Route 1, Box 254
Bosman, Mont. 59715

For Administrator's Use	
File	3247
JUNE 9, 1973.	
Date well started	April 5, 1973
completed	April 10, 1973
GW 1 10:20 a.m.	

Date well started April 5, 1973
completed April 10, 1973

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

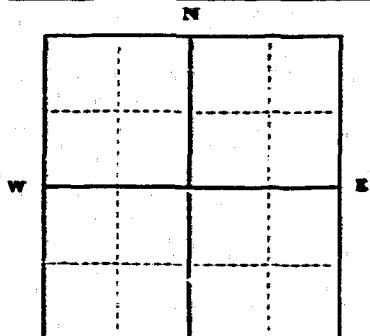
Equipment used Churn Drill
(Churn drill, rotary or other)

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). Valley Center Subdiv.

ESTIMATED ANNUAL WITHDRAWAL

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 17	14'	33			
		above ground				



Static water level 33 ft.*
Pumping water level 53 ft.*
at 30 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by 1:30
for 1 hours.
Power _____ Pump _____ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Lot 11-B, Valley Center Subdiv.
1/4 Sec 27
T. 15 R. 58 E
S

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

Driller's Signature Milton E. Jones
Driller's Address 2203 Willow St

License No. 17

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	2	Top Soil
2	25	Gravel & Sand
25	53	Sand, Gravel & Clay
53	58	Gravel
58	63	Sand & Fine Gravel

Show exact depth of bottom

59,430

#3247

State of Montana
County of Gallatin } ss.
Filed June 8 1973
at 10:20 o'clock a.m.
Carl L. Stucky
County Clerk & Recorder
By Frederick W. Bridge
Deputy
Fee \$ 2.00

County Gallatin

27

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 3261

JUNE 14, 1973

GW I 10:45 A.M.

Owner Backyard Francis E. & Betty L. SURR

Address 501 W. Peach; Bozeman, Mont. 59715

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed _____

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) Springs, Semi Developed

2. Means of withdrawing water (gravity, pump, canal, etc.) Canal and Pump

3. Depth of water table Unknown

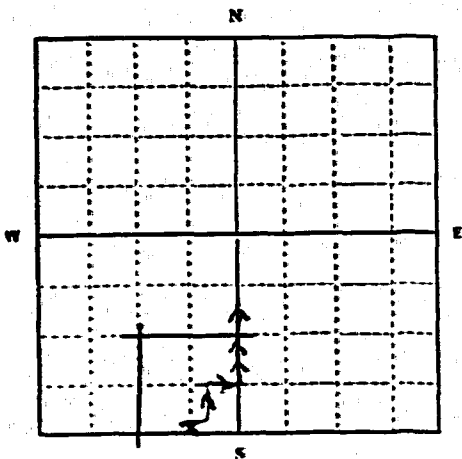
4. Use of the water Irrigation, and Stock Water

5. Amount of groundwater claimed (in miner's inches or gallons per minute) Up to 100 Inches

6. If used for irrigation, give number of acres and description of land 10 Acres Pasture
Hay Level Ground

7. Estimate amount of water used each year 50 Inches

8. Months of year spring flows 12 Months



SE 1/4 SW 1/4 Sec. 27

T. 18 N R. 5E E
S W

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated 4795

Signature of Owner Francis E. Surr

Date 6-14-73

3261

State of Montana }
County of Gallatin } ss.
Filed June 14, 1973
at 10:45 o'clock A.M.

Carl L. Stucky
County Clerk & Recorder
By James W. Bridges
Deputy

Fee \$ 2.00 /10

Montana State Library & Archives
Helena, Montana 59601

#9

RECEIVED

County Gallatin

27

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

JAN 6 1972

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

Indicate the character, color, thickness of strata such as soil, clay, sand, 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 J.W. Tebocha
Address 1035 8th
Bozeman, Mont.
Date well started Oct. 20, 1971
completed Oct. 25, 1971

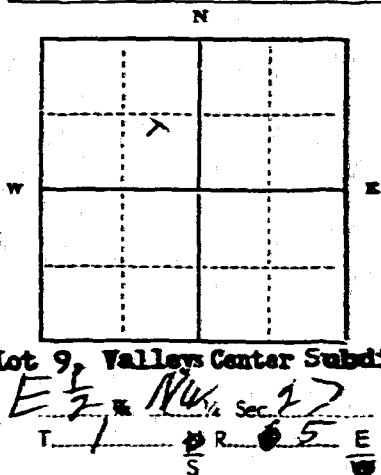
For Administrator's Use	
File # <u>30.31 Jan 5, 1972</u>	Time <u>11:15 A.M.</u>
GW <u>1</u>	

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).

