

555

County of ...

1962

November 13, 1962
1:10 P.

E. J. ... C. Clerk
J. A. Morrow
2.00 P. Deputy

7

File No. _____

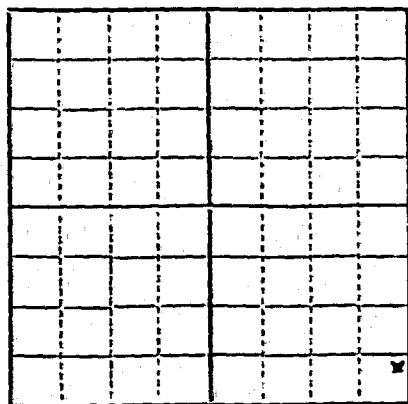
DUPLICATE

T. 25 R. 4E
County GallatinSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. H. H. Cain of Route One 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. 14 T. 25 R. 4E

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 & Commercial
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1930 and continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute)
40 gal. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Stockwater, garden, shop
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.
definite date unknown
8. The depth of water table
15 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
drilled well 8 inch casing 25 feet deep
10. The estimated amount of groundwater withdrawn each year
2,000 - 3,000 gallons
11. The log of formations encountered in the drilling of each well if available
unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
unknown

Signature of Owner

H. H. Cain
 Dated Dec. 28th 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.

35-816

1502

State of Montana (ss.
County of Gallatin)
Filed Dec 31 1963
at 10:44 o'clock A M.
Carl H. Hatten
COUNTY CLERK
By Theresa Fiddie
Fee \$ 2.00 DEPUTY

File No. _____

T 2S R 4E

DUPLICATE

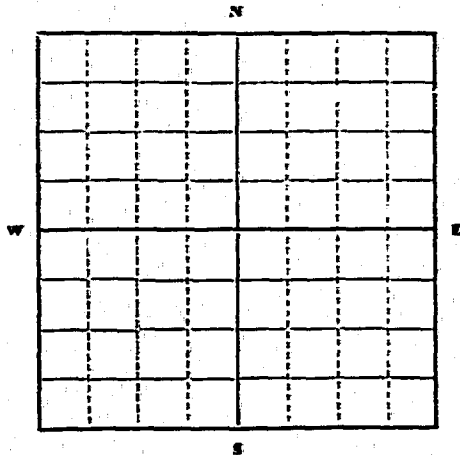
County GALLATIN

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 27 1964

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

1. HAROLD CAIN, of ROUTE ONE 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 14 T 2S R 4E

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

Lot 46, Rainbow Subdivision,
Gallatin County, Montana.

2. The beneficial use on which the claim is based Domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been March 1961
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gal per min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March 18, 1961
8. The depth of water table 14 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
5 5/8" OD 15' 33 feet deep
10. The estimated amount of groundwater withdrawn each year
11. The log of formations encountered in the drilling of each well if available
4 feet Soil rock
30 feet Sand, Rock and Boulders
33 feet Clay, gravel, water
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 Harold D. Cain

Date 19 February 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.

35027

#1835

State of Montana)
County of Gallatin) ss.
Filed **February 26** 1964
at **2:15** o'clock **P.** M.
EARL WALTON
COUNTY CLERK & RECORDER
By *Leola H. Mayfield*
DEPUTY
Fee \$ **2.00** pd

File No. _____

T. 25 R. 4 E

DUPLICATE

County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

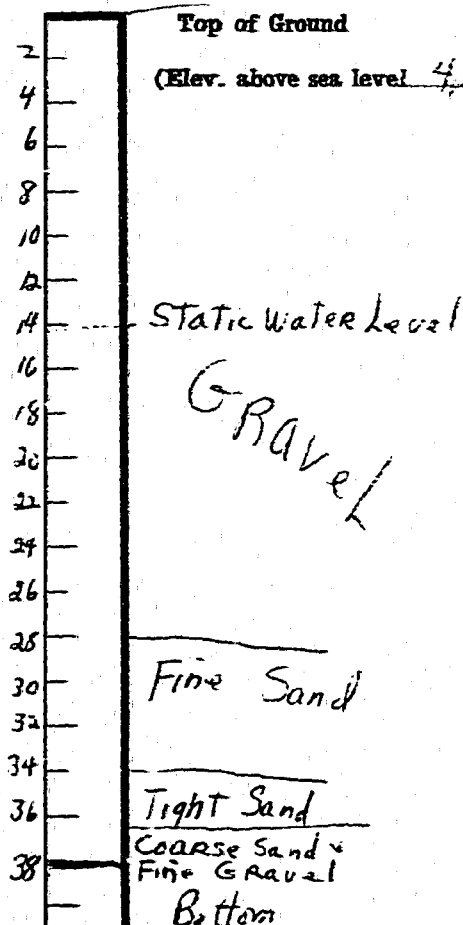
(Under Chapter 237, Montana Session Laws, 1961)

Owner Jack and Isla Cain Address Rte 1, Bigman, Mont.Driller Milton E. Jones Address Bigman, Mont.

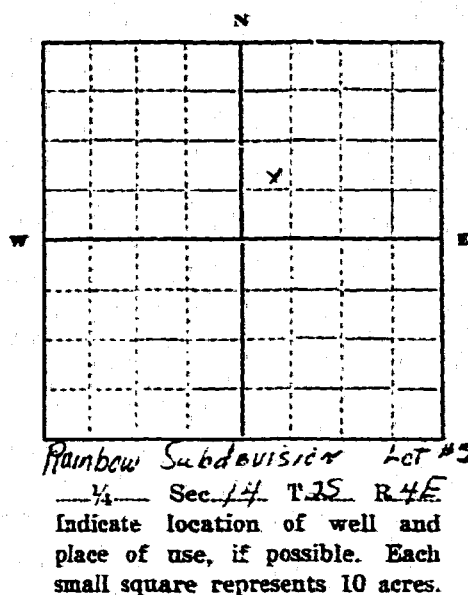
Date of Notice of Appropriation of Groundwater _____

Date well started Nov 24, 1962 Date Completed Dec 9, 1962Type of well Drilled Equipment Used Churn
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	6 5/8" 15 #	0	36 1/2	—	—	—



Show exact depth of bottom.

Static Water Level for non-flowing Well 15 1/2 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 36 1/2 feet at 40 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Pump Length of Test 1 1/2 hrs

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

Driller's License Number 17Driller's Signature Milton E. Jones

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.

590

State of Montana)
County of Granite) ss.

Feb 21 1901

1:50 o'clock P. M.

Earl Wilton

COUNTY CLERK & RECORDER

[Signature]

DEPUTY

Fee \$ 2.00

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—32496

File No. _____

DUPLICATE

T. 25 R. 4E

County

GALLATIN

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERTop of Ground APPROXIMATELY
(Elev. above sea level 4795)Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner

Jack Cain and John Cain Address RT 1 Bogman Mont.

Driller

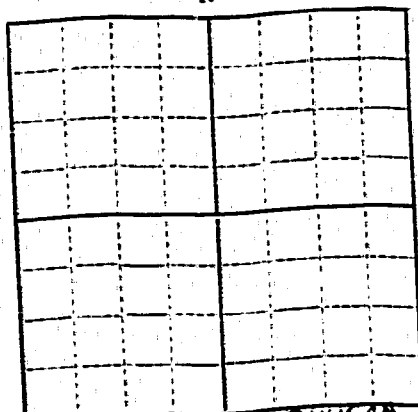
Harold Hulbert Address RT 1 Bogman Mont.

