#525

240993

I received and filed this Instrument for record on the 31 day of Aug 1965 at 10:00 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Crouse County Recorder

By Doretta A. Cunning Deputy

Fee $ 2.00 Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—42325

STATE WATER CONSERVATION BOARD

File No.....

MAY 3 1966

T. 12N R. 19W 21

DUPLICATE

County Missoula

Bille McDermott
Butzerin McNulty
Coyle Morton
Darlinton Sullivan
Dickert

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)

LOG

Top of Ground

(Elev. above sea level Approx 3,142'.....)

Formations Log:

0 - 1 Top soil.
1 - 16 Gravel, cobblestones & broken rock with some clay mixed in.
16 - 57 Gravel & broken rock imbedded in tan clay.
57 - 77 Gravel & broken rock imbedded in purple clay.
77 - 85 Broken green & gray rock with gray clay in cracks & seams.
85 - 96 Blue rock.
96 - 160 Red rock.
160 - 166 Broken green rock. Gray clay in cracks & seams.
166 - 170 Red rock.
170 - 182 Green rock.
182 - 204 Red rock.
204 - 215 Gray rock.
215 - 232 Broken gray rock.
232 - 370 Red & gray rock in thin alternate layers. Fractured and broken between 362' & 370'. Water in cracks & seams.
370 - 390 Gray rock.

Owner Ione C. Inabnit &/or Elden L. Inabnit Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 5/27/65 Date completed 6/25/65

Type of well Drilled (Dug, Driven, bored or drilled) Equipment used Cable Tools & Air Rotary (Churn drill, rotary or other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8 OD x ¼"	+1	90'2"	~~5 9/16 OD~~	~~85~~	~~214~~
	5 9/16 OD	83	214	4 9/16 OD	362	370
	4 9/16 OD	213'7"	390			

N
W E
S
x

Static Water Level for non-flowing well 28 feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 250 feet at 20 gal. per minute.

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

How Tested Pump Test

Length of Test Twelve hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through perforations from 362' to 370'

W½ SE ¼ Sec. 21 T. 12N R. 19W

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

Water rises in well 28 feet from surface

(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).

Ten Acres

Show exact depth of bottom.

Bottom of hole 390'

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.

52
Driller's License Number

William F. Osborne
Driller's Signature

41020

#1601

249808

I received and filed this Instrument for record on the 29 day of Apr., 19 66 at 10:2 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand

Vernace R. Clerk, County Recorder

By Dorothy L. Head Deputy

Fee $ 2.00 Paid cash

GW 2

STATE WATER CONSERVATION BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—4232

File No.

JUN 15 1966

T. 12N R. 19W

DUPLICATE

Bills McDermott
Butzerin McNulty
LOG Coyle Morton
Darlinton Sullivan
Dickert

County Missoula

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 Approx. 3142')

Formations Log

0 - 2 Black dirt.
2 - 18 Gravel & boulders mixed with gray silty clay.
18 - 85 Gravel & broken rock imbedded in tan clay.
85 - 92 Tan clay with some gravel imbedded.
92 - 134 Fine sand & gravel.
134 - 137 Clean coarse gravel. Water.

Water rises in well 92 feet from surface.

Show exact depth of bottom.

Bottom of hole 137'

Owner Glenn W. Maclay Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

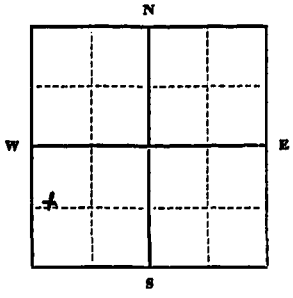
Date well started 4/30/65 Date completed 5/6/65

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x ¼"	+1	137	NONE		



Tracts 10 & 11 Canyon Village

¼ Sec. T12N R. 19W

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

Static Water Level for non-flowing well 92' feet.

