77579

FILED FOR RECORD

Dec 30, 1963

54 minutes past 8 o'clock

By

Agnes M. McDonald
County Recorder

By _____
Deputy

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—39318

30

File No.....

T 5N R 14W

DUPLICATE

County GRANITE

RECEIVED JAN 6 1964 STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater DEC. 30, 1963

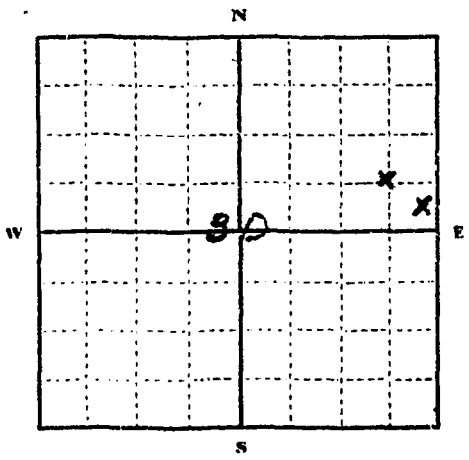
Owner RALPH & ELEANOR BUCHANAN Address PHILIPSBURG

Contractor (if any) NONE

Address of Contractor .....

Date Started..... Date Completed.....

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



SE ¼ NE¼ Sec 30 T 5N R 14W

Indicate point of appropriation and place of use, if possible.

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 INCHES — USED MAY THRU OCT.

Signature of Owner Eleanor K. Buchanan Ralph H. Buchanan

Date DEC. 30, 1963

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.

24037

77580

FILED FOR RECORD

Dec 30 1963

at 56 minutes past 2 o'clock

P.M.

Agnes M. McDonald

County Recorder

By _____ Deputy

GW 2

File No. .....

T 5N R 14W 32

DUPLICATE

County Granite

RECEIVED JUL 25 1963 STATE ENGINEER

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)

Top of Ground
6" top soil
(Elev. above sea level 6000)

7' 7" Static level.

9' — Sand gravel & boulders. with brown clay mix.

18' — Sand & gravel. [redacted] Water bearing.

14 ft. pumping level.

32' — Sand gravel. Yellow to gray clay mix.

33' — Weathered bed rock.

35' — Weathered lime stone bed rock. clay cemented in cracks. 14 W and NE ¼ Sec. 8 T 5N R 14 W

36' — Fractured lime stone. Water bearing

Show exact depth of bottom.

Owner U.S. Department of Agriculture - Forest Service Address Philipsburg, Montana

Driller C.F. Noble Address Millcreek RFD 1 Anaconda Montana

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

Date well started June 26 1963 Date Completed June 26 1963

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

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

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" ID	6" ID 19.8 lb.	2 ft. above surface	35ft.	none		

N
W E

Static Water Level for non-flowing Well 7' 7" feet.

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

Pumping Water Level 14' feet at 5 gal. per minute.

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

How Tested Pumping 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) .....

62
Driller's License Number

C.F. Noble
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.

FILED [illegible] RECORD

July 23, 1963

at 2 [illegible] o'clock

P.M.

Agnes M. McDonald

County Recorder

By Arsen C. Neal

Deputy

GROUNDWATER INDEX

County Granite Twp. 4N Rge. 16 W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
2	U.S. Forest Service	GW 3	77414	
11	U.S Forest Service	GW 3	77418	
25	U.S Forest Service	57	50317	
25	U.S Forest Service	57	50315	
25	Forest Service	GW 2	78898	

SCHILLING SPRING #308

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42199

File No.....

T. 4N R. 16W

DUPLICATE

County Granite

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

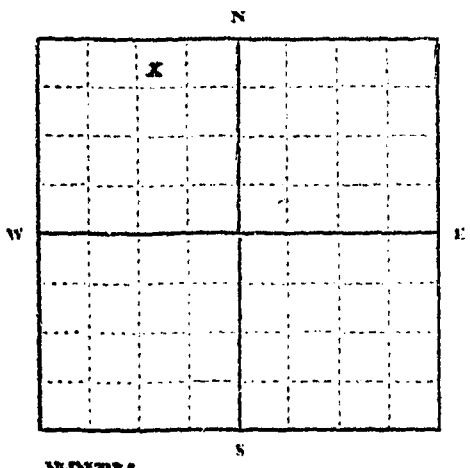
Date of Appropriation of Groundwater December 19, 1963

Owner U. S. Forest Service Address Philipsburg, Montana

Contractor (if any) None

Address of Contractor .....

