

GW

File No. ....

DUPLICATE

T 47N R 26E 20  
County: Yellowstone

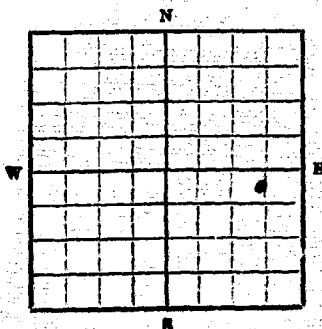
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DEC 30 1963

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. Edward J. Conrly, of Shepherd  
(Name of Appropriator) (Address) (Town)  
County of Yellowstone State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$  Sec 20, T4N R26E  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based  
House and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
Aug. 1963

4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
6 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  
no irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
Aug. 1963

8. The depth of water table  
100 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
Drilled well 6 in hole - 120 ft

10. The estimated amount of groundwater withdrawn each year  
30,000 gal per yr.

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  
no records

Signature of Owner Edward J. Conrly  
Date Dec. 27, 1963

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

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

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

16076

721008

STATE OF MONTANA,  
County of Yellowstone,

This instrument was filed in my office

this DEC 27 1933

at 12:12 o'clock P M.

Edmon S. Hedding,  
County Clerk & Recorder

By [Signature] Deputy

200

GW-1

File No. ....

DUPLICATE

T. 4 N. R. 26 E. 20

County Yellowstone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

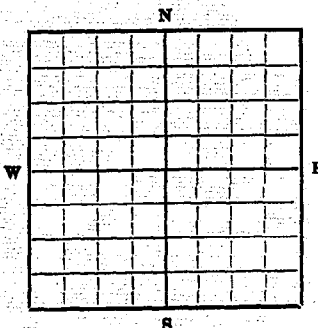
RECEIVED  
DEC 30 1963

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Edward J. Conly of Shepherd  
(Name of Appropriator) (Address) (Town)  
County of Yellowstone State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$  Sec. 20, T. 4 N. R. 26 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  
for stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
Nov. 1952 Used at  
least ten months of yr.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) About 4 gal. a 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  
No irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Gasoline engine

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

8. The depth of water table 8.0 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

Drilled well - 6 in. hole - 120 ft. deep

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

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

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

no records

Signature of Owner

Edward J. Conly

Date Dec. 27, 1963

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

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

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

16079

721011

STATE OF ILLINOIS  
County of Cook  
FILED  
DEC 27 1963  
12:18 P.M.  
By *[Signature]*  
Clerk of Court

2.00

GW-

File No. ....

DUPLICATE

T4N R26E 20

County Yellowstone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

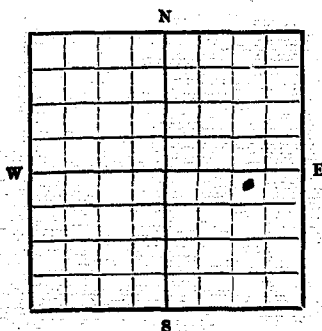
RECEIVED  
DEC 30 1963

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Edward J. Conly, of Shepherd  
(Name of Appropriator) (Address) (Town)  
County of Yellowstone State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$  Sec 20 T4N R26E

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

2. The beneficial use on which the claim is based House and stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 1913
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 gal a 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 no irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Gasoline engine

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 1913
8. The depth of water table 80 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well 6 in. hole - 100 ft.
10. The estimated amount of groundwater withdrawn each year 100,000 gal
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 no records

Signature of Owner Edward J. Conly

Date Dec 27, 1963

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

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

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

16077

721009

STATE OF MONTANA,  
County of Yellowstone

This instrument was recorded in my office

this DEC 27 1963

at 12:14 P M

Edmond H. H. [Signature]

County Clerk

[Signature] Deputy

-200

Additional copies of this instrument may be obtained from the County Clerk's Office at a fee of \$1.00 per copy.

This instrument is a true and correct copy of the original as the same appears in the records of the County Clerk's Office.



934274

STATE OF MONTANA, }  
County of Yellowstone, } ss.  
This instrument was filed in my office  
on May 16 1900 at 2:11 P. M.  
WILLIAM E. SALMOND  
County Clerk & Recorder  
By Law Deputy

22



52,459

927463

STATE OF MONTANA }  
County of ... }  
This instrument was filed in my office  
on FEB 28 1978 19  
at 9:00 AM  
by J. E. HUNNET Deputy  
20

GW 2

File No. ....

WELL NO. 1

DUPLICATE

T. 44 R. 26 E

County. Yellowstone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED

APR 10 1963

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

From 0 Ft. to 1 Ft. Top Soil

" 1 Ft. to 18 Ft. Brown Sandy Shale

" 18 Ft. to 39 Ft. Gray Shale

@ 39 Ft. to 41 Ft. Sand

From 41 Ft. to 93 Ft. Gray Shale

@ 93 Ft. to 112 Ft. Sand Rock

" 112 Ft. to 147 Ft. Dark Shale

" 147 to 240 Ft. Gray Shale

" 240 to 270 Ft. Gray Sand Rock

" 270 Ft. to 285 Ft. Dark Shale

" 285 Ft. to 290 Ft. Sand Rock

" 290 Ft. Shale

Owner Donald H. Roberts Address Sheridan, Wyo.