Date of Notice of Appropriation of Groundwater _____

Date well start July 2-1962 Date Completed July 6-1962Type of well welled
(dug, driven, bored or drilled)Equipment Used Churn
(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)
7"	6500 8 14 lbs	0	27'6"	none		

RAINBOW SUB DIVISION
LOT 100
1/4 Sec. 14 T2S R4E
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 9 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 11 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, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

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

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

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

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

2900.

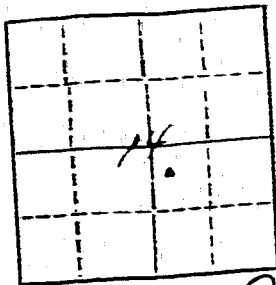
571

State of Montana
County of Gallatin
dated December 27, 1962
at 2:15 P.M.
Paul Nelson
CLERK & REC'D
By Ida J. Morrow
DEPUTY
Fee \$ 2.00 Pd.

T. 7S R. 4E 14
County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner A.B. CARTER Address Box 15, Bozeman
Driller Jones Address Bozeman, MT
Date Started 12-1-59 Date Completed Dec 5, 1959
Location: Sec. 14 T. 7S R. 4E 1/4 sec. NE 1/4
Rainbow Lake 252

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

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

Casing: 4 ft. to 3 1/2 ft. Type Steel Size 6"

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

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

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

Type of screen or perforations _____ feet.

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

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

Pumping water level: 20 feet at 150 gal. per min.

How tested: Electric Pump

Length of test: 1 hr.

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

(over)

feet Log

0 to 6 - top soil, dirt

6-26 - sand, gravel, rock

#402

Gallatin County,
State of Montana, } ss.
Filed Dec 29, 1911
at 3:03 o'clock P.M.
Carl M. Patton
COUNTY CLERK & RECORDER
By J. A. MacLure
DEPUTY
Fee \$ 2.00

14

25 R 1E
County Galatia

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner R.D. Christopherson Address Bozeman

Driller M.E. Jones Address Bozeman

Date Started May 18, 1960 Date Completed May 19, 1960

Location: Sec 14 T 28 R 4E 1/4 sec tract 189, Rainbow
sub-sec.

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

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

Casing: Surface ft. to 32 1/2 ft. Type Black Steel Size 6 5/8 ID 15"

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: 8 feet.

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

Pumping water level 32 1/2 feet at 20 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

[illegible]

304

RECEIVED

25-4E
County SANBORN

JUL 5 1973

DRILLER'S LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

**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 W.O. DESHAW

Address RT 4 BOX 154
BOZEMAN, MONT.

Date well started 1961

completed 1961

Type of well DRILLED

(Dig, driven, bored or drilled)

Equipment used

(Chain drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

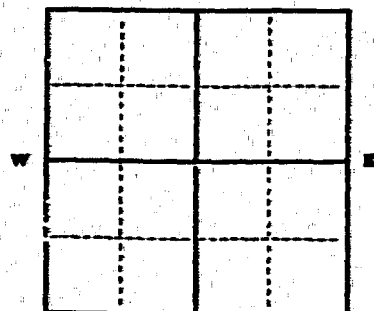
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☒

*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 5/8</u>	<u>6"</u> <u>15' AT</u> <u>5'</u>	<u>0</u>	<u>32'</u>			



Static water level 10 ft.*
Pumping water level 4 ft.*
at 20 gallons per minute,
measured 60 minutes after pumping
began.
*Measured from ground level.
Well developed by _____
for _____ hours.
Power _____ Pump _____ HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

At 82
1/4 1/4 Sec 14
T. 25 N. R. 4E E
S W

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

Driller's Signature IAN LYKEN DRILLING CO.

Driller's Address BOZEMAN, MONT.

LICENSE NO.

LOTS 79-80-81-82 & 72 SANBORN SUBDIVISION

32' Show exact depth of bottom

55577

3336

State of Montana } ss.
County of Gallatin }
Filed June 24, 19 73
at 10:00 o'clock A.M.
C. L. Stucky
County Clerk & Recorder
By A. D. Bridge
Deputy
Fee \$ 200.00

File No. _____

T 25 R 48

DUPLICATE

County Gallatin

RECEIVED
MAR 30 1965

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0- 5 Dug well
5- 20 Rock
20-25 Clay Rock
25-27 gravel sand
c. water course
28 Bottom of well

Owner Rudolph P. Dwight Address Box 1 BonanzaDriller Harold H. Hulbert Address Box 1 Bonanza

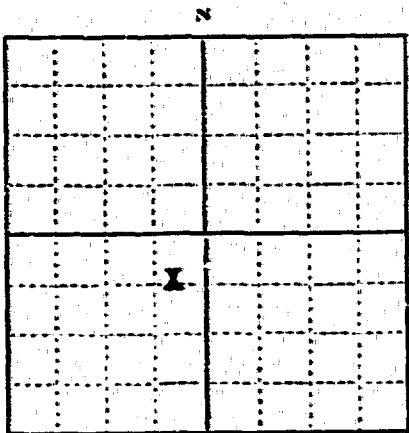
Date of Notice of Appropriation of Groundwater _____

Date well started July 23 1964 Date Completed July 23 1964Type of well Drilled Equipment Used Churn
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	6 5/8 O.D. 13.4	5	25	none		



ne 1/4 Sec. 14 T. 25 R. 48
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 9 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 12 feet at 80 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested gauge Length of Test 2 1/2 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) _____

NoneDriller's License Number 47Driller's Signature Harold H. Hulbert

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

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

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

39035

1897

State of Montana
County of Gallatin

Filed March 24, 1965

at 10:45 o'clock A.M.

By Carl L. Smith

COUNTY CLERK & RECORDER

Fee \$ 20.00

Please fill in mine checked and fill with county clerk's record within 30 days.

RECEIVED

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

38	38
38	38
38	38

Owner: Rudolph V. Wright Address: Bozeman
Driller: Van Dyken Drilling Address: Bozeman
Date Started: Nov. 10/57 Date Completed: Nov. 11/57
Location: Sec. 14 T. 2A R. 4E 1/4 sec

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

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

Casing: 0 ft. to 28 ft. Type: Steel P.C. Size: 6 5/8" O.D. 17# welded

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

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

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

Type of screen or perforations: _____

Static Water level, for non-flowing well: 9 feet.

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

Pumping water level: 18 feet at 20 gal. per min.

How tested: Bailey

Length of test: 1 hr.

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

(over)

[illegible]

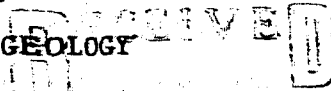
30000 County, }
 May of 1908.
 Filed *May 12* 1908
 at *Black Mt*
W. B. [Signature]
 COUNTY CLERK & RECORDER
 DEPUTY

Form No. 18
8-60

T. 2 S. R. 4 E.

County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana



WATER WELL LOG STATE ENGINEER

Owner Charlie and Evelyn Fuchs Address Bozeman, Mont.