Shut-in Pressure for Flowing Well Non-f

Pumping Water Level 112 feet at 75 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Two hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water is entering well through the open bottom of six inch casing. Wells with open bottom completions in this area can be depended upon to produce clear sand free water year after year as lon as they are not overpumped, i.e., they should

(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.

52
Driller's License Number

Walter F. Osborne
Driller's Signature

41140

be pumped at rates less than 25 to 50 percent of the tested capacity of the aquifer.

251103

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—41933

File No.....

T 12N R 19W 21

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED MAY 20 1965 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.....)

0

1' Top Soil

103' Gravel Clay

103

114' Water Sand Gravel

Owner Jimmie Mallery Address Miller Creek

Driller John Farrell Address Arlee Mont

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

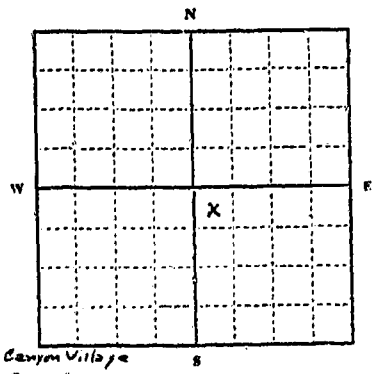
Date well started Apr 26 1965 Date Completed May 3 1965

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5"	(3" 14½#)	0	115'			



Canyon Village

Tract 14 ¼ Sec. 21 T 12N R 19W

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

114'

Show exact depth of bottom.

Static Water Level for non-flowing Well 87 feet.

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

Pumping Water Level 89 feet at 14 gal. per minute.

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

How Tested Pump 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).....

115' Pipe 1' Above Ground Level

14
Driller's License Number

John Farrell
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.

39137

F150'

236680

I received and filed this instrument for record on the 17 day of May 19 64 at 12:45 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

Vernice B. Crosse, County Recorder

By Jane Carmichael, Deputy

Fee $ 2.00 Paid

s GW 2 Revised 1969
STATE PUBLISHING COMPANY

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

OCT 28 1971

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 BOB SORENSON

Address MILLER CREEK

Date well started OCT.7,1970

completed OCT.13,1970

For Administrator's Use
File 308660 October 15, 1971 12:20 PM
GW 1

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

Equipment used CHURN (Churn drill, rotary or other)

Water Use: Domestic XX Municipal ☐ Stock ☐ Irrigation ☐

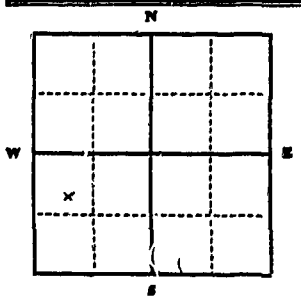
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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"ID	6-5/8"OD 17 lbs. 1/4"side-wall	ground level	127'			



Static water level 106 ft.*
Pumping water level 125 ft.*
at 20 gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by sub.pump
for 3 hours.
Power 220 Pump 3/4 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

¼ SW ¼ Sec. 31
T. 13 N/S R. 19 E/W

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

Driller's Signature Kenneth L. Williams

Driller's Address 1558 So. 5th W. MISSOULA, MONTANA

LICENSE NO. 151

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 (Flow, above sea level)

From (Feet)	To (Feet)	
GL	6'	well pit
6'	111'	tan clay, sand & gravel
111'	127'	water, sand & gravel

127' Show exact depth of bottom

49269

#2191

308660

I received and filed this instrument for record on the 15 day of Oct 1971 at 1:20 o'clock P M. permanent files of Missoula County, State of Montana

Witness my hand

Veramae R. Crouse, County Recorder

By [illegible] Deputy

Fee $ [illegible] Paid

GW 2

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

File No.....