Driller Leroy E. Johnson Address 1145 Lynn Ave.

Billings, Montana

Date of Notice of Appropriation of Groundwater 4/12/62

Well started Nov. 2, 1961 Date Completed Nov. 9, 1961

Type of well Drilled Equipment Used Cable tools

(dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water at 93 Ft., and 285 Ft.

Water Level

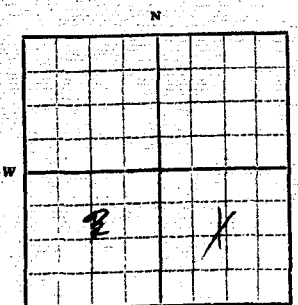
130 Ft. from

Water supply 8 gals. per min.

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)
6-3/4"	41 Ft. 6"	0	40 Ft.			
5"	19 lbs. per Ft.					
	306 Ft. sheet metal 20 Ga. 0		290	5" factory perf.	36 Ft.	at 285 and 93



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

Show exact depth of bottom.  
290

Static Water Level for non-flowing Well 130 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 280 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Boiler 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

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 School of Mines and Quadruplicate for the Appropriator.

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STATE OF MONTANA } ss.  
County of Yellowstone }

This instrument was filed in my office

this 18th day of APR 18 1963  
at 10:20 A.M.

CHIEF CLERK

72-24-10-10  
4-2-63

GW

File No. ....

DUPLICATE

T4 N R 26 E 12

County Yellowstone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

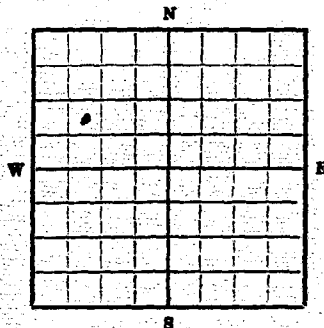
RECEIVED  
DEC 30 1963

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Edward J. Conly, of Shepherd  
(Name of Appropriator) (Address) (Town)  
County of Yellowstone State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$  Sec 28 T4N R 26E

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 to water stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov. 1951  
Used about four months of the year for stock water.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) About 3 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 No irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal gasoline engine
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov. 1951
8. The depth of water table 20 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
Drilled well - 6 in hole - 104 ft. deep
10. The estimated amount of groundwater withdrawn each year About 50,000 gal.
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  
No records

Signature of Owner

Edward J. Conly

Date Dec. 27, 1963

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

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

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

16078

721010

STATE OF MONTANA,  
County of Yellowstone.

This instrument was filed in my office

DEC 27, 1963

at 12:16 P. M.

Notary Public,  
County of Yellowstone

By *SMK* Deputy

200

File No. ....

DUPLICATE

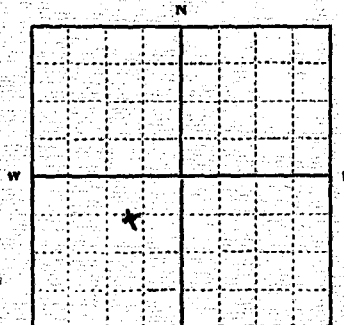
T 4 N R 26 E  
County YellowstoneSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
DEC 30 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Herron Brothers of Box 625 Billings  
 (Name of Appropriator) (Address) (Town)  
 County of Yellowstone State of Mont.  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 29, T. 4N, R. 26E

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

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

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 gal

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950

8. The depth of water table 200

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 unknown

10. The estimated amount of groundwater withdrawn each year unknown

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

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

Signature of Owner Joe Herron  
 Date Dec. 30, 1963

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

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

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

16316

721355

STATE OF MONTANA  
County of Yellowstone  
This instrument was filed in my office  
this DEC 30 1968 at 4:32 P.M.  
Filed 711.24  
County Clerk & Recorder Deputy



**DUPLICATE**

T. 44N R. 26E  
County YELLOWSTONE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

NTANA WATER RESOURCES  
RECEIVED  
1969

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

7L BAR RANCH CO.  
Owner Box "William" Address Billings Mont

Owner W. A. ...  
Driller ROY D. PIERCE Address BILLINGS-MONT.

Date of Notice of Appropriation of Groundwater.

Date well started 6/8/69 Date Completed 6/7/69

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

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

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc.

Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

[illegible]

Static Water Level for non-flowing Well..... 75' 3.00 m. feet.  
SURFACE

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

Pumping Water Level 110' feet at 2 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, 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 What, 170

Driller's Signature R. D. Pierce

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.

45, 346

843360

RECEIVED  
JUN 20 1968  
COMMUNICATIONS SECTION  
U.S. AIR FORCE

STATE OF

GOVERNMENT

DEPARTMENT OF

DEFENSE

OFFICE OF

SECURITY

ATTENTION

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SUBJECT

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County YELLOWSTONE

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 7L BAR RANCH CO.

Address BOX 739

BILLINGS, MONTANA

Date well started 6/3/69

completed 6/7/69

Type of well **DRILLED**

Equipment used CHURN

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

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

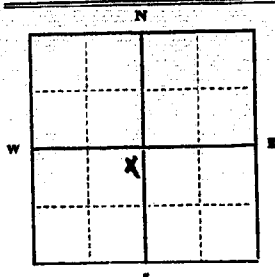
**\*Describe**

**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 600,000 GALLONS

Size of Drilled Hole	Size and Weight of Casting	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	6 5/8"	0	115	SLOT	60 86	80 115



1/4 SW 1/4 Sec. 29  
T. 4 N. R. 26 E.