Driller _____ Address _____

Date Started 1925 Date Completed _____

Location: Sec. 14 T. 2 S. R. 4 E. $\frac{1}{4}$ sec. Rawhide Sub Div.

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

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

Casing: 14 ft. to _____ ft. Type galv Size 12 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: 13 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)

#473

Gallatin County,
State of Montana.

Filed Dec 29 1961

at 3:24 o'clock P. M.

Carl Walton
COUNTY CLERK & RECORDER

By A. J. McPherson DEPUTY

Fee \$ 2.00

T 25 R 4E

County Gallatin

RECEIVED
Gallatin
AFTER CODE 5 1962

(Under Chapter 237, Montana Session Laws, 1961)

Driller Harold Mulbert Address Rt One Boyman

Date well started June 13-1962 Date Completed June 19-1962

Equipment Used Churn
(Churn, drill, rotary or
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 water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	EXPLANATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	65 00 8 14 lbs	0	26			

Shut-in Pressure for Flowing Well

Discharge in gal. per min. of flowing well

How Tested Backer Length of Test 1 hr

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

Driller's Signature _____

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.

721-

#506

State of Montana }
County of Gallatin } ss.

Filed June 22, 1962
at 9:25 o'clock A. M.

KARL WALTON

COUNTY CLERK & RECORDER

By Lucille M. Maguire
DEPUTY

Fee \$2.00 pd

GW 2

File No. _____

DUPLICATE

Approved Stock Form—State Publishing Co., Helena, Montana—38496

Tract 247 Rainbow Sub Div. T 2S R 4E
Bozeman Hot Springs
County GallatinRECEIVED
MAY 31 1963STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

0-4 Soil water at 11'
4-20 gravel
20-25 Rock
25-28 gravel
28-30 Clay Rock
31' Bottom of well

STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

William Joseph & Dorothy May Hathaway

Owner

Address Route 1 Bozeman

Driller Harold Hulbut

Address Route 1 Bozeman

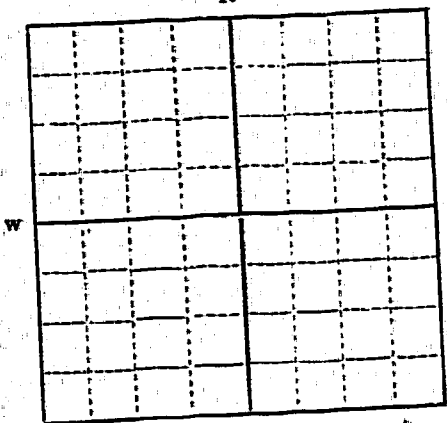
Date of Notice of Appropriation of Groundwater _____

Date well started May 29, 1963 Date Completed May 29, 1963

Type of well Drilled
(dug, driven, bored or drilled)Equipment Used Churn
(Churn, drill, rotary or other)Water Use: Domestic ☒
Industrial ☐Municipal ☐
Drainage ☐Other ☐
Stock ☐Irrigation ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7	6 5/8 O.D. 14 1/4	0	30			

SE 1/4 Sec. 14 T2S R4E
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 11 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 15 feet at 21 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested Bailers Length of Test 2 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) _____

None

Notary Public for the State of Montana
Residing at Bozeman, Montana
My Commission Expires Jan. 1, 1965

Driller's License Number 47

Driller's Signature Harold B. Hulbut

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.

4534

The County of Gallatin, Montana, do hereby certify that the within and foregoing is a true and correct copy of the original as the same appears in the records of the County of Gallatin, Montana.

50 Commission Expires on 11/1/63
 Notary Public in and for the State of Montana
 My Comm. Expires on 11/1/63

637

State of Montana } ss.
 County of Gallatin }
 May 29, 1963
 Filed _____
 at _____ o'clock _____ M.

 COUNTY CLERK & RECORDER
 By John T. Morrow
 2.00 Pd. DEPUTY
 Fee \$ _____

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Form No. 18
8-60

T. 25 R. 4E
County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
SEP 20 1961

Water Well Log

STATE ENGINEER

		✓

Owner Edwin Hughes Address Box 647 Bozeman
Driller Van Dyke Drilling Co Address Bozeman
Date Started 9/22/61 Date Completed 9/25/61
Location: Sec. 14 T. 25 R. 4E $\frac{1}{4}$ sec. 26384

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

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

Casing: 0 ft. to 27'8" ft. Type Pine steel Size 6 5/8" O.D. 17" P.E.
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 8 feet at 35 gal. per min.

How tested: Bailer

Length of test 1 hr.

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

(over)

Log of Well

[illegible]

Form No. 18
8-60

T. 2S R. 4E
County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner Jack Hulbut Address Route one Bozeman
Driller Harold Hulbut Address Bozeman
Date Started April 21-1960 Date Completed April 22-1960
Location: Sec. 14 T. 2S R. 4E $\frac{1}{4}$ sec. Lot 68, Rainbow
Sub-Div. Bozeman Hot Springs Tract

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

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

Casing: 0 ft. to 33 ft. Type Steel Size 6 5/8" OD 15#

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: 15 feet.

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

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

How tested: Bailer

Length of test 2 hrs

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

(over)

Log of Well

[illegible]

Gallatin County, } ss.
State of Montana. }

Filed November 21, 1961

at 1:35 o'clock P.M.

EARL WALTON
COUNTY CLERK & RECORDER

By Scott A. Hargrett

2.00 pd

GW 2

File No. _____

DUPLICATE

Location = ?
 Ownership = ?
 Sent back to County July 5
 corrected
 Received in Helena July 9

Applied Stock Form—State Publishing Co., Helena, Montana—38496

25 4E
RECEIVED
 JUN 21 1962

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)

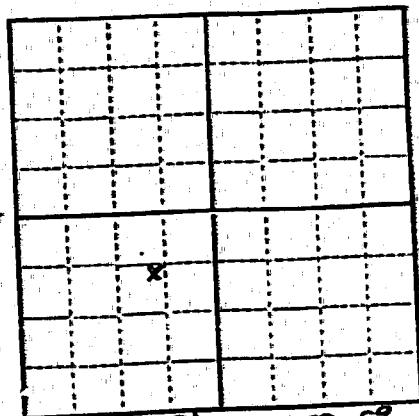
Owner Daniel R. Jaro Address 37 E. Story BismarckDriller Harold Hulbert Address Rt 1 Bismarck

Date of Notice of Appropriation of Groundwater _____

Date well started June 2, 1962Date Completed June 11, 1962Type of well Ciller
(dug, driven, bored or drilled)Equipment Used Churn
(Churn, drill, rotary or other)Water Use: Domestic ☒ Industrial ☐Municipal ☐ Drainage ☐Other ☐ Stock ☐Irrigation ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7 inch	6 5/8 OD 14 lbs	0	37' 1"	none		



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 8 feetShut-in Pressure for Flowing Well nonePumping Water Level 12 feet at 25 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, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

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

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

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

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

912

503

State of Montana ss.
County of Gallatin

Filed June 20, 1962

at 10:40 o'clock A.M.