Mail to: 305 Blaine
Missoula, Montana

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

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
MAY 23 1988

County Missoula

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0-53 Sand, Gravel & Clay

53-58 Clay

58-98 Sand, Gravel & Clay

98-128 Sand, Gravel and Water with some Streaks of Clay

Owner: Dale Torgerson Address: Miller Creek

Driller: Glenn Camp Address: 1522 S. 14th W. Missoula, Montana

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

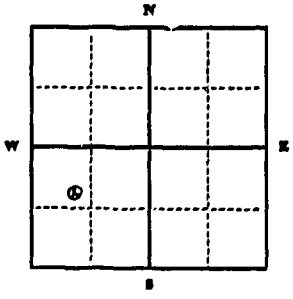
Date well started: April 19, 1968 Date completed: April 25, 1968

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"I.D.	6"I.D. 17 lb per ft.	8" above G.L.	128'6"	N	ONE	



SW ¼ Sec. 21 T. 12N R. 19W

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

Static Water Level for non-flowing well 98' feet.

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

Pumping Water Level 98' feet at 30 gal. per minute.

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

How Tested: Bailer

Length of Test: 2 hours +

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).

Show exact depth of bottom.

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

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

License #7
Driller's License Number

Glenn Camp
Driller's Signature. Glenn Camp

44,154

1791 271461

I received and filed this Instrument for record on the 2 day of May 1968 at 1:50 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

Vernon R. Crouse, County Recorder

By Marian M. Delbo Deputy

Fee $ 2.00 Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4234.

File No.

T 12N R 19W 21,22

DUPLICATE

County Missoula

28

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Mr. Robert P. Banaugh / & Catherine H. Banaugh Address Missoula, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 6/12/68 Date completed 6/27/68

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.

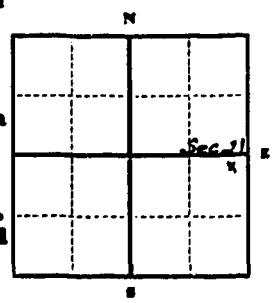
Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6 5/8" x ¼"	+2	209	NONE		

Formations Log:

0 - 84 Gravel mixed in tan clay.
84 - 86 Green & gray poorly graded gravel.
86 - 99 Poorly graded gravel and broken rock imbedded in tan clay.
99 - 101 Badly broken red rock.
101 - 112 Badly broken red rock imbedded in tan clay.
112 - 113 Broken red rock.
112 - 121 Broken red rock imbedded in tan clay.
121 - 129 Very silty sand & gravel. Some silty water. Too fine and dirty to successfully develop well.
129 - 137 Broken rock mixed in light brown clay
137 - 148 Very silty sand and gravel. Some silty water.
148 - 154 Broken rock imbedded in tan clay.
154 - 177 Brown silty sand and clay. Seeps of water.
177 - 181 Very silty sand and gravel. Some silty water.
181 - 201 Fractured rock. Clay in seams.
201 - 213 Fractured rock. Water.

Water rises in the well 128 feet from surface.
Show exact depth of bottom.

Bottom of well 213'



E½, SE¼, Sec 21 & W½ ¼SW Sec. 22 T12N R19W

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

Static Water Level for non-flowing well 128 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 180 feet at 45 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Four & one half hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well from fractures in the rock between 209 and 213 feet. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 40 to 50 percent of the total capacity of the aquifer. (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).

Approx. acres

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.

22
Driller's License Number

William F. Coburn
Driller's Signature

45,282

892

281483

I received and filed this Instrument for record on the 23 day of May 1969 at 11:15 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Crouse, County Recorder

By Mary Shafley, Deputy

Fee $ 2.00 cash Paid

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42345

File No.....

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
MAY 23 1969

T. 12N R. 19W

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

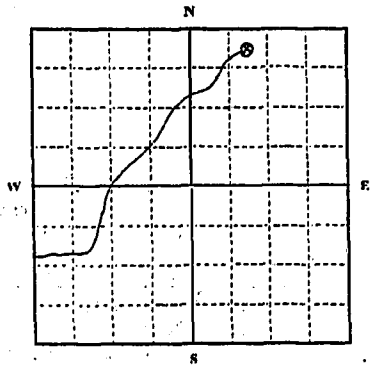
Date of Appropriation of Groundwater July 1, 1968

Owner A. T. Beaudry and JoAnne Beaudry Address Route 5, Miller Creek Road, Missoula, Montana

Contractor (if any) NONE

Address of Contractor NONE

Date Started 7/1/68 Date Completed 7/1/68



.....¼..... Sec 22 T. 12N R. 19W

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

(1) [X] The spring. It is in the NW¼NE¼ of Sec. 22, Twp. 12 N., Rge. 19W. Missoula, County, Montana

(2) The solid line represents the flow of the spring.