Date Started..... Date Completed.....



NWNEW ¼ Sec. 2 T4N R. 16W

Indicate point of appropriation and place of use, if possible.

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

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. 1 Gallons per minute, used from June 15 to Oct. 15 annually.

Signature of Owner U. S. Forest Service Hobart P. Grubbs

Date December 19, 1963

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.

23899

77414

FILED FOR RECORD

Nov 20 19 63

at 32 minutes past 10 o'clock

A M.

Agnes M. McDonald
County Recorder

By Irene Nuno
Deputy

LONG FREE SPRING #328

N 3

Approved Stock Form—State Publishing Co., Helena, Montana—41337

File No.....

T. 4N R. 16W

DUPLICATE

County. Granite

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater December 19, 1963

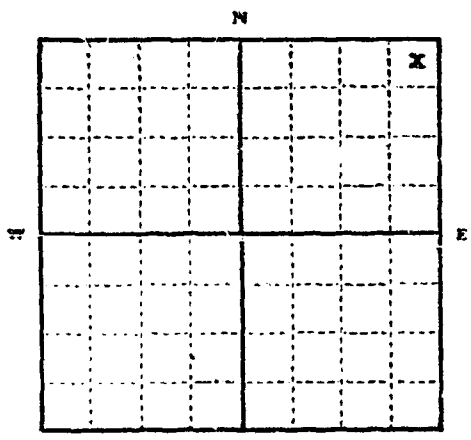
Owner U. S. Forest Service Address Philipsburg, Montana

Contractor (if any) None

Address of Contractor .....

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Development of a natural spring and piping water into troughs for stock water.



NENENE 1/4 Sec. 11 T. 4N R. 16W

Indicate point of appropriation and place of use, if possible.

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. 3 Gallons per minute, used from June 15 to Oct. 15 annually.

Signature of Owner U. S. Forest Service Robert P. Gaddis

Date December 19, 1963

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.

23904

77418

FILED FOR RECORD

Dec 20 1963

at 40 minutes past 2 o'clock

P. M.

Agnes M. McDonald

County Recorder

By Arsenal Nun

Deputy

GW 2

Copper Creek Campground

Approved Stock Form—State Publishing Co., Helena, Montana—59318

File No. .....