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

Driller's Signature .....

Driller's Address .....

LICENSE NO.....

**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)

[illegible]

115' Show exact depth of bottom

55 364

338419

STATE OF MONTANA  
County of Yellowstone ss.  
This instrument was filed in my office  
this JUN 29 1973 day of JUN 1973  
at 1:45 o'clock P M.  
MERRILL H. KLUNDT  
County Recorder  
By CB B Deputy  
7210

GW -

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. ....

DUPLICATE

T. 4 N. R. 26 E.

County Yellowstone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

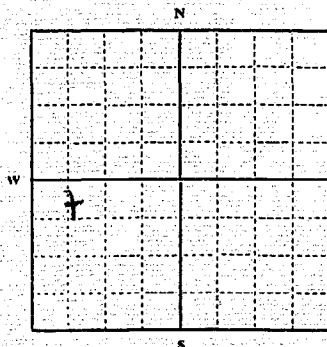
RECEIVED  
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Harmon Knott (Name of Appropriator) of B. 25 (Address) Bozeman (Town)  
County of Yellowstone State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N. 4 N. R. 26 E. T. 4 N. R. 26 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 livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1944

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1944

8. The depth of water table 90 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 unknown

10. The estimated amount of groundwater withdrawn each year unknown

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

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

Signature of Owner Louie Knott

Date Dec. 30, 1963

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

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

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

16320

721359

STATE OF MONTANA,  
County of Yellowstone.

This instrument was filed in my office

this DEC 30 1963 19

at 4:36 o'clock P. M.

J. B. Redding,  
County Clerk & Recorder

By MAK Deputy

2.00

GW.

Approved Stock Form—State Publishing Co., Helena, Montana—427

File No. ....

DUPLICATE

4N 26E  
T. B.  
County Yellowstone

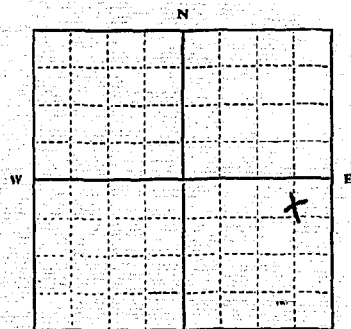
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Herron Bros., of Box 625 Billings  
(Name of Appropriator) (Address) (Town)  
County of Yellowstone State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SE Sec. 30 T. 4N R. 26E

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

2. The beneficial use on which the claim is based livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1944
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1.0 gal
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1944
8. The depth of water table 90 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 unknown
10. The estimated amount of groundwater withdrawn each year unknown
11. The log of formations encountered in the drilling of each well if available unknown
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record unknown

Signature of Owner Louise Herron  
Date Dec. 9. 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.

16319

721358

STATE OF MONTANA  
County of Yellowstone

This instrument was filed in my office  
this DEC 30 1968 19  
at 4:35 o'clock P M.

Edmon S. Redding  
County Clerk & Recorder

By [Signature] Deputy

20



County YELLOWSTONE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CONSERVATION  
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 **7L BAR RANCH CO**

Address **Box 739**

**BILLINGS, MONTANA**

Date well started 2000-01-01

completed FEB 14, 1964

For Administrator's Use

File 938034

June 28, 1973

GW 1 1:35 P.M.

Type of well

(Dig, driven, bored or drilled)

### Equipment used

(Chain drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

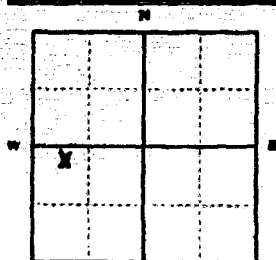
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

**\*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 800,000 GALLONS

Size of Pierced Hole	Size and Weight of Casing	Open Feet	To Close	PERFORATIONS		
				Size and Weight	Open Feet	To Close
8"	6"	0	90	100#	50'	30'



Static water level ..... 40 ft.  
Pumping water level ..... 20 ft.  
at ..... gallons per minute,  
measured ..... minutes after pumping  
began.

\*Measured from ground level.

Well developed by  
for \_\_\_\_\_ hos

Power	Pump	HP
-------	------	----

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

SW Soc 30  
T. 44 N 30 E

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

**Driller's Signature**

Driller's Address

**LICENSE NO.**

### 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)

[illegible]

90 Show exact depth of bottom

5435

928034

STATE OF MICHIGAN  
JAN 20 1973

1.35

CIBR

1200

21700001700



939235

500335

STATE OF MONTANA }  
County of Yellowstone }

This instrument was filed in my office

On JUN 24, 1973 19

at 1:36 o'clock P.M.

MERRILL H. KLEINERT  
County Clerk & Recorder

By C.B.B. Deputy

7200

File No.