1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) Natural spring that flows about a mile and half and then disapperas into the ground.

2) Means of withdrawing water (gravity, pump, canal, etc.) Gravity pipe and hose, also by centrifical pump.

3) Depth of water table unknown, but spring flows the year round.

4) Use of the water Irrigation, domestic use, fire prevention, water for garden and stock

5) Amount of groundwater claimed (in miner's inches, or gallons per minute) 15 miners inches

6) If used for irrigation, give number of acres and description of land See reverse side hereof for land description and acreage.

7) Estimate amount of water used each year 30,000 to 50,000 gallons

Signature of Owner A. T. Beaudry JoAnne Beaudry

Date April 30, 1969

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.

45,259

Missoula

A.T. Beaudry and JoAnne Beaudry

t y are are s

s

s s are

s s t y

A.T. Beaudry

JoAnne Beaudry

69

Missoula, Montana

(SEAL)

Question No. (6).: If used for irrigation, give number of acres and description of land: All that portion of the SW¼ of Section 22, Twp. 12, North, Rge. 19 West, lying South of the Miller Creek Road as now constructed and North of Miller Creek and bounded on the East by a line 800 feet West of the East boundary line of the SW¼ and bounded on the West by a line which is 2315 feet West of the East boundary line of the SW¼; and all that portion of the SW¼ of Section 22, Twp. 12 North of Range 19 West which lies South of Miller Creek and bounded on the east by a line which is 1900 feet West of the East boundary of the SW¼ and bounded on the West by a line which is 2315 feet West of the East boundary of the SW¼ of said Section 22; all in Missoula County, Montana, and containing 20 acres more or less.

I received and filed this Instrument for record on the 28 day of May 19 67 at 1:00 o'clock P.M., permanent files of Missoula County, State of Montana
Witness my hand:
Verognie R. Crouse, County Recorder
By Marilyn A. Hoag Deputy
Fee $ 2.00 Paid Cash

28/365

#1890

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—41933

File No.....

T. 12 R. 19 W

TRIPLICATE

County. Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 12 1965
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0	Top of Ground
	(Elev. above sea level.....)
2'	Top Soil
2'	
63'	Clay & Gravel
63'	
65'	Small Trace Water
65'	
73'	Clay & Gravel
73'	
87'	Sand Gravel & Water
87'	Show exact depth of bottom.

Owner A. T. Beaudry Address Miller Creek

Driller John Farrell Address Arlee

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

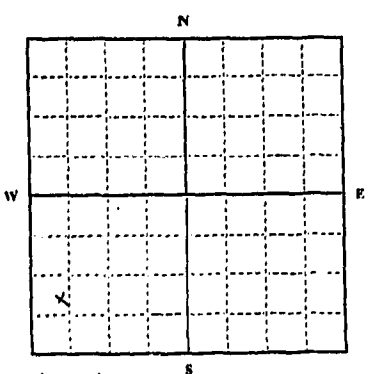
Date well started June 1 1965 Date Completed June 4 1965

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5"	(14 1/2#)	0	87'			



SW 1/4 SW Sec. 22 T. 12 R. 19

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

Static Water Level for non-flowing Well 73' feet.

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

Pumping Water Level 74' feet at 12 gal. per minute.

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

How Tested Pump Length of Test 1 Hour

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

John J. Erlo

NOTARY PUBLIC for the State of Montana
Residing at Missoula, Montana.
My commission expires December 1, 1967

14
Driller's License Number

John Farrell
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.