T. 4N R. 16W

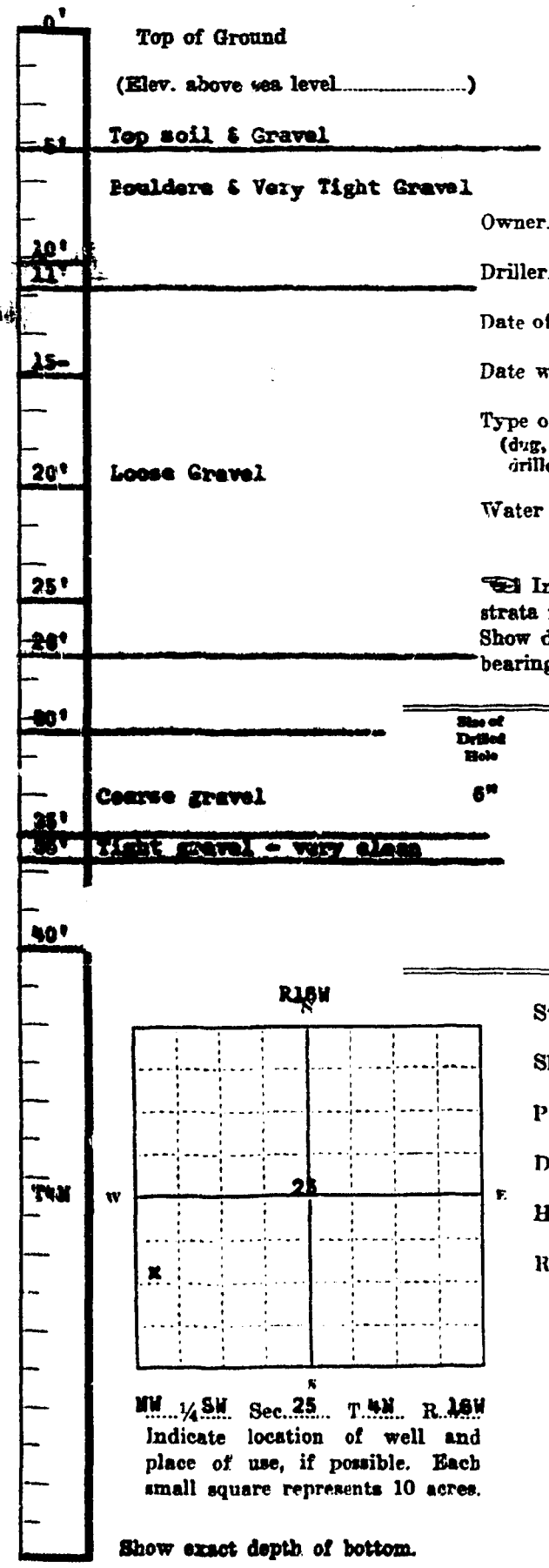
DUPLICATE

County Granite

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 Forest Service Address Butte, Montana

Driller Price & Lindsay Address Clancy, Montana

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

Date well started 6-25-64 Date Completed 6-29-64

Type of well Drilled (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)
6"	18.97	0	36		NONE	

Static Water Level for non-flowing Well 8 feet.

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

Pumping Water Level 18 feet at 20 gal. per minute.

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

How Tested Pump Length of Test 1 1/4 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) .....

NW ¼ SW Sec. 25 T. 4N R. 16W
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

38
Driller's License Number

Wesley Lindsay
/s/ Wesley Lindsay
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.

38742

78898

FILED FOR RECORD
Dec. 1, 1964 at
09 minutes past 11:00 o'clock
A. M..

Agnes M. McDonald
County Recorder

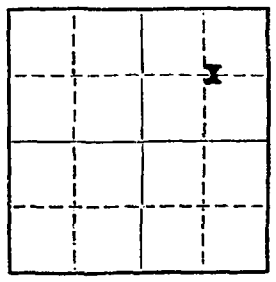
By Maude Echols
Deputy

T. 4N R. 16W 25

County Granite

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner U. S. Forest Service Address Philipsburg, Montana.

~~Driller~~ Dug U. S. Forest Service Address Philipsburg, Montana.

Date Started August 1945 Date Completed August 1945

Location: Sec. 25 T. 4N R. 16W ¼ sec. NE

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

Water use: Domestic [X] Municipal [ ] Stock [ ] Irrigation [ ]

Industrial [ ] Drainage [ ] Other:

Casing: 0' ft. to 10' ft. Type Concrete Pipe Size 18"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

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

Type of screen or perforations

Static Water level, for non-flowing well: 8' feet.

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

Pumping water level 8' feet at 15 gal. per min.

How tested:

Length of test

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

(over)

50317

Log of Well

Description of Material Drilled

FILED FOR RECORD

Feb. 10 19 58

at 49 minutes past 2:00 o'clock,

P. M.

H. E. McDougal

Clerk.

By Maude Echols Deputy.

Fee: Ex. (GRANITE COUNTY SEAL)

Depth, feet	
From	To

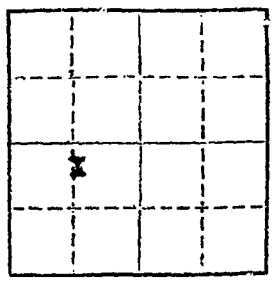
25

T 4N R 16W

County Granite

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner U. S. Forest Service Address Philipsburg, Montana.

Driller Joe Matish Address Philipsburg, Montana.

Date Started August 1957 Date Completed August 1957

Location: Sec. 25 T. 4N R. 16W ¼ sec. SW

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other: Camp Ground

Casing: 0' ft. to 12' ft. Type Concrete Pipe Size 18"

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: 10' feet.

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

Pumping water level 10' feet at 15 gal. per min.

How tested:

Length of test

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

(over)

Log of Well

Depth, feet From	Depth, feet To	Description of Material Drilled
		Fee: Ex.
		Maude Echols
		(GRANITE COUNTY SEAL)
		H. E. McDougal
		P. M.
		45
		FILED FOR RECORD
		Feb. 10 19 58
		2:00 o'clock,
		50815

.W 3

Approved Stock Form—State Publishing Co., Helena, Montana—39318

7

File No.....