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 in.</u>	<u>7" O.D. 24#</u>	<u>1' above Ground</u>	<u>68'</u>	<u>-</u>	<u>-</u>	<u>-</u>



Static water level 14 ft.*
Pumping water level 68 ft.*
at 15 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for 1 hours.
Power _____ Pump _____ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>3</u>	<u>Top Soil</u>
<u>3</u>	<u>45</u>	<u>Sand, Gravel + Clay</u>
	<u>14</u>	<u>Static water level</u>
<u>45</u>	<u>53</u>	<u>Clay</u>
<u>53</u>	<u>60</u>	<u>Sand, Gravel + Clay</u>
<u>60</u>	<u>65</u>	<u>Sand + Gravel</u>
<u>65</u>	<u>68</u>	<u>Sand + Fine Gravel</u>

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

Driller's Signature Donald C. Jones
Driller's Address 2107 Broadway Dr.
Bozeman, Montana LICENSE NO. 17

68 ft Show exact depth of bottom

49699

3031

1972
11:15
11:15
11:15

State of Montana | ss.
County of Gallatin |
Filed January 5, 1972
at 11:15 o'clock A.M.
Carl L. Stucky
County Clerk & Recorder
By Paul M. Bridges
Deputy
Fee \$ 7.00

1972
11:15
11:15
11:15

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED

DRILLER'S LOG

JAN 6 1972

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
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 J.W. Trubische
Address 103 S. 5th
Bozeman Mont.
Date well started Oct. 26, 1971
completed Nov. 12, 1971

For Administrator's Use	
File #	<u>3030 Jan 5, 1972</u>
Time	<u>10:10 A.M.</u>
GW I	

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

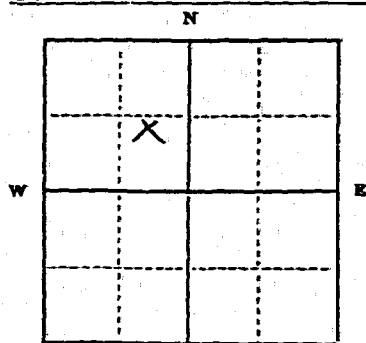
Equipment used Churn Drill
(Churn drill, rotary or other)

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). _____

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 in</u>	<u>7" O.D. 24#</u>	<u>1' above Ground</u>	<u>60'</u>			
	<u>5 7/8" O.D.</u>	<u>59'</u>	<u>74 1/2'</u>	<u>1/2" x 3" Slot</u>	<u>59'</u>	<u>74 1/2'</u>



Static water level 15 ft.*
Pumping water level 74 1/2 ft.*
at 8 gallons per minute,
measured 90 minutes after pumping began.
*Measured from ground level.
Well developed by Bailer
for 1 1/2 hours.
Power _____ Pump _____ HP
Remarks: (Gravel packing, cementing, packers, type of shut-off) _____

Lot 7-A, Valley Center Subdiv
E 1/2 NW 1/4 Sec 27
T. 1 R. 6 S. E

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

Driller's Signature Donald C. Jones
Driller's Address 2107 Bridger Dr.
Bozeman, Montana LICENSE NO. 17

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
<u>0</u>	<u>4</u>	<u>Top Soil</u>
<u>4</u>	<u>38</u>	<u>Sand, Gravel & Clay</u>
	<u>15</u>	<u>Static water level</u>
<u>38</u>	<u>45</u>	<u>Brown Clay</u>
<u>45</u>	<u>50</u>	<u>Sand & Gravel</u>
<u>50</u>	<u>63</u>	<u>Clay</u>
<u>63</u>	<u>65</u>	<u>Sand & Gravel</u>
<u>65</u>	<u>96 1/2</u>	<u>Sand, Gravel & Clay</u>

96 1/2 ft Show exact depth of bottom

3030

State of Montana } ss.
County of Gallatin }

Filed January 5, 1972

at 11:10 o'clock A.M.