Carl Wallen

COUNTY CLERK & RECORDER

By Deputy

Fee \$ 2.00

File No. _____

T. 23 R. 4E

DUPLICATE

County Gallatin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 24 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

CARLE JONES

LEON R. JONES

of Route 1

Bozeman

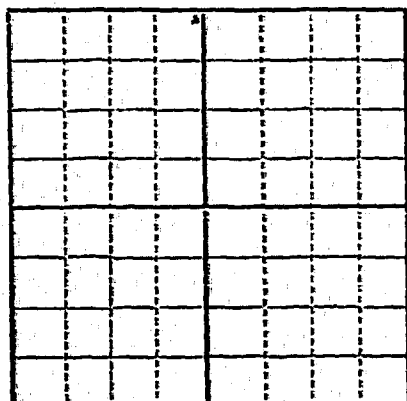
(Name of Appropriator)

(Address)

(Town)

County of GALLATINState of MONT

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



E 1/4 NW Sec 14 T 23 R 4E

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

2. The beneficial use on which the claim is based Home and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 3/16/61
Every day
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
Some has been used
To irrigate the owner's land
owner - Carl F. Jones
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well and Pump
7. The date of commencement and completion of the construction of the well, wells or other works for withdrawal of groundwater Started 5-11-61 Completed 6-9-61
8. The depth of water table 9 1/2 ft to 11 1/4 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
1/2 inch.
10. The estimated amount of groundwater withdrawn each year 133,725 gallons.
11. The log of formations encountered in the drilling of each well if available
4 ft top soil & gravel 28 ft - light sand
4 ft above water.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None.

Signature of Owner

Carl F. Jones

Date

4-4-63

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.

252

22 MAR 14 5 41 PM '63

TO: HONORABLE JUDGE J. J. HARRIS
FROM: J. J. HARRIS

quint

15-11-000

Quint 2-11-01 completed 2-20-63

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15-11-000 - 15-11-000 - 15-11-000

15-11-000

State of Montana } ss.
 County of Gallatin }
 Filed April 23 1963
 at 7:15 o'clock P. M.
 By John T. Morrow
 COUNTY CLERK & RECORDER
 Fee: \$ 2.00 ^{DEPUTY} Pl.

STATE WATER CONSERVATION BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—C232

GW 2

JAN 28 1965

T 2S R 4E

File No.

BFE McDermott

Bu. McElvally

Cc. Morton

LOGD. Sullivan

Dickert

County Gallatin

DUPLICATE

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 CARROLL KEMP Address BOZEMAN MONT

Driller POTTS DRILLING Address BOZEMAN MONT

Date of Notice of appropriation of groundwater

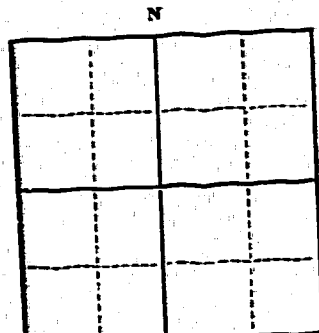
Date well started JAN-10-66 Date completed JAN-13-66

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" ID 19 LB.	0	30			



Static Water Level for non-flowing well 14 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 20 feet

at 40 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested BAILER

Length of Test 1 HR

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

1/4 Sec. 16 T. 2S R. 4E
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).

Tracts 433, 434,
Rainbow Subdiv.
Bozeman Hot Springs

Show exact depth of bottom.

30

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

Robert A. Potts
Driller's Signature

40780

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BOARD OF DIRECTORS NEW YORK

State of Montana }
County of Gallatin } ss.
Filed January 25 1966
at 10:10 o'clock A.M.
Carl L. Stucky
County Clerk & Recorder
By Frank B. Mayhew
Deputy
Fee \$ 2.00

94-11-11-416

10/12 11:11 PM

7-10-67

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File No. _____

T 25 R 4E

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

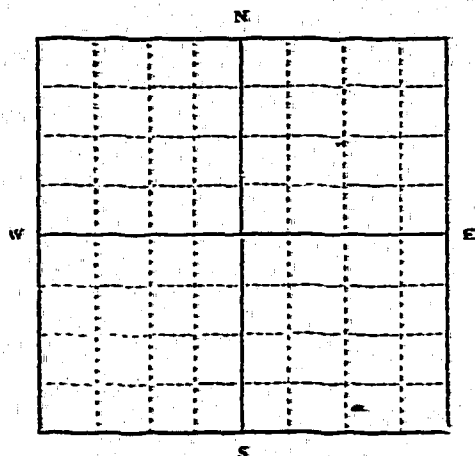
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jack O. Kyle, of P O Box 817 Bozeman, Mont
(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. 14 T. 2 S. R. 4 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 and lawn and garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been
June 1958 continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 GPM
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
1/4 acre lawn and garden
Jack O. Kyle
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Domestic jet pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
June 1958
8. The depth of water table 38 feet to bottom of well, water level 8 feet below surface
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
6" steel casing 38 feet deep
10. The estimated amount of groundwater withdrawn each year 700,000 gallons
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

property located as follows

North 100 feet of tract 453 and north 100 feet of west 10 feet of tract 452
Rainbow Subdivision, Bozeman Hot Springs Tract

Signature of Owner

Jack O. Kyle
Date December 30, 1963

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

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

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

35938

1624

State of Montana ss.
County of Gallatin

Filed Dec -31- 1963

at 1247 o'clock P. M.
Gene Wallon

COUNTY CLERK & RECORDER

By AK

Fee \$ 200. DEPUTY

File No. _____

AUG 3 1966

T 2 South & East

QUADRUPLICATE

Site _____

Butter _____

Co. _____

Section _____

District _____

County Gallatin

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level _____)
 0-5 soil
 5-8 gravel
 8-14 rock & gravel
 14-22 sand, silt & water
 22-25 sand, Little water
 25-34 sand
 34-38 sand & water
 38-51 sand gravel & water
 51' Bottom of well

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Todd and Bonnie Lingard Address Route # 1, Bozeman, Mont.Driller Harold Hulbert Address Route 1 Bozeman

Date of Notice of Appropriation of Groundwater _____

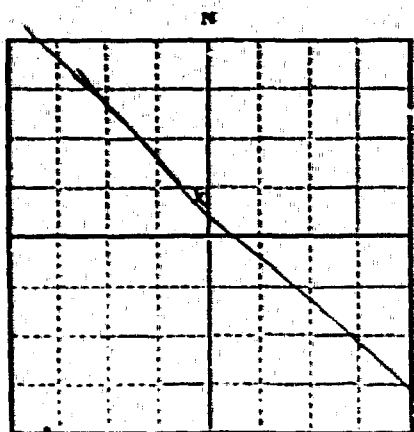
Date well started July 19, 1966 Date Completed July 30, 1966

Type of well Drilled Equipment Used Churn
 (Jug, 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	From (Feet)	To (Feet)
7"	6 5/8 O.D. 19 lb	3 above	37	None		



E.g. of the
 N.W. 1/4 Sec. 14 T. 23 R. 4E
 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 6 feet

Shut-in Pressure for Flowing Well _____

Pumping Water Level 12 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) _____

Driller's License Number _____

Harold B. Hulbert
 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.