T. 4 N R. 15

DUPLICATE

County Granite

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 1947

Owner Walter A. Sanders Address Philipsburg, Mont.

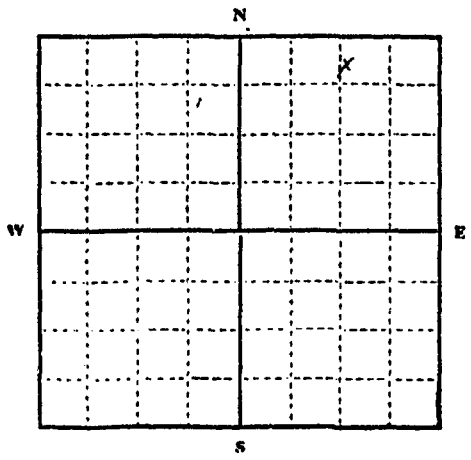
Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

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

Natural spring



.....¼..... Sec. 7 T. 4 R. 15

Indicate point of appropriation and place of use, if possible.

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 5 mo May thru Sept. 20 miner's inches of water used for watering stock and irrigating

Signature of Owner Walter A. Sanders

Date Dec. 19 1963

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.

23889

GROUNDWATER INDEX

County Granite Twp. 4 N Rge. 15 W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Sanders, Walter L.	GW 3	77405	
1	Yardley, Ellis	GW 3	77454	

77405

FILED FOR RECORD

Dec 19, 1963

~~44~~ minutes past 3:00 o'clock

P.M.

Agnes M. McDonald

County Recorder

By _____

Deputy

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42199

1

File No.....

T 4N R 15W

DUPLICATE

County GRANITE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

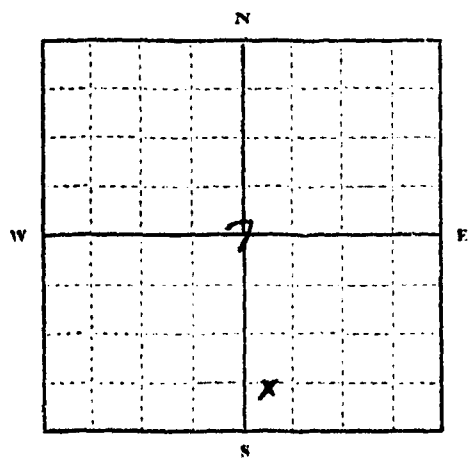
Date of Appropriation of Groundwater DEC. 23, 1963

Owner J. ELLIS YARDLEY Address PHILIPSBURG, MONT.

Contractor (if any) NONE

Address of Contractor .....

Date Started..... Date Completed.....



SW¼SE¼ Sec. 7 T 4N. R 15W

Indicate point of appropriation and place of use, if possible.

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

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 80 INCHES USED FOR STOCK WATER AND IRRIGATION

Signature of Owner J. Ellis Yardley

Date DEC. 23, 1963

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.

23932

#77454

FILED FOR RECORD

Dec. 23, 1963

at 34 minutes past 2 o'clock P.M.

Agnes M. McDonald
County Recorder

By Anna Nau
Deputy

GROUNDWATER INDEX

County Shasta Twp. 4N Rge. 14W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
6	U.S. Forest Service	GW 2	18194	
6	U.S. Dept. of Agri - Forest Serv.	GW 2	—	

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—39218

File No. .....

T 4N R 14W

DUPLICATE

County Granite

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 13 1964
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)

0-20 yellow clay & heavy gravel

20-23 gray clay, gravel

23- 75 yellow clay varying amounts gravel

Owner Spillway Camp Ground U.S. Forest Service Address Butte, Montana

Driller Carl F. Hollensteiner Address Dillon, Montana

Date of Notice of Appropriation of Groundwater ****

Date well started Oct. 6, 1964 Date Completed Oct. 10, 1964

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

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

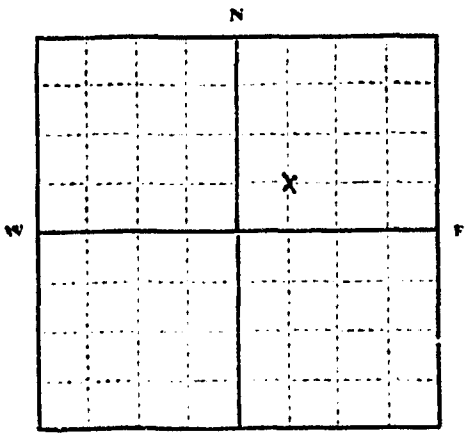
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

75-90 boggy gray clay & sand lots of water couldnt clear

90-96 yellow clay / gravel

finished in gravel at 96

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6" blk. 18.97 lb. Std. Seamless American made	18" up	96	None		



SW ¼ NW ¼ Sec. 6 T 4N R 14W

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

Static Water Level for non-flowing Well 35 feet.