Carl L. Slukey

County Clerk & Recorder

By Louise O. Bridge

Deputy

Fee \$ 2.00

27

T 15 R SE
County **RECEIVED**
MAY 1960

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana
STATE ENGINEER

WATER WELL LOG

Owner Ellis V. Westlake Address Bozeman Route 3
Lovitt I Westlake
 Driller M.E. Jones Address Bozeman
 Date Started May 17, 1960 Date Completed May 20, 1960
 Location: Sec. 27 T. 15 R. SE 1/4 sec. SE

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 41 ft. Type Black Pipe Size 6 5/8 O.D.
 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: 17 feet.

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

Pumping water level 41 feet at 30 gal. per min.

How tested: Pump

Length of test: 2 Hours

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	
5	37	Gravel
37	38	Sand
38	41	Gravel

Gallatin County, ss
 State of Montana, ss
 Filed **MAY 26**, 1960
 at P. M.
 BY **Clark Hudson**
 COUNTY CLERK & RECORDER
 Fee \$ 2.00 Pd. DEPUTY

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

RECEIVED

16-5E
County Gallatin

DRILLER'S LOG

16.1973

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 Morey A. & Dorothy SPERRY
1000 1/2 Lot 8, Valley Center Subdiv.
 Address Route 1
Bozeman, Mont., 59715
 Date well started Oct. 19, 1970
 completed Oct. 22, 1970

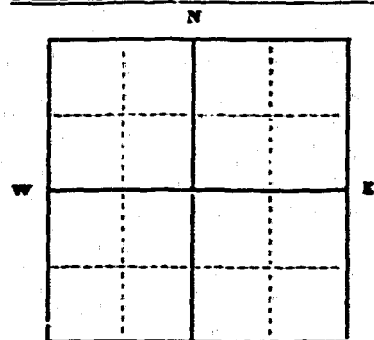
For Administrator's Use	
File	<u>5313</u>
	<u>July 2, 1972</u>
GW	<u>10-00A-101</u>

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). 1/2 Lot 8, Valley Center Subdiv.

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 in.</u>	<u>6 5/8" OD</u> <u>17#</u>	<u>1' above Ground</u>	<u>48'</u>	—	—	—



Static water level 8 1/2 ft.*
 Pumping water level 49 ft.*
 at 25 gallons per minute,
 measured 60 minutes after pumping began.
 *Measured from ground level.
 Well developed by Pump
 for 1 hours.
 Power _____ Pump _____ HP
 Remarks: (Gravel packing, cementing, packers, type of shutoff)

1/2 Lot 8, Valley Center Subdiv.
1/4 1/4 Sec. 27
T. 1 N. R. 5 E.
1 S. W.

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

Driller's Signature Donald W. Jones
 Driller's Address 2167 Bridger Dr.
Bozeman, Mont. LICENSE NO. 17

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
<u>0</u>	<u>2</u>	<u>Top Soil & Clay</u>
<u>2</u>	<u>23</u>	<u>Gravel</u>
	<u>9 1/2</u>	<u>Static water level</u>
<u>23</u>	<u>28</u>	<u>Sand & Gravel with Clay</u>
<u>29</u>	<u>36</u>	<u>Gravel bound in Clay</u>
<u>36</u>	<u>39</u>	<u>Clay</u>
<u>39</u>	<u>47</u>	<u>Gravel bound in Clay</u>
<u>47</u>	<u>49</u>	<u>Sand & Gravel</u>
	<u>49</u>	<u>Bottom of well</u>

Show exact depth of bottom

#3383

State of Montana }
County of Gallatin } ss.
Filed July 13, 1973
at 10:00 o'clock A.M.
Carl L. Stucky
County Clerk & Recorder
By J. D. [Signature]
Deputy
Fee \$ 7.00

File No. _____

T 15 R 5 E

DUPLICATE

County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

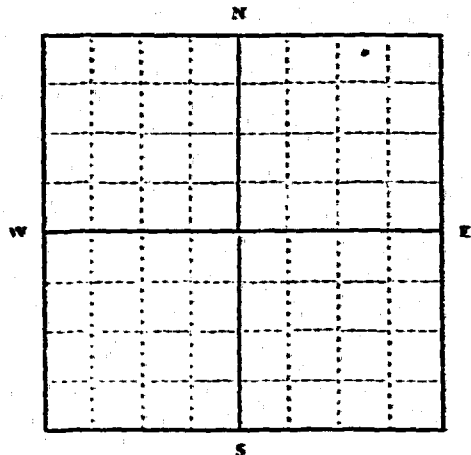
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I William M. Stanley, of _____, (Name of Appropriator) (Address) (Town)

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



1/4 Sec 21 T 15 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 _____
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been _____
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) _____
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof _____
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal _____

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater _____
- 8. The depth of water table _____
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater _____
- 10. The estimated amount of groundwater withdrawn each year _____
- 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 William M. Stanley
Date Jan 16 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.