41277

File No. _____

AUG 3 1965

T. 2 S. 28 N. R. 2 E.

QUADRUPLICATE

Belle _____

McDermott _____

County: Gallatin

Butcher _____

McNally _____

STATE OF MONTANA

Coyne _____

Lambert _____

ADMINISTRATOR OF GROUNDWATER CODE

Derivation _____

Sullivan _____

OFFICE OF STATE ENGINEER

Dickert _____

Top of Ground _____

(Elev. above sea level _____)

0-5 soil

3-5 gravel

5-8 rock & gravel

8-14 sand, silt & water

14-22 sand & clay

22-28 sand, little

water

28-34 sand

34-42 sand & water

42-48 sand & gravel

water

48-54 sand & gravel

water

54-60 sand & gravel

water

60-66 sand & gravel

water

66-72 sand & gravel

water

72-78 sand & gravel

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78-84 sand & gravel

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84-90 sand & gravel

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90-96 sand & gravel

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96-102 sand & gravel

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102-108 sand & gravel

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108-114 sand & gravel

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114-120 sand & gravel

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120-126 sand & gravel

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126-132 sand & gravel

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132-138 sand & gravel

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138-144 sand & gravel

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144-150 sand & gravel

water

150-156 sand & gravel

water

156-162 sand & gravel

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162-168 sand & gravel

water

168-174 sand & gravel

water

174-180 sand & gravel

water

180-186 sand & gravel

water

186-192 sand & gravel

water

192-198 sand & gravel

water

198-204 sand & gravel

water

204-210 sand & gravel

water

210-216 sand & gravel

water

216-222 sand & gravel

water

222-228 sand & gravel

water

228-234 sand & gravel

water

234-240 sand & gravel

water

240-246 sand & gravel

water

246-252 sand & gravel

water

252-258 sand & gravel

water

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 231, Montana Session Laws, 1961)

Owner: Todd and Bonnie Hagar Address: Route 1, Bozeman, Mont.Driller: Harold Lambert Address: Route 1, Bozeman, Mont.

Date of Notice of Appropriation of Groundwater: _____

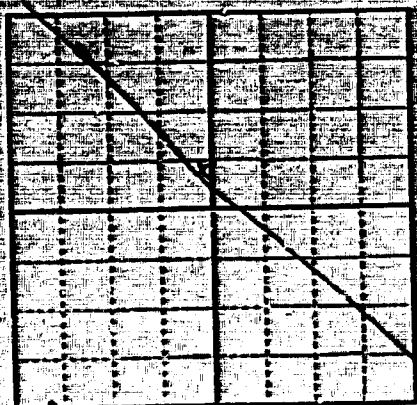
Date well started: July 10, 1965 Date Completed: _____Type of well: Drilled Equipment Used: _____

(log, driven, bored or drilled) (Chain, drill, rotary, other)

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

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

Strata Depth Feet	Strata Weight Cubic Feet	Flow (GPM)	Test Pump	Test Time Min.	Test Discharge GPM	Test Pressure PSI	Test Remarks
0-5	1/2	0.2	10	10	10	10	
5-8	1/2	0.2	10	10	10	10	
8-14	1/2	0.2	10	10	10	10	
14-22	1/2	0.2	10	10	10	10	
22-28	1/2	0.2	10	10	10	10	
28-34	1/2	0.2	10	10	10	10	
34-42	1/2	0.2	10	10	10	10	
42-48	1/2	0.2	10	10	10	10	
48-54	1/2	0.2	10	10	10	10	
54-60	1/2	0.2	10	10	10	10	
60-66	1/2	0.2	10	10	10	10	
66-72	1/2	0.2	10	10	10	10	
72-78	1/2	0.2	10	10	10	10	
78-84	1/2	0.2	10	10	10	10	
84-90	1/2	0.2	10	10	10	10	
90-96	1/2	0.2	10	10	10	10	
96-102	1/2	0.2	10	10	10	10	
102-108	1/2	0.2	10	10	10	10	
108-114	1/2	0.2	10	10	10	10	
114-120	1/2	0.2	10	10	10	10	
120-126	1/2	0.2	10	10	10	10	
126-132	1/2	0.2	10	10	10	10	
132-138	1/2	0.2	10	10	10	10	
138-144	1/2	0.2	10	10	10	10	
144-150	1/2	0.2	10	10	10	10	
150-156	1/2	0.2	10	10	10	10	
156-162	1/2	0.2	10	10	10	10	
162-168	1/2	0.2	10	10	10	10	
168-174	1/2	0.2	10	10	10	10	
174-180	1/2	0.2	10	10	10	10	
180-186	1/2	0.2	10	10	10	10	
186-192	1/2	0.2	10	10	10	10	
192-198	1/2	0.2	10	10	10	10	
198-204	1/2	0.2	10	10	10	10	
204-210	1/2	0.2	10	10	10	10	
210-216	1/2	0.2	10	10	10	10	
216-222	1/2	0.2	10	10	10	10	
222-228	1/2	0.2	10	10	10	10	
228-234	1/2	0.2	10	10	10	10	
234-240	1/2	0.2	10	10	10	10	
240-246	1/2	0.2	10	10	10	10	
246-252	1/2	0.2	10	10	10	10	
252-258	1/2	0.2	10	10	10	10	
258-264	1/2	0.2	10	10	10	10	
264-270	1/2	0.2	10	10	10	10	
270-276	1/2	0.2	10	10	10	10	
276-282	1/2	0.2	10	10	10	10	
282-288	1/2	0.2	10	10	10	10	
288-294	1/2	0.2	10	10	10	10	
294-300	1/2	0.2	10	10	10	10	



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

Show exact depth of bottom.

State Water Level for non-flowing Well _____

Shut-in Pressure for Flowing Well _____

Pumping Water Level 10 feet at 10 gal. per minute

Discharge in gal. per min. of flowing well _____

How Tested Pump Length of Test 4 days

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

Driller's License Number _____

Harold B. Lambert
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.

41277

2027

State of Montana }
County of Gallatin }

Filed Aug. 2, 1965

at Carlisle, Idaho o'clock PM

County Clerk & Recorder
By [Signature]
Deputy

Fee \$ 2.00 PL

File No. _____

RECEIVED

T 28 R 4E 14

DUPLICATE

SEP 14 1970

County Gallatin

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

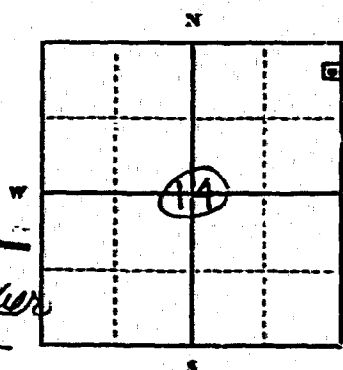
(Under Chapter 237 Montana Session Laws, 1961, as amended)

MONTANA STATE

Owner HIGHWAY DEPT. Address HELENA, MONTANADriller VAN DYKEN DRILLING CO Address BOZEMAN, MONT. 1ADate of Notice of appropriation of groundwater noneDate well started June 16/70 Date completed June 18/70Type of well Drilled Equipment used Cable tools
(Dug, driven, bored or drilled) (Cable drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐ Weight

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" O.D. 19# per foot. Tested.	0'	43'		none	



NE 1/4 Sec 14 T2S R4E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 18' feetShut-in Pressure for Flowing Well nonePumping Water Level 36 feetat 20 gal. per minute.Discharge in gal. per min. of flowing well noneHow Tested test pump.Length of Test 4 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff) Puddled clays and bentonite shutoff outside of casing from 0' to 40'

(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).