Shut-in Pressure for Flowing Well ****

Pumping Water Level 40 feet at 20 gal. per minute.

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

How Tested Bailer Length of Test 2½ 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)

Show exact depth of bottom.

License No. 9
Driller's License Number

Carl F. Hollensteiner
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.

38654

78794

FILED FOR RECORD
Nov. 10, 1964
at 24 minutes past 1:00 o'clock
P. M.

Agnes M. McDonald
County Recorder

By Maude Echols
Deputy

6

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level 6000)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

7' 7" [illegible] 1.

Owner U.S. Department of [illegible] Address Thilinsburg, Montana

Driller [illegible] Address [illegible] 1

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

[illegible] gravel & boulders.
[illegible] brown clay mix.

Date well started June [illegible] 1963 Date Completed June [illegible] 1963

Type of well [illegible] (dug, driven, bored or drilled) Equipment Used Churn drill (Churn, drill, rotary or other)

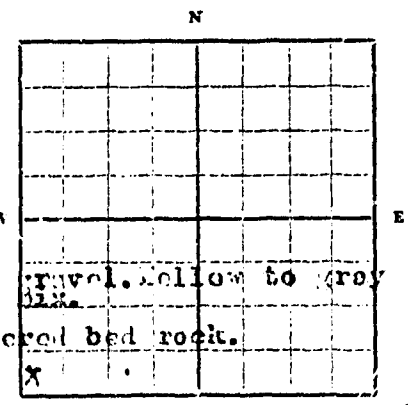
[illegible] gravel. [illegible] water bearing.

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

[illegible] level.

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" ID	6" ID 19.8 lb.	2 ft. above surface	25ft.	none		



Static Water Level for non-flowing Well 7' 7" feet.

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

Pumping Water Level 14' feet at 5 gal. per minute.

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

How Tested [illegible] 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) .....

[illegible] gravel. Yellow to gray clay mix.
[illegible] weathered bed rock.
[illegible] weathered lime stone bed rock. clay cemented in cracks. 14' [illegible] and
[illegible] water bearing;

SW ¼ Sec. 6 T 24N. R. 14 [illegible]

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

Show exact depth of bottom.

62
Driller's License Number

C. F. Mc[illegible]
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.

FIL[illegible] -ORD

[illegible] July 23, 1963

nt [illegible] o'clock

[illegible]

Agnes M. McDonald
[illegible]unty Recorder

By Ursula New
Deputy

GROUNDWATER INDEX

County GRANITE Twp. 4N Rge. 13W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	U.S. Forest Service	GW 3	77318	

GW 3 PETERSON MEADOWS W.D.

File No. ..... T. 4N R. 13W

DUPLICATE County Granite

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater December 12, 1963.

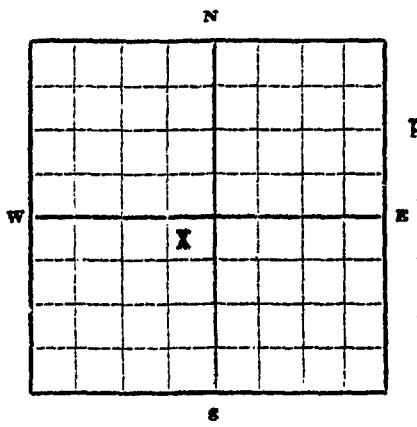
Owner U. S. Forest Service Address Philipsburg, Montana

Contractor (if any) None

Address of Contractor .....

Date Started ..... Date Completed .....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Development of natural spring and piping water into wooden trough, for stock water.



SW ¼ Sec. 1 T4N R13

Indicate point of appropriation and place of use, if possible.

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 ½ Gallon per minute, used from June 15 to Oct. 15 annually by permitted livestock.