35943

1624

State of Wisconsin
County of Barraboo
Filed Dec - 31
12-32 P.
Paul Walker
AR
203

28

File No. _____

T 15 R 5 East

DUPLICATE

County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 20 1963

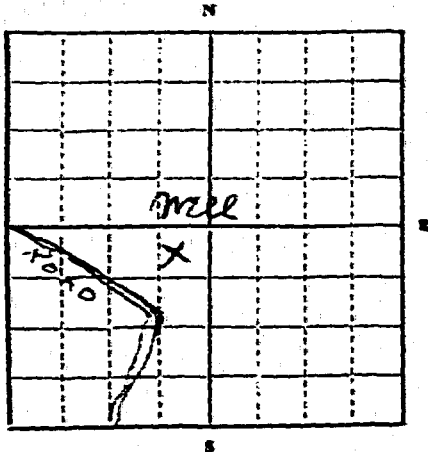
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Harry E. Randall Gerolke May Revell of Route #1 Bozeman
(Name of Appropriator) Bozeman (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. E 1/4 Sec 28 T 15 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 Domestic and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Feb 10 1949
Use in use about 14 years

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 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
about 1 acre of garden and lawn

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Dec 10 1949

8. The depth of water table about 45 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. 4 1/2 inch pipe

10. The estimated amount of groundwater withdrawn each year 200-300

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

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: Harry E. Randall Gerolke May Revell

Date: Jan 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.

10/04

926

State of Montana }
County of Gallatin } ss.

Filed Dec 19, 1963

at 2.50 o'clock P M.

Carl Wilkins
COUNTY CLERK & RECORDER

By [Signature]
DEPUTY

Fee \$ 2.50

File No. _____

T. 1S R. 5E

DUPLICATE

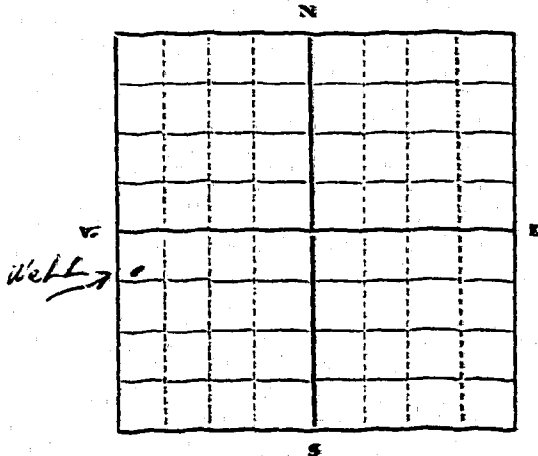
County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 23 1963

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

I Robert J. Paugh of Rt. 1 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:



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 Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1944 - Continuous use since that time
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal well with 6" casing, electric pump. For location see diagram for exact location in NW 1/4, Sec. 29, T. 1 South of Range 5 East
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1944
8. The depth of water table August - 12", March 30"
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 See answer to #6 above 55' well
10. The estimated amount of groundwater withdrawn each year 50,000 gallons
11. The log of formations encountered in the drilling of each well if available 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 _____

Signature of Owner Robert J. Paugh
Date Apr. 22, 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.

622

State of Montana)
County of Gallatin) SS.
Filed 4-22, 1957
at 410 o'clock 8 M.
Carl Wallen
CLERK & RECORDER
By: [Signature]
DEPUTY
Fee \$ 2.00

File No. _____

T. 1 S. R. 5 E.

DUPLICATE

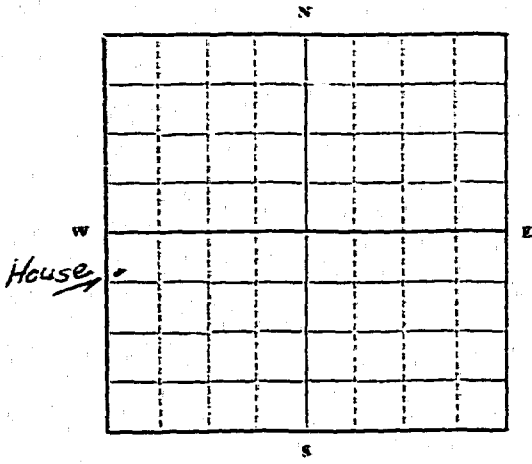
County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 23 1963