T. 4N R. 26E

DUPLICATE

County Yellowstone

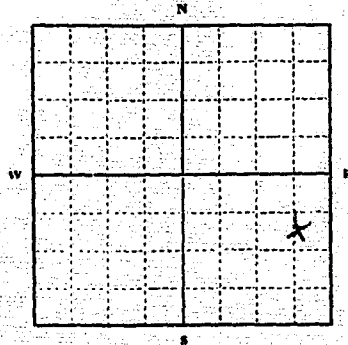
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963  
STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Norman Bass of Box 625 Billings  
(Name of Appropriator) (Address) (Town)  
County of Yellowstone State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.E. 1/4 Sec. 30 T. 4N R. 26E

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1944

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1944

8. The depth of water table 40 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 unknown

10. The estimated amount of groundwater withdrawn each year unknown

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

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

Signature of Owner Norm Bass

Date Dec. 30 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator. 16330

721369

STATE OF MONTANA, *IDA*  
County of Yellowstone,  
This instrument was filed in my office  
this DEC 30 1963 19  
at 4:46 o'clock P. M.  
Edmond S. Redding,  
County Clerk & Recorder  
*JLS* Deputy

File No. ....

T. 4. N. R. 4. 6. E.

TRIPLICATE

County Yellowstone

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

**Notice of Completion of Groundwater Appropriation  
Without Well**

RECEIVED

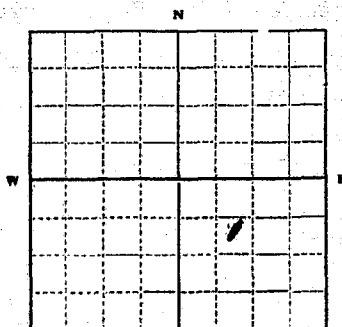
(Under Chapter 237 Montana Session Laws, 1961)

MONTANA DEPARTMENT OF AGRICULTURE  
RESOURCES AND CONSERVATION

938085

June 28, 1973

2:26 P.M.



Sec. 1/4 ..... Sec. 31 T. 4 N. R. 26 E.  
Indicate point of appropriation  
and place of use, if possible.

Date of Appropriation of Groundwater. Before Feb. 14, 1964Owner Th. Bar Ranch Address Billings

Contractor (if any) .....

Address of Contractor .....

Date Started. .... Date Completed. Before 2-14-64

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

Enlarge Natural Opening  
and Install Pump

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. 30'

For livestock water  
continuously

Signature of Owner Richard W. D. DwyerDate June 27, 1973

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

54330

938085

STATE OF MONTANA,  
County of Yellowstone.  
This day of June 1973

1-26 P

CBB  
City



## GROUNDWATER INDEX

Page 1 of 1

County Yellowstone Twp. 4 N Rge. 27 E

[illegible]

File No. ....

T. 4 N. R. 27 E.

DUPLICATE

County. Yellowstone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEER

RECEIVED  
SEP 13 1963  
STATE ENGINEER

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground  
(Elev. above sea level.....)

9' Top Soil

22' Rock

58' Sandstone

130' Blue shale

134' Coal

210' Blue shale

216' Hard rock

314' Blue shale

357' Sandstone (water bearing)

360' Blue shale

END OF HOLE

Owner. Donald H. Roberts Address. Sheridan, Wyo.

Driller. C. T. Reid Address. Sheridan, Wyo.

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

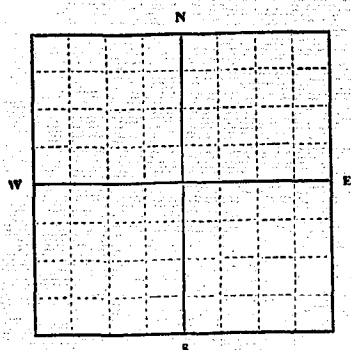
Date well started. 8/1/63 Date Completed. 8/10/63

Type of well. Drilled Equipment Used. Rotary  
(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"	4" 10.87# per ft.	plus 2	-362	slits 1/4"x 18"	235	360



NW 1/4 Sec. 1. T4 N R27 E

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

Show exact depth of bottom.  
360

Static Water Level for non-flowing Well. 140 feet.

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

Pumping Water Level. 225 feet at 4 gal. per minute.

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

How Tested. Baler Length of Test. 4 hours

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 90

Driller's Signature C. T. Reid

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; Triuplicate to the Montana Bureau of Mines and Geology and Quaduplicate for the Appropriator.

5812

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714289

STATE OF MONTANA,  
County of Yellowstone.

This instrument was filed in my office  
this SEP 12 1968

at 8:30 o'clock A.M.

Edmon S. Redding,  
County Clerk & Recorder

*MR* Deputy

File No. ....

T. 4 N. R. 27 E.

DUPLICATE

County YellowstoneSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEER**Notice of Completion of Groundwater  
Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

Owner Donald H. Roberts Address Sheridan, Wyo.Driller C. T. Reid Address Sheridan, Wyo.

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

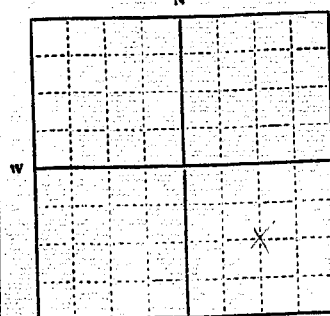
Date well started 8/15/67 Date Completed 8/14/68Type of well Drilled Equipment Used Rotary  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Stock ☒

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.

	Top of Ground (Elev. above sea level.....)
5'	Top Soil
35'	Clay
52'	Sandstone
127'	Blue shale
144'	Rock
185'	Blue shale
192'	Rock
233'	Blue shale
244'	Rock
257'	Sandstone
261'	Blue shale

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4" 10.87# per Ft.	plus 2	263	slits 1/4" x 18"	136	261

## END OF HOLE



SE 1/4 Sec. 4 T. 4N R. 27E

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

Show exact depth of bottom.  
261Static Water Level for non-flowing Well 121 feet.