Signature of Owner U. S. Forest Service by [illegible]

Date December 12, 1963

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.

9257

77318

FILED FOR RECORD

Dec 12, 1943

at 12 minutes past 4 o'clock

P. M.

Agnes M. McDonald
County Recorder

By Arnold New
Deputy

GROUNDWATER INDEX

County Granite Twp. 7 N Rge.

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
No#	Fred Weaver	6W2	80726	T
No#	Rick Perkins	6W2	96168	T
No#	Carl Green	6W2	77493	T
No#	W. W. Gendron	6W2	84830	T
No#	Jim Gillies	6W2	89607	T

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—42329

File No.....

STATE WATER CONSERVATION BOARD

JUN 10 1966

T.....R.....

DUPLICATE

County Granite

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

6' Basement

Clay & Broken Rock

24'

Brown Clay

32'

Clay & Gravel

37'

Gravel & Water

42' Bottom

Show exact depth of bottom.

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Fred Weaver Address Drummond

Driller Donald R. Beebe Address Arlee Montana

Date of Notice of appropriation of groundwater.....

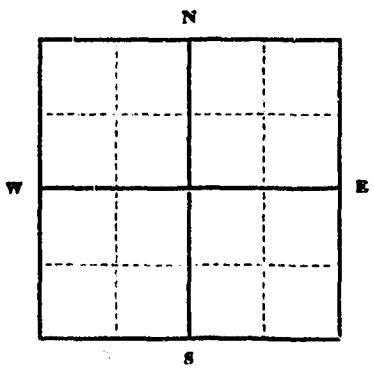
Date well started Aril 8, 1966 Date completed April II, 1966

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

Water use: Domestic [X] Municipal [ ] Stock [ ] Irrigation [ ] Industrial [ ] Drainage [ ] Other [ ]

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" I_D	6" 17#	6'	42'	None		



.....¼..... Sec..... T..... R.....
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 36 feet.

Shut-in Pressure for Flowing Well n/a

Pumping Water Level 36 feet at 24 gal. per minute.

Discharge in gal. per min. of flowing well n/a

How Tested Bailer

Length of Test 1 Hour

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

.....(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).

Household

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.

MONTANA #163
Driller's License Number

Donald R. Beebe
Driller's Signature

41125 ~~41125~~

80726

FILED FOR RECORD

June 8, 1966 at
30 minutes past 1:00 o'clock P. M.

Agnes M. McDonald
County Recorder

By Wanda Echols
Deputy

Fee: $2.00

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County [illegible]

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 Rich Perkins

Address Hall, Montana

59837

Date well started 6/2/73

completed 6/8/73

For Administrator's Use
File [illegible]
[illegible]
GW 1 [illegible]

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8" x .250	0'	68'	Cutting torch	60'	68'

N
W E
S

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

¼ ¼ Sec.
T. N/S R. E/W

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

Driller's Signature [illegible]

Driller's Address 2304 Harrard Avenue

Butte, Montana 59701 LICENSE NO. 8

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0'	2'	Top soil
2'	10'	Clay
10'	30'	Gravel & water
30'	55'	Clay
55'	68'	Gravel & sandstone Water

68' Show exact depth of bottom

56067

90108

FILED FOR RECORD

June 29 1973

at 25 minutes past 2:00 o'clock

P.M.

Marie Morrison
County Recorder

Margaret J. Collins
Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—3908

File No. 28-62

T.....R.....

DUPLICATE

County Deer Lodge

RECEIVED
JAN 6 1964
STATE ENGINEER

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 Earl Green Address 418 E. Park Anaconda Montana

Driller C.F. Noble Address Millcreek RFD# 1 Anaconda Montana

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

Date well started Oct. 22 1962 Date Completed Nov. 3 1962

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

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

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

Top of Ground

(Elev. above sea level 5,600)

2' Top soil

20 Gray to orange clay and sluff.

46 ft. static level

Water being taken from bottom 10 ft.

57 ft. pumping level.

66' Interstitant layers solid to weathered lime stone.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
8"	6"x 19.45 lb.	0'	66'	Slots 3/16 x 5"	61	66
	8" 25.5LB.	Surface	22'			

Static Water Level for non-flowing Well 46 feet.