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

I, ROBERT J. PAUGH, of Rt. 1 Bozeman (Town)
(Name of Appropriator) (Address)
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. 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 personal household use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1966 - continuous use since that time
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Approximately 1/4 acre in the NW 1/4 of the SW 1/4, Sec. 29, T. 1 South of Range 5 East, owned by Robert J. Paugh, purchasing under contract for deed from John C. & Dorothy Paugh
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well with 4" casing, electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1960
8. The depth of water table August - 12' March - 30'
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 See answer to No. 6 above
55' well
10. The estimated amount of groundwater withdrawn each year 550,000 gallons
11. The log of formations encountered in the drilling of each well if available 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 _____

Signature of Owner Robert J. Paugh
Date April 22, 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.

State of Montana : ss.
County of Gallatin :

Filed 4-22, 1968

at 4-15 o'clock 9 M.

COUNTY CLERK & RECORDER

By [Signature]
DEPUTY

Fee \$ 7.00 ad

File No. _____

T. 1 S. R. 5 E

DUPLICATE

County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 23 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. ROBERT J. FAUGH of Rt. 1, Rosman,
(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. 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 sub-irrigation

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

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 of section 29, Township 1 South Range 5 East owned by Robert Faugh, purchasing under contract for deed from John C. & Dorothy Faugh

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 varies with time of year. August - 12' March - 30'

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.

Signature of Owner Robert J. Faugh

Date April 22, 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.

623

State of Montana
County of Gallatin, ss.
Filed 4-22 1963
at 4:17 P.M.
Carl Waller
COURT CLERK & RECORDER
By Foster
DEPUTY
Fee \$ 2.75

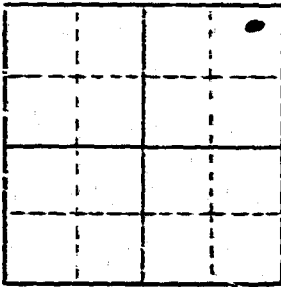
Form No. 18
8-60

30

T. 18 R. 5E
County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water well log



Owner Jake Marf Address Bozeman
Driller E. Whiteaker? Address _____
Date Started Feb. 1953 Date Completed Feb. 1953
Location: Sec. 30 T. 18 R. 5E 1/2 sec. N1/4 NE1/4

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 0 ft. to 27 ft. Type Steel pipe Size 4 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 none

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

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

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

How tested: Measured while pumping & before

Length of test at one time

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

(over)

T 15 R 5E 30

County _____

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

RECEIVED

STATE ENGINEER

Owner Tom & Mary K. Hart Address Logan Montana

Driller unknown Address _____

Date Started _____ Date Completed _____

Location: Sec. 31 T. 15 R. 5E $\frac{1}{4}$ sec. NW SW

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: _____ ft. to _____ ft. Type _____ Size 1"

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)

was operating in place in 1932

(over)

221

Greene County, Va. ss.

December 12, 1961

10:50 A. M.

EARL WALTON

Ida J. Morrow
DEPUTY

Fee: 2.00 Pd.

T 15 R 5E 30

County BEAUFORT

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

	x	

Owner Wm. J. Kelly Address Bozeman, Montana
 Driller Van Suben Drilling Address Bozeman, Montana
 Date Started Aug 8, 1954 Date Completed Aug 12, 1954
 Location: Sec 30 T 15 R 5E 1/4 sec NW 8 1/2

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

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

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

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

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

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

Type of screen or perforations _____

Static Water level, for non-flowing well: 4' feet.