39284

#1516

238532

I received and filed this Instrument for record on the 1 day of July 1965 at 11:00 o'clock A M., permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Crouse, County Recorder

By Doretta A. Rumney Deputy

Fee $ 2.00 Paid

cash

GW 2

STATE WATER CONSERVATION BOARD

File No.....

OCT 20 1965

T 13 N R 19 W

DUPLICATE

Supplementary To Original

Bills..... McDermott.....
Butte.....
Darlinton..... Sullivan.....
Dickert.....

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

87'
105' Gravel
105
130' Gravel Sand Water

130'

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1[illegible])

Owner A T Beaudry Address Miller Creek

Driller John Farrell Address Arlee

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

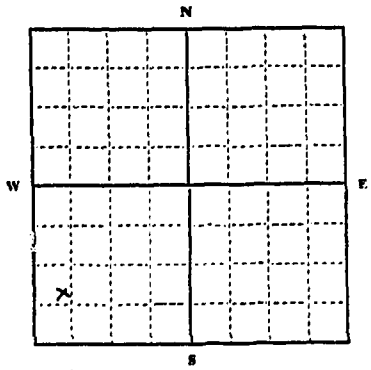
Date well started Aug 12 1965 Date Completed Aug 14 1965

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5"	(5" 14½)#	0	130'			



SW ¼ SW Sec. 33 T 13 R 19

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 102 feet.

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

Pumping Water Level 126 feet at 12 gal. per minute.

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

How Tested Pump Length of Test 1 Hour

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

Deepen Well 43'

First Drilling Well Went Dry In July 1965

14
Driller's License Number

John Farrell
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.

39705

#1533

242688

I received and filed this Instrument for record on the 11 day of Feb. 1965 at 10:15 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Crouse, County Recorder

By Loretta A. [illegible], Deputy

Fee $ 2.00 Paid

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42345 3

22

File No.....

T. 12 N R. 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

RECEIVED
MAY 16 1969

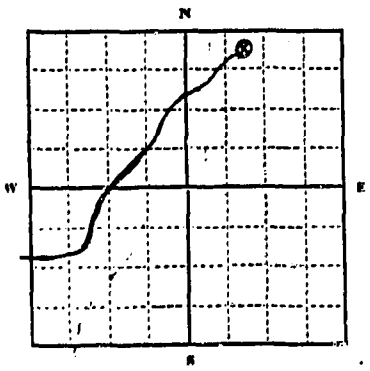
Date of Appropriation of Groundwater July 1, 1968

Owner Harold J. Knapp and Gail F. Knapp Address Route 5

Contractor (if any) NONE

Address of Contractor NONE

Date Started 7/1/68 Date Completed 7/1/68



N½ SW¼ Sec. 22. T. 12N 19W

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

LEDGEND

(1) [X] The spring. It is in the NW¼NE¼ of Sec. 22, Twp. 12 N., Rge. 19 W., Missoula County, Montana

(2) The solid line represents the flow of the spring.

1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) Natural spring that flows about a mile and half and then disappears into the ground

2) Means of withdrawing water (gravity, pump, canal, etc.) Gravity pipe and hose. Also by centrifical pump.

3) Depth of water table unknown, but spring flows the year around.

4) Use of the water Irrigation, domestic use, fire prevention, water for garden and stock.

5) Amount of groundwater claimed (in miner's inches, or gallons per minute) 15 miners inches

6) If used for irrigation, give number of acres and description of land See reverse side hereof for land description and acreage.

7) Estimate amount of water used each year 30,000 to 50,000 gallons

Signature of Owner.....

Date April 30, 1969

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.

45,230

Missoula

Harold J. Knapp and Gail F. Knapp

t y are are s

s

s s are

s s t y

Harold J. Knapp Harold J. Knapp

Gail F. Knapp Gail F. Knapp 69

Missoula, Montana

(SEAL)

Question No. (6): If used for irrigation, give number of acres and description of land: A tract of land located in the north half of the Southwest quarter