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

Pumping Water Level 238 feet at 4 gal. per minute.

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

How Tested Ball Length of Test 4 hours

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 90Driller's Signature C. T. Reid

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.

714290

STATE OF MONTANA  
County of Yellowstone  
This instrument was filed in my office  
this SEP 12 1908 19  
at 8:37 o'clock A. M.  
Edwin S. Redding  
County Clerk & Recorder  
By SMR Deputy

File No. ....

T. Y. N. R. 272

DUPLICATE WELL NO. 5

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

APR 15 1963

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

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

From 0 Ft. to 1 Ft. Top Soil

" 1 Ft. to 25 Ft. Yellow clay

" 25 Ft. to 44 Ft. Brown Sand Stone

" 44 Ft. to 56 Ft. Gray Sand Rock

" 56 Ft. to 72 Ft. Dark Brown Shale

" 72 Ft. to 76 Ft. Dark Brown Shale

" 76 Ft. to 92 Ft. Gray Shale

" 92 Ft. to 105 Ft. Brown Shale

" 105 Ft. to 136 Ft. Gray Sand rock

" 136 Ft. to 140 Ft. Gray Shale

Water 5 gals. per min.

Water level 30 Ft.

from grade

Water at 120 Ft.

Driller *Donald H. Roberts* Address *Sheridan, Wyo.*Driller *Leroy E. Johnson* Address *1145 Lynn Ave.**Billings, Montana*

Date of Notice of Appropriation of Groundwater

Date well started *1/11/61* Date Completed *1/14/61*

Type of well

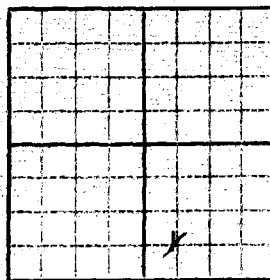
(dug, driven, bored or  
drilled)

Equipment Used

(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	From (Feet)	To (Feet)
6-3/4"	8" surface pipe	0	26 Ft.	Factory perf.	117	140
	19 lbs. per ft. 6" sheet metal 20 gauge	0	147 Ft.			

*SW 1/4 Sec. 9 T. Y. N. R. 272*

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

Show exact depth of bottom.  
140 ft.Static Water Level for non-flowing Well *30 Ft. from grade.*

Shut-in Pressure for Flowing Well

Pumping Water Level *120* feet at *5* gal. per minute.

Discharge in gal. per min. of flowing well

How Tested *Boiler* 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

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 School of Mines and Quadruplicate for the Appropriator.

705038

STATE OF MONTANA } ss.  
County of Yellowstone

This instrument was filed in my office

this 8th day of APR 18 1908  
at 8:03 o'clock A. M.

CHRIS RUBICH, County Record

*Jaw*  
20. Deputy

71160

STATE OF MONTANA,  
County of Yellowstone.

This instrument was filed in my office  
this 22 day of JUL 31 1968

at 8:22 o'clock PM

Edmon S. Redding,  
County Clerk & Recorder

By [Signature] Deputy



File No. ....

DUPLICATE WELL NO. 2

T. 4 N. R. 27 E

County YellowstoneSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEERRECEIVED  
AUG 1 1963  
STATE ENGINEERNotice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.)  
From 0 Ft. to 1 Ft. Top Soil

" 1 ft. to 10 Ft. Brown Sandy Shale

" 10 Ft. to 47 Ft. Gray Shale

" 47 Ft. to 63 Ft. Blue Shale

" 63 Ft. to 87 Ft. Sandy Shale

" 87 Ft. to 132 Ft. Dark Shale

" 132 Ft. to 145 Ft. Blue Shale

" 145 Ft. to 165 Ft. Sand Rock

Donald H. Roberts Address Sheridan, Wyo.

Driller Leroy E. Johnson Address 1145 Lynn Ave.

Billings, Montana

Date of Notice of Appropriation of Groundwater 4/12/62

Water at 140 Ft.

Date well started Nov. 9, 1961 Date Completed Nov. 14, 1961

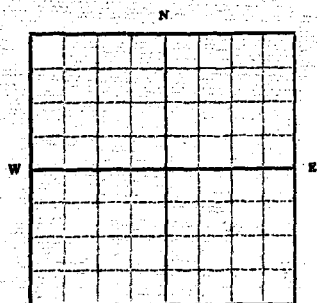
Water supply 4 Gal. per min.

Water level 40 ft. from grade

Type of well Drilled  
(dug, driven, bored or drilled)Equipment Used Cable tools  
(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)
6-3/4"	8" surface	0	11 Ft.	Factory perf.	140	165
	pipe					
	19 Lbs. per Ft.					
	6" sheet metal	0	165 Ft.			
	20 gauge					



SK 1/4 Sec 14 T. 4 N. R. 27 E

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

Show exact depth of bottom.

165 feet

Static Water Level for non-flowing Well 40 ft. from grade feet.

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

Pumping Water Level 145 feet at 4 gal. per minute.

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

How Tested Boiler 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) .....