Weight Station

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

Bert Van Dyken

47492

Doc. No. 2212
Filed for record
this 11 day of September
A.D. 19 70, at 3:15
o'clock P.M.

L. V. Bortnikova

[illegible]

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The figure consists of ten vertically stacked rectangular panels, each containing a black-and-white micrograph of an embryo at different stages of development:

- Panel 1:** Shows a single cell with a prominent nucleus.
- Panel 2:** The cell has divided into two cells.
- Panel 3:** The two cells are more distinct and slightly separated.
- Panel 4:** The cells have grown larger and are beginning to form a hollow sphere (morula).
- Panel 5:** The morula stage is clearly visible as a cluster of cells.
- Panel 6:** The embryo is now a well-defined hollow sphere (blastocyst) with a central cavity.
- Panel 7:** The blastocyst is shown attached to a surface, likely the uterine wall.
- Panel 8:** The embryo is further developed, showing internal structures.
- Panel 9:** The embryo is elongated and shows clear differentiation of parts.
- Panel 10:** The final stage shows a fully formed embryo with a long tail-like structure, ready for hatching.

THE UNIVERSITY OF CHICAGO

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

11

100

State of Montana
County of Gallatin

Filed 4/5/78 1978
at 3:55 o'clock P.M.

Carl L. Stucky

By Alta M. Hanger

Fee \$ 100.00 Deputy ✓

CONFIDENTIAL

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Figure 10 consists of 12 micrographs labeled (a) through (l), arranged vertically. (a) shows a single cell with a prominent nucleus. (b) shows two cells. (c) shows four cells. (d) shows eight cells. (e) shows a morula stage with many cells. (f) shows a blastula stage with a central cavity. (g) shows a gastrula stage with three germ layers. (h) shows a neurula stage with a neural tube. (i) shows a tail bud stage. (j) shows a hatching stage with a visible tail. (k) and (l) show hatched larvae with tails.

[illegible]

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[illegible]

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1. The first step is to identify the problem. This involves understanding the symptoms and the context in which they are occurring.

[illegible][illegible]

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[illegible]

Time (min)	Control (%)	100 μ M DMSO (%)	100 μ M DMSO + 100 μ M DMSO (%)
0	0	0	0
10	15	85	85
20	30	80	80
30	45	80	80
40	60	80	80
50	70	80	80
60	75	80	80
70	80	80	80
80	82	80	80
90	83	80	80
100	84	80	80
110	85	80	80
120	85	80	80

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[illegible]

GW

File No.

DUPLICATE

LOG

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

T. 25 R. 4E

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)

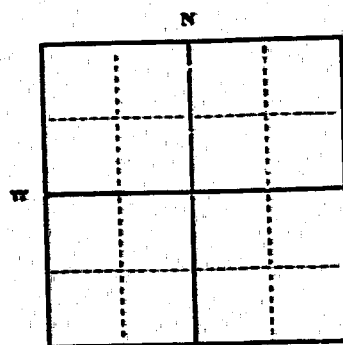
Owner W. Marshall & Laura PHIPPS Address Bozeman, Mont. Route 1, Box 28Driller Harold Hulbert Address Rt. 1 Bozeman

Date of Notice of appropriation of groundwater

Date well started May 11, 1970 Date completed May 12, 1970Type 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)
7"	19 lb 6 5/8 O.D.	I above	33 1/2	None		



In Tract 453, Rainbow Subdivision of
Bozeman Hot Springs Tract.

Sec. 14, T. 28, R. 4E
Indicate location of well and
place of use, if possible. Each
small square represents 40
acres.

Static Water Level for non-flowing well
_____ feet.

Shut-in Pressure for Flowing Well _____ feet

Pumping Water Level 14 feet

at 60 gal. per minute.

Discharge in gal. per min. of flowing well

Bailer & pump

How Tested

Length of Test 1 hr. & 4 hr. pump

Remarks: (Gravel packing, cementing, pack-
ers, type of shutoff)

Doc. No. 2284

Filed for record

this 28 day of JulyA. D. 19 70 at 9:00o'clock A.M.

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

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 A. Hulbert
Driller's Signature.

46511

#2784

State of Montana
County of Gallatin ss.
Filed May 28 19 70
at 10:00 o'clock AM.
Carl L. Stucky
County Clerk & Recorder
By Joseph G. Mayhew
Deputy
Fee \$ 2.00

WARRANTY DEED

(JOINT TENANCY)

For Value Received - WILLIAM MARSHALL PHIPPS and LAURA M. PHIPPS,
husband and wife, of Bozeman, Montana,

do hereby grant, bargain, sell, convey and confirm unto

ROBERT W. LOCKART and LEOA J. LOCKART, husband and wife, of
Bozeman, Montana,

the premises, as joint tenants (and not as tenants in common), and to the survivor of said
joint tenants, and their assigns, and to the heirs and assigns of each survivor, the
following described premises in Gallatin County, Montana, to-wit:

That portion of Tract 453 located in Rainbow Subdivision of Bozeman Hot
Springs Tract in Gallatin County, Montana, described as follows:

Commencing at the Southwest corner of said Tract 453, thence for a
distance of 285 feet North along the West boundary line of said tract to
the point of beginning, thence for a distance of 80 feet continuing along
the West line of said Tract 453, thence East for a distance of 94 feet,
thence South for a distance of 80 feet along the West boundary of Tract
453, thence West a distance of 94 feet to the place of beginning;

The above described tract is subject to an easement for roadway, together
with any other easements for utilities or rights of way as shown by the
records of the County Clerk and Recorder of Gallatin County, Montana.

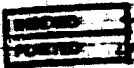
TOGETHER WITH a certain well located upon the above described premises
which supplies the domestic water to the residence located thereon.

TO HAVE AND TO HOLD the said premises, with their appurtenances unto the said Grantees, as
joint tenants with right of survivorship (and not as tenants in common) and their assigns, and to the heirs
and assigns of the surviving of said named joint tenants forever. And the said Grantees do
hereby covenant to and with the said Grantees, that they are the owners
of the above of said premises; that they are free from all incumbrances

and that they will warrant and defend the same from all lawful claims whatsoever.

Witness my hand and seal this 11th day of May, 1970.

William Marshall Phipps
Laura M Phipps



85206

STATE OF MONTANA, COUNTY OF GALLATIN

On this 11th day of May, 1970,
I, Notary Public for the State of Montana, personally
appeared WILLIAM MARSHALL PHIPPS and
LAURA M. PHIPPS, husband and wife, of
Bozeman, Montana,

known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that they executed the same for the purposes and consideration therein expressed.