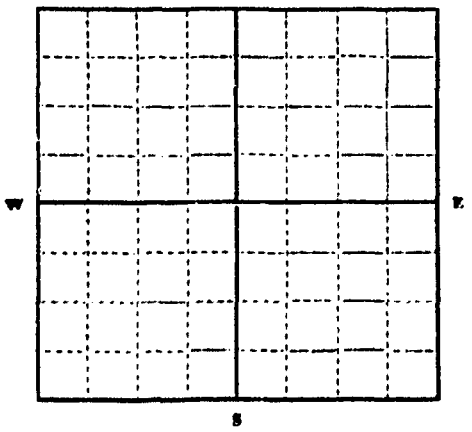
Shut-in Pressure for Flowing Well.....

Pumping Water Level 57 feet at 20 gal. per minute.

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

How Tested Bailer Length of Test 3 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) A gravel pack of 3/8" to 1/4" gravel ##### on outside of 6" casing from bottom of hole to 54'. A 5 ft sand pack on top of gravel. To surface # is packed with clay.



.....¼..... Sec..... T..... R.....

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

Show exact depth of bottom.

62
Driller's License Number

C.F. Noble
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.

23960

77493

FILED FOR RECORD

Dec 22, 1963

at 53 minutes past 1 o'clock

P M.

Agnes M McDonell

County Recorder

By Grace Neal

Deputy

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—45642

File No.....

T..... R.....

TRIPLICATE

County Granite

MONTANA WATER RESOURCES BOARD
RECEIVED
MAR 2 1961

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

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

0 - 1½ top soil & small gravel

1' - 8 cobble stone sand & gravel

8 - 20 sand gravel & water

20 - 35 sand & water

35 - 40 red clay no water

40 - 45 sand & water

45 - 53 gravel & water

Show exact depth of bottom.
53 ft. from top of ground

Owner W. E. Cadrow Address Rockcreek

Driller Harold K. Pickens Address 3624 So. Ave. Missoula

Date of Notice of appropriation of groundwater.....

Date well started 6/25/6 Date completed 6/28/60

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

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

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)
5 inch	5 in. I.D. 15 per ft.	0	53	NONE		

N
W E
S

.....¼ .....Sec..... T..... R.....
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 8 ft. of top feet.

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

Pumping Water Level 8 ft of top feet

at 40 gal. per minute.

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

How Tested compressor

Length of Test 4 hrs.

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

.....(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.

71
Driller's License Number

Harold K. Pickens
Driller's Signature.

45,074

INDEXED

84830

FILED FOR RECORD

March 24 1969

at 16 minutes past 8 o'clock

A. M.

Agnes M. McDonald
County Recorder

Eleanora F. Raef
Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Granite

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 Jim Gilkes

Address Box 278
W. PHILIPSBURG - MONTANA

Date well started July 13 - 1972
completed July 13 - 1972

For Administrator's Use
File 89607
Feb 15, 1973
GW 1 1:55 p.m.

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

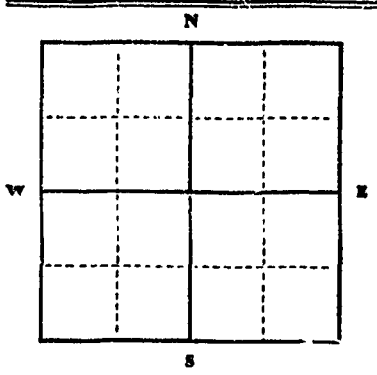
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" D	6 5/8 OD .250 17.02 lbs	0'	30'	1/4 x 6" TORCH	20'	30'



Static water level 6' ft.*
Pumping water level 19' ft.*
at 12 gallons per minute,
measured minutes after pumping began.
*Measured from ground level.
Well developed by PUMPED
for 2 hours.
Power 5 HP Pump 3 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

.....¼ .....¼ Sec.....
T..... N/S R..... E/W

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

Driller's Signature Morton J. Farrow

Driller's Address 415 Front - 4 Mile

Butte Montana 59701 LICENSE NO. 177

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0'	10'	LARGE GRAVELS & SAND
10'	25'	GRAVEL & CLAY
25'	30'	SAND & GRAVEL

30' Show exact depth of bottom

52,438

89607
FILED FOR RECORD
February 15, 1973
at 55 minutes past 1 o'clock
P. M.
Marie Morrison
Clerk Recorder