Montana Driller # 4

Driller's License Number

Leroy E. Johnson  
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 School of Mines and Quadruplicate for the Appropriator.

5224

File No. Well No. 1 1963  
 DUPLICATE

T 4 N R 27 ECounty Yellowstone

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER  
 AUG 1 1963

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

## Top of Ground

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

From 1 ft. to 2 ft. - Soil Top

" 2 ft. to 7 ft. - yellow sand rock

" 7 ft. to 23 ft. - yellow clay

" 23 ft. to 27 ft. - hard rock

" 27 ft. to 45 ft. - blue shale

" 45 ft. to 68 ft. - bentonite

" 68 ft. to 82 ft. - fine gray sand rock

" 82 ft. to 120 ft. - dark shale

" 120 ft. to 132 ft. - coarse gray sand rock

" 132 ft. to 142 ft. - blue shale

" 142 ft. to 165 ft. - bentonite

Water level 50 feet from  
 grade.

Water supply 4 gals. per  
 minute.

Hit water at 135 feet.

Owner Donald H. Roberts Address Sheridan, Wyo.Driller Leroy E. Johnson Address 1145 Lynn Ave.City Billings, MontanaDate of Notice of Appropriation of Groundwater 1-21-63Date well started 3-25-63Date Completed 4-2-63Type of well Drilled

(dug, driven, bored or drilled)

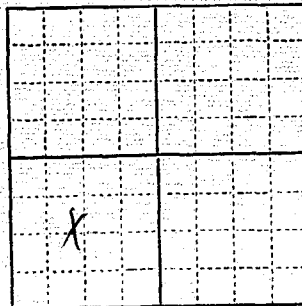
Equipment Used Cable tools

(Churn, drill, rotary or other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 3/4"	174 Ft. 6" sheet metal	+1'	-165'	fully	144	155
	6 ft. 8" casing pipe	+1'	-5'8"	none		



SW 1/4 Sec. 25 T.4N. R.27 E.

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 50' feet.

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

Pumping Water Level 135 feet at 4 gal. per minute.

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

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

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

Driller's License Number #4

Leroy E. Johnson  
 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.

5223

711599

STATE OF MONTANA,  
County of Yellowstone,

This instrument was filed in my office  
this 8<sup>th</sup> day of JULY, 1968  
at 8:20 o'clock A. M.

Edmon S. Redding,  
County Clerk & Recorder  
By [Signature] Deputy

200

File No. ....

T 4 N R 27 E

DUPLICATE

County Yellowstone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

APR 10 1963

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0 Ft to 16 Ft- Sand

16 Ft to 30 Ft -Brown sandy shale

30 Ft to 52 Ft- Blue shale

52 Ft to 56 Ft- Hard rock

56 Ft to 70 Ft- Fine blue shale

70 Ft to 90 Ft- Greysand rock

90 Ft to 148 Ft- Bentonite

148 Ft to 195 Ft- Dark shale

195 Ft to 212 Ft- Sand rock

212 Ft to 215 Ft- Dark shale

Water @ 90 Ft 2 Gal. per min.

Water @ 212 Ft 3 Gal. per min.

Water level 28  
feet from grade

Owner Donald H. Roberts Address Rte. #2, Sheridan, Wyo.Driller Leroy E. Johnson Address 1145 Lynn Ave.  
Billings, Montana

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

Date well started Nov. 28, 1962 Date Completed Dec. 4, 1962

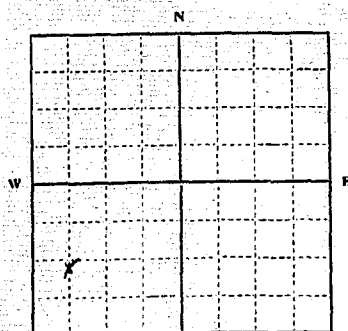
Type of well Drilled  
(dug, driven, bored or  
drilled)

Equipment Used Cable Tools  
(Churn, drill, rotary or  
other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6-3/4	8" 26 Lbs. surface pipe	18" above grade	18			
	228 Ft. sheet metal	1 Ft above grade	215	6" sheet metal	at 90' & 212'	
				Factory Pref.		



SW 1/4 Sec. 29 T4N R 27E

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

Show exact depth of bottom.  
215 Ft.

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

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

Pumping Water Level 200 feet at 5 gal. per minute.

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

How Tested Boiler 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 4Driller's Signature Leroy E. Johnson

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.

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STATE OF MONTANA } ss.  
County of Yellowstone }

This instrument was filed in my office

this 18 of APR 18 1963

at 8:00 7 M.

By Law County Recorder

20 Deputy

## GROUNDWATER INDEX

Page 1 of 1

County Yellowstone Twp. 4N Rge. 28E

[illegible]

File No. ....

ORIGINAL

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

T. 4N...R. 2E...

County, YELLOWSTONE

R

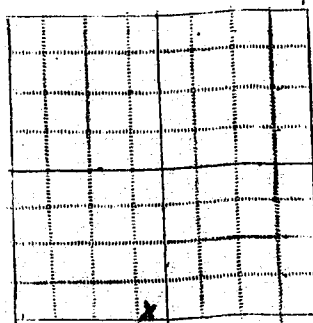
JAN 2 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Ray E. Kinghorn, of Shepherd (Name of Appropriator) (Address) (Town)

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



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

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

AUG 31, 1954, 7000 ac. yr.