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

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

How tested: Ball

Length of test _____

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

(over)

File No. _____

T 18 R 5E 30
County Gallatin

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

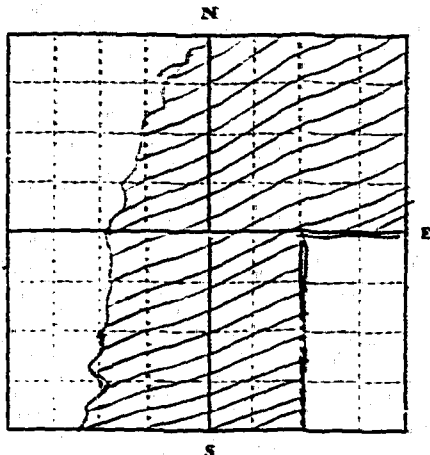
RECEIVED
DEC 18 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, JAMES T. PAUGH, of Rt. 1 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:



~~Section 30~~ Sec 30 T18 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
Sub-Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1900 - Continuous since that year
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
1/2 Sec. 24, SW 1/4, NE 1/4 and all of the NW 1/4 lying east of the center line of Middle Creek, Section 30, Township 18, Range 5E, N.P.M.
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 Dec. - 8 feet, Feb. - 10 feet, April - 12 feet, June 1 - 8 feet, June 15, - 3 feet, July 1, - 1 1/2 feet, Sept. - 2 feet, Nov. - 3 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
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
approximately 200 miners inches of appropriated surface water are utilized during summer months to maintain level for sub-irrigation

Signature of Owner James T. Paugh
Date December 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.

1004

873

State of Montana | ss.
County of Gallatin |

Filed Dec. 16, 1963

at 4:55 o'clock P-M.

COUNTY CLERK & RECORDER

By [Signature]

DEPUTY

Fee \$ 2.00

File No. _____

T I S R 5 E

DUPLICATE

County Bullhead

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 James T. Pugh Address Rt. 1, Box 319

Driller Harold Halbat Address Route 1, Bynum, Mont.

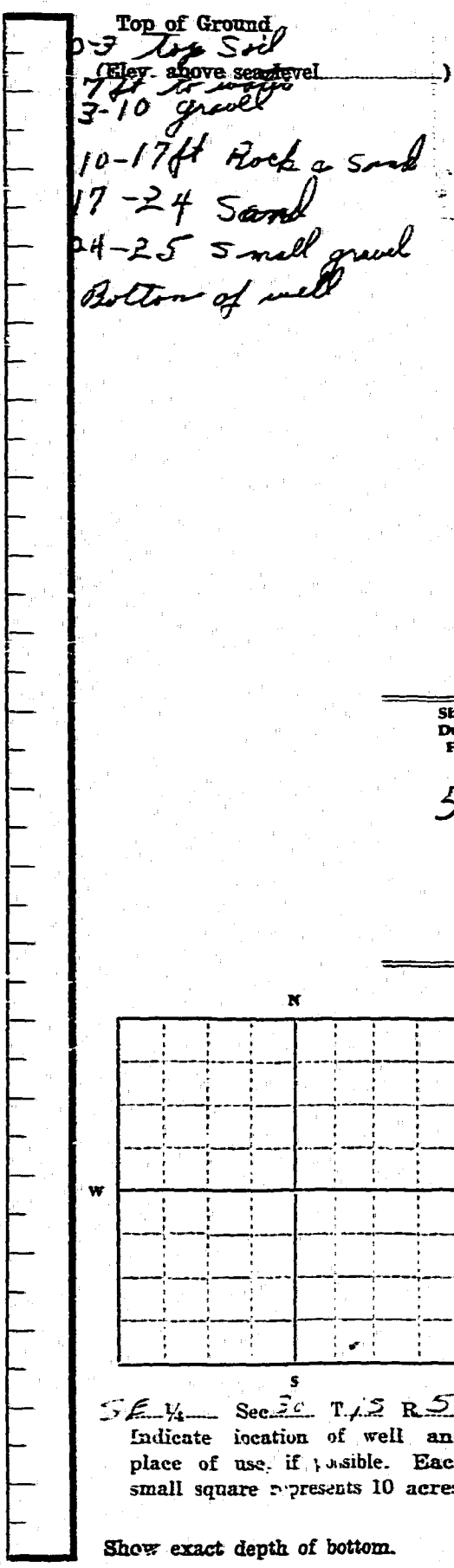
Date of Notice of Appropriation of Groundwater _____

Date well started Dec 19, 1962 Date Completed Dec 20, 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)
5"	4 1/2" OD 8 lb	0	24	None		

Static Water Level for non-flowing Well 7 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 1.0 feet at 35 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Bailer Length of Test 2 hr

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

None

47
Driller's License Number

Harold B. Halbat
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.