STATE OF MONTANA, COUNTY OF Gallatin:

I hereby certify that the instrument was filed for record at
the request of

at 8:20 AM on the 6th day of July
1970, in my office, and duly recorded in Book 7
of Deeds of page 1130

CARL L. STUCKY

County Clerk and Recorder

Levitt A. Maywell
Deputy

76673

File No. _____

T 25 R 4E 14

DUPLICATE

County Granite

LOG

MONTANA WATER RESOURCES BOARD

STATE OF MONTANA

RECEIVED

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

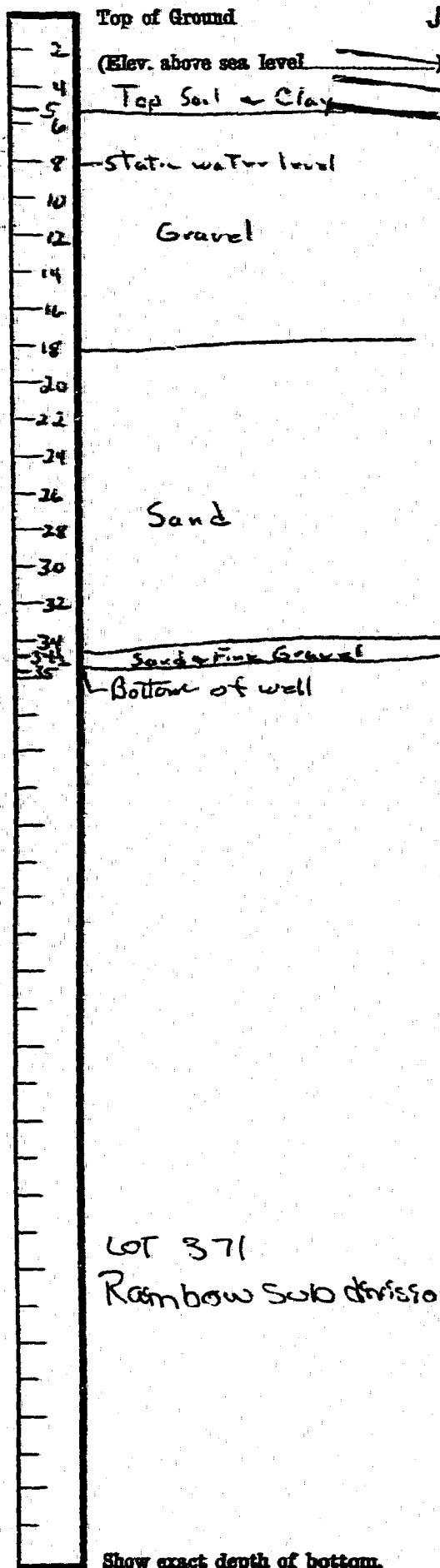
JUL 18 1968

Notice of Completion of Groundwater

Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

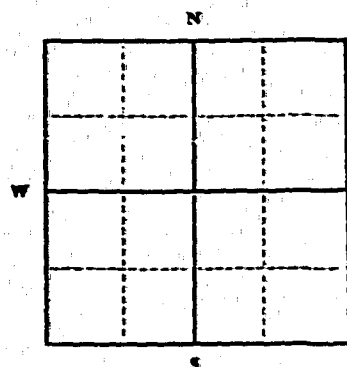
Owner Pat Remier Address Rte 1 - BozemanDriller Donald C. Jones Address 2107 Bridge St. Bozeman

Date of Notice of appropriation of groundwater _____

Date well started June 5, 1968 Date completed June 6, 1968Type 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" 20	1' above Ground	35'	—	—	—



Static Water Level for non-flowing well _____ feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 35 feetat 60 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested PumpsLength of Test 2 1/2 hrs.

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

1/4 Sec. 14 T. 25 R. 4E

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.

Driller's License Number 17Driller's Signature Donald C. Jones

44,325

THURSDAY

101 44-38861-7

RECEIVED
FEDERAL BUREAU OF INVESTIGATION
U. S. DEPARTMENT OF JUSTICE

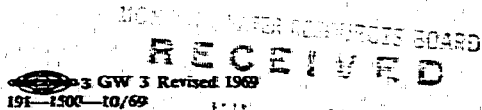
State of Montana
County of Gallatin

Filed July 16, 1968
at 4:50 o'clock P.M.

Carl L. Stucky
County Clerk & Recorder

By Betty Rose Briggs
Deputy

Fee \$ 200.00



25-45
County Gallatin 14

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 2981
June 29, 1971
4:50 PM

GW T _____

Owner Patrick J. and Sharon Reiners
Address Rt 1 Box 104 Bozeman
Contractor (if any) _____
Address of Contractor _____
Date Started _____ Date Completed _____

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) drain from Bozeman Hot Spring

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

3. Depth of water table _____

4. Use of the water irrigation

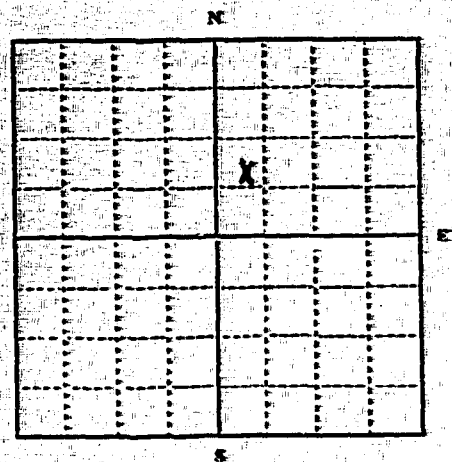
5. Amount of groundwater claimed (in miner's inches or gallons per minute) 50 inches

6. If used for irrigation, give number of acres and description of land 1 1/2 acres

Rt 371 - Rainbow Sub Division

7. Estimate amount of water used each year 20 inches

8. Months of year spring flows year around



SE 1/4 N.E. 1/4 Sec 14

T _____ N R 21 E _____

Hot 371 Rainbow Sub Div.
Bozeman Hot Spring tract

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

Signature of Owner Patrick J. Reiners

Date 6/29/71

48710

Please
fill in when
shipped and
file with County
Clerk & Recorder within
30 days.



STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

X T 2 S R 4 E 14
County Gallatin

WATER WELL LOG

Owner H. O. Salter Address 1207 E. Main
Bozeman
Driller Van Dyken Drilling Co. Address Bozeman
Date Started Nov. 28/57 Date Completed Nov. 28/57
Rainbow Tract 452
Location: Sec. 14 T 2S R 4E $\frac{1}{4}$ sec.

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: 0 ft. to 29'6" ft. Type PE. Enamel Steel Size 6 7/8" O.D. 17#
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: 14 feet.

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

Pumping water level: 3 ft. drawdown feet at 42 gal. per min.

How tested: Boiler

Length of test: 1 hr.

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

(over)

Log of Well

[illegible]

File No. _____

DUPLICATE

RECEIVED
DEC 30 1963

T 25 R 4E

County Ballatin

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)

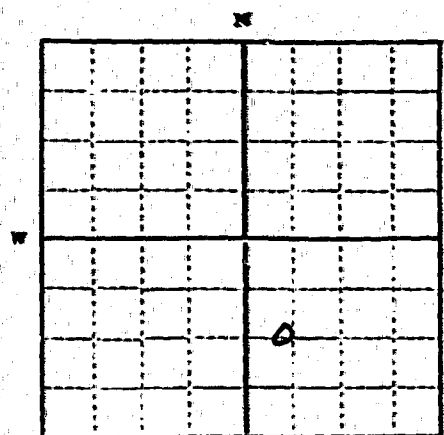
Owner E. M. + Kathleen Sullivan Address Bozeman, MT-1Driller Harold B. Hulbert Address Route 1, Bozeman

Date of Notice of Appropriation of Groundwater _____

Date well started Aug 29 - 1962 Date Completed Aug 31 - 1962Type of well drilled Equipment Used Churn
(dug, driven, bored or (Churn, drill, rotary or
drilled) other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	6 3/8" OD 14 lb	0	26			



SE 1/4 Sec 14 T25 R4E

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 6 feet feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 11 feet at 35 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, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

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

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

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

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

14646

1084

State of Montana }
County of Gallatin }

Filed Dec 27 1963

at 1:20 o'clock - M.