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

5 gals 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

AUTOMATIC PROPELLE PUMP

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

AUG. 25, 1959 - AUG 31, 1954

8. The depth of water table

100 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

Based Sheet Metal and Perforated - 6"

10. The estimated amount of groundwater withdrawn each year

150,000 gal

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

Not Available

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

Signature of Owner

Date

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

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

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

18568

721837

STATE OF MONTANA,  
County of Yellowstone, ss. *h*

This instrument was filed in my office

this DEC 31 1963 day of 19

at 5:22 o'clock P M.

Edmond S. Reading,  
County Clerk & Recorder

By *[Signature]* 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

(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 JOHN BROWN  
Address WORDEN  
MONTANA  
Date well started 4-9-72  
completed 4-13-72

For Administrator's Use  
File 917878  
Oct 5, 1972 10:40am  
GW 1

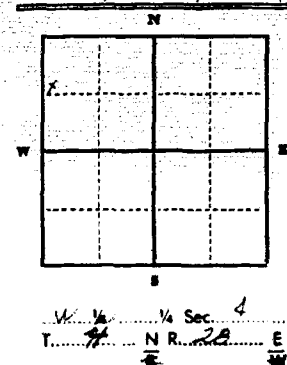
Type of well Drilled  
(Aug. driven, bored or drilled)  
Equipment used cable  
(Crane drill, rotary or other)

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
8"	8"	0	3 1/2	Kind Size From (Feet) To (Feet)
8"	open hole	3 1/2	40	1/4" x 4" 25 40



Static water level 27 ft.\*  
Pumping water level 20 ft.\*  
at 20 gallons per minute,  
measured 20 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by barrel  
for 3 hours.  
Power            Pump            HP  
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 [Signature]  
Driller's Address 1552 Dickie St., Helena  
Mont. 59101  
LICENSE NO. 2

County Yellowstone

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	30	soil
30	35	sandstone
35	40	gray sandstone

40 Show exact depth of bottom

917878

STATE OF MONTANA. } ss.  
County of Yellowstone. }  
This instrument was filed in my office  
this OCT 5 day of 1972 19\_\_  
at 10:40 o'clock A M.  
MERRILL H. KLUNDT  
County Clerk & Recorder  
By [Signature] Deputy

File No. ....

DUPLICATE

T. 4 N R. 28 E

County Yell

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 Sydney Cattle Co. Address Shelby, Wyo.Driller L. D. Drilling Address 516 SOUTH MAIN ST. ELKTON, WYO.

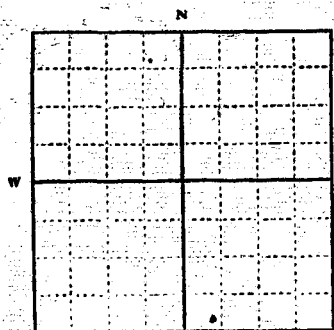
Date of Notice of Appropriation of Groundwater .....

Date well started 6/19/70 Date Completed 6/29/70Type of well DRILLED Equipment Used CORKE  
(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)
9"	6" PK	0	90	DRILLED 4	50	89

0 Top of Ground  
1 Elev. above sea level.....  
25 SANDY CLAY  
34 ROCK  
48 GREY CLAY  
53 DARK CLAY WATER RISES 1 1/2 GAL PER MIN.  
60 GREY CLAY  
70 DARK CLAY GREY  
79 DARK CLAY  
89 GREY SAND WATER  
90 GREY CLAY



SE 1/4 Sec. 5 T. 4 N R. 28 E  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 42 feet.

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

Pumping Water Level 20 feet at 10 gal. per minute.

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

How Tested BAUER 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)

GRAVEL PACKED

Doc. No. 874702  
Filed for record  
this 12 day of January  
A. D. 19 70  
at Elkton

Mont. 158  
Driller's License Number  
Roy R. Singer  
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.

47999

874702

JAN 13 1971

STATE OF MONTANA }  
County of Yellowstone }  
This instrument was filed in my office  
this JAN 12 1971 at 11:30 A.M.  
By MERRILL KLUNDIE Deputy  
County Clerk & Recorder

20

File No. ....

RECEIVED

T. 4N R. 28E

DUPLICATE

JAN 10 1972

County Yellowstone

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
RESOURCES AND CONSERVATION OFFICE OF STATE ENGINEER

Top of Ground

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

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

(Under Chapter 237, Montana Session Laws, 1961)

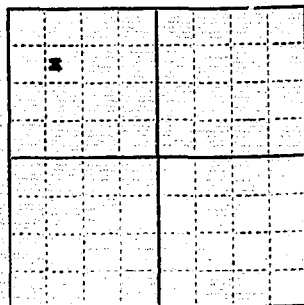
Owner Serena Louise Pfister Address P.O. Box 1282  
Billings, Mont.Driller Unknown Address .....

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

Date well started About 1958 Date Completed Same timeType of well Believe it drilled Equipment Used Drill  
(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)
This well in a fairly recent section trade, so do not know any particulars.						



NE 1/4 Sec 6 T. 28N R. 28E

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 Unknown feet.Shut-in Pressure for Flowing Well UnknownPumping Water Level Unknown feet at ..... gal. per minute.Discharge in gal. per min. of flowing well Two and oneHow Tested ..... Length of Test Half  
container End of day

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

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.