Carl Walton
COUNTY CLERK & RECORDER

By [Signature]
DEPUTY

Fee \$ 27.00

Form No. 18
8-60

T. 21 R. 4E
County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUN 10 1961

Water Well Log

STATE ENGINEER

Owner W. J. M. Shunk Address Box 94 Gallatin Gateway
Driller William Shunk Address Box 94 Gallatin Gateway Mont
Date Started 7/3/60 Date Completed 1/20/61
Location: Sec. 14 T. 2S R. 4E $\frac{1}{4}$ sec. SE
Tract 376 Rainbow Subdivision

Type of well Dug & driven Equipment used Shovel & Hammer
(dig, driven, or drilled) (Churn, drill, rotary, other)

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

Casing: surface ft. to 16 ft. Type Gal Size 1 1/2"

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

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

Perforated or screened: Ft. 16 to ft. 18 . Ft. _____ to ft. _____

Type of screen or perforations Sand point

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

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

Pumping water level 13 feet at 8 gal. per min.

How tested: Electric pressure pump

Length of test 1 hour

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

(over)

Log of Well

[illegible]

✓ T 2 S R 4 E

14

County FALLAUX

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

Owner Art Thompson Address Rt One Bozeman

Driller HAROLD Hulbert Address Rt One Bozeman

Date Started June 10 1961 Date Completed June 25 1961

Location: Sec 44 T 2 S R 4 E $\frac{1}{4}$ Sec NE $\frac{1}{4}$ SW $\frac{1}{4}$

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: 0 ft. to 25 ft. Type Steel Size 6 3/8" OD 15#

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: 12 feet.

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

Pumping water level 13 feet at 20 gal. per min.

How tested: BAILER

Length of test: 2 hrs

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

Log of Well

[illegible]

[illegible]

By Allen M. Hansen
Deputy
Fee \$ 200.00

...the ...

THE

1. 1. The first
 2. 2. The second
 3. 3. The third
 4. 4. The fourth
 5. 5. The fifth
 6. 6. The sixth
 7. 7. The seventh
 8. 8. The eighth
 9. 9. The ninth
 10. 10. The tenth
 11. 11. The eleventh
 12. 12. The twelfth
 13. 13. The thirteenth
 14. 14. The fourteenth
 15. 15. The fifteenth
 16. 16. The sixteenth
 17. 17. The seventeenth
 18. 18. The eighteenth
 19. 19. The nineteenth
 20. 20. The twentieth
 21. 21. The twenty-first
 22. 22. The twenty-second
 23. 23. The twenty-third
 24. 24. The twenty-fourth
 25. 25. The twenty-fifth
 26. 26. The twenty-sixth
 27. 27. The twenty-seventh
 28. 28. The twenty-eighth
 29. 29. The twenty-ninth
 30. 30. The thirtieth
 31. 31. The thirty-first
 32. 32. The thirty-second
 33. 33. The thirty-third
 34. 34. The thirty-fourth
 35. 35. The thirty-fifth
 36. 36. The thirty-sixth
 37. 37. The thirty-seventh
 38. 38. The thirty-eighth
 39. 39. The thirty-ninth
 40. 40. The fortieth
 41. 41. The forty-first
 42. 42. The forty-second
 43. 43. The forty-third
 44. 44. The forty-fourth
 45. 45. The forty-fifth
 46. 46. The forty-sixth
 47. 47. The forty-seventh
 48. 48. The forty-eighth
 49. 49. The forty-ninth
 50. 50. The fiftieth
 51. 51. The fifty-first
 52. 52. The fifty-second
 53. 53. The fifty-third
 54. 54. The fifty-fourth
 55. 55. The fifty-fifth
 56. 56. The fifty-sixth
 57. 57. The fifty-seventh
 58. 58. The fifty-eighth
 59. 59. The fifty-ninth
 60. 60. The sixtieth
 61. 61. The sixty-first
 62. 62. The sixty-second
 63. 63. The sixty-third
 64. 64. The sixty-fourth
 65. 65. The sixty-fifth
 66. 66. The sixty-sixth
 67. 67. The sixty-seventh
 68. 68. The sixty-eighth
 69. 69. The sixty-ninth
 70. 70. The seventieth
 71. 71. The seventy-first
 72. 72. The seventy-second
 73. 73. The seventy-third
 74. 74. The seventy-fourth
 75. 75. The seventy-fifth
 76. 76. The seventy-sixth
 77. 77. The seventy-seventh
 78. 78. The seventy-eighth
 79. 79. The seventy-ninth
 80. 80. The eightieth
 81. 81. The eighty-first
 82. 82. The eighty-second
 83. 83. The eighty-third
 84. 84. The eighty-fourth
 85. 85. The eighty-fifth
 86. 86. The eighty-sixth
 87. 87. The eighty-seventh
 88. 88. The eighty-eighth
 89. 89. The eighty-ninth
 90. 90. The ninetieth
 91. 91. The ninety-first
 92. 92. The ninety-second
 93. 93. The ninety-third
 94. 94. The ninety-fourth
 95. 95. The ninety-fifth
 96. 96. The ninety-sixth
 97. 97. The ninety-seventh
 98. 98. The ninety-eighth
 99. 99. The ninety-ninth
 100. 100. The hundredth

File No.

NOV 22 1965

T 2 S R 4 E 15

~~Duplicate~~
~~QUADRUPPLICATE~~

Billie

McDermott

Burt

McNulty

Co

Morton

Darlington

Sullivan

Dickert

County GallatinSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERTop of Ground
(Elev. above sea level _____)Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0'--3' Top soils.

3'--17' Gravels and clays.

17'--37' Gravels and hardpans.

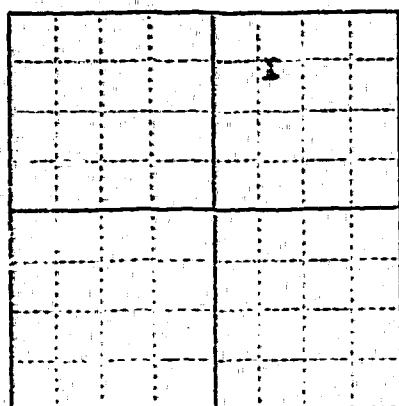
37'--53' Coarse gravels,
20 G.P.M.53'--58' Coarse gravels,
30 G.P.M.

T.D. 58'

Owner Buel Reed & Agnes E. Reed Address Bozeman, Mont.Driller Van Dyken Drilling Co. Address Bozeman, Mont.Date of Notice of Appropriation of Groundwater NONEDate well started Sept. 21/65 Date Completed Sept. 24, 65Type of well Drilled Equipment Used Cable tools.
(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)
6"	6 5/8" O.D. 1800# test Prime steel	0'	56'		NONE	



1/4 Sec 2 T 2 R 4
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 22' feet.Shut-in Pressure for Flowing Well NONEPumping Water Level 36' feet at 20 gal. per minute.Discharge in gal. per min. of flowing well NONEHow Tested Bailer Length of Test 1 Hr.

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

LICENSE NO 1

Driller's License Number

Driller's Signature

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

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

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

3 9859