49,693

898400

RECEIVED

STATE OF ARIZONA  
County of Pima  
The undersigned is my office  
at 2:33 JAN 7 1972 M.  
JAMES L. L. DAVIS  
Deputy

RECEIVED  
JAN 7 1972  
FBI  
Tucson

RECEIVED  
JAN 7 1972  
FBI  
Tucson

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JAN 7 1972  
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Tucson

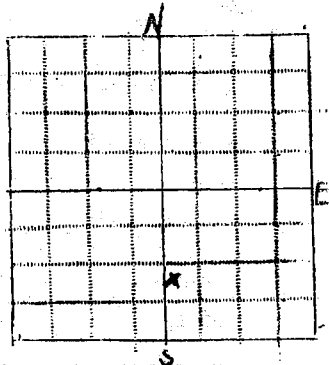
612

County. H. W. S. T. C. N. E.

RECEIVED  
JAN 2 1964

STATE ENGINEER

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



- - - 1 - Sec. 12 T. 4 N. R. 25 E  
Indicate point of appropriation  
and place of use, if possible.  
Each small square represents  
10 acres.

2. The beneficial use on which the claim is based  
- Stock -
3. Date or approximate date of earliest beneficial  
use; and how continuous the use has been  
- July 27, 1958 - 7 months a year
4. The amount of groundwater claimed (in miner's  
inches or gallons per minute - 5 gals.
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 - at mouth of well

7. The date of commencement and completion of the construction of the well, wells,  
or other works for withdrawal of groundwater- June 26, 1958 - July 2, 1958
8. The depth of water table- 115 ft.
9. So far as it may be available, the type, size and depth of each well or the gen-  
eral specifications of any other works for the withdrawal of groundwater-  
12" 84 ft. steel pipe, 6" 1-D, 20 gauge casing  
126' steel pipe, 6" 1-D, 20 gauge casing  
271' perforated casing
10. The estimated amount of groundwater withdrawn each year- 150,000 gal
11. The log of formations encountered in the drilling of each well, if available-  
118' Topsoil - 12' 20 ft. grey shale, 30' 51 ft  
16' grey sandstone, 51' 125 ft grey shale  
Water 45 ft and 115 ft
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- - -

Date May 31 1968

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

Original to the County Clerk & Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of mines and Geology, and Quadruplicate for the appropriator

18563

721832

STATE OF MONTANA,  
County of Yellowstone.  
This instrument was filed in my office  
this DEC 31 1963 19  
at 5:17 o'clock P M. ||  
Edmon S. Redding,  
County Clerk & Recorder  
By M. L. Deputy, ||

Shut-in pressure, for flowing well: ..... lb./sq. in. on: .....  
(date) .....  
feet of .....  
real per min. ....



DEC 4 1958 MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

STATE ENGINEER

WATER WELL LOG


Owner Ray E. Kinghorn Address Stephens  
Driller Ray E. Johnson Address 941 Cook Ave  
Date Started June 26, 1958 Date Completed July 2, 1958  
Location: Sec. 12 T. 4N R. 25E 1/4 sec. SW 25 SE

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

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

Casing: 12 ft. to 11 ft. Type Surf Pipe Size 8"

Casing: 135 ft. to 124 ft. Type Steel Pipe Size 6" 15.20 gauge

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

Perforated or Screened: Ft. 27 to ft. 40 Ft. 115 to ft. \_\_\_\_\_

Type of screen or perforations Factory Perforated

Static Water level, for non-flowing well: 27 ft. from surface feet.

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

Pumping water level: 110 feet at 5 gal. per min.

How tested: Baker

Length of test: 2 hrs

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

(over)

[illegible]

Rep. Incl

Grey Shale

Grey Sand Rocks

Grey Shale.

Water Supply 5 gal per min

Water at 45 ft and 115 ft

Total Supply 5 gal per man

Form No. 18  
8-60

T. 4N R. 28E  
County \_\_\_\_\_

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED

Water Well Log

X		

Owner Fred C. Blath Address Shepherd mont.  
Driller Same Address Same  
Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_  
Location: Sec. 13 T. 4N R. 28E  $\frac{1}{4}$  sec. 1 NW 4

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

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

Casing: Concrete ft. to 24 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: 20 from surface feet.

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

Pumping water level 20 feet at 5 gal. per min.

How tested: per pump

Length of test 2 hrs

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

(over)

Well No. 1

RECEIVED

JUL 17 1958

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T. 4 N R. 28 E  
County Yellowstone

WATER WELL LOG


Owner Fred C. Plath Address Shepherd, Mont.  
Driller Leroy E. Johnson Address 941 Cook Ave.  
Date Started June 13 - 1958 Date Completed June 27 - 1958  
Location: Sec. 14 T. 4 N R. 28 E  $\frac{1}{4}$  sec. NE  $\frac{1}{4}$

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

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

Casing: 11 ft. to 10 ft. Type surface pipe Size 8"  
Casing: 162 ft. to 157 ft. Type Sheet metal Size 6" I.B. 20 gauge  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 18 to ft. 45 Ft. 143 to ft. \_\_\_\_\_

Type of screen or perforations Factory Perf.

Static Water level, for non-flowing well: 30 ft. from surface feet.

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

Pumping water level: 145 feet at 5 gal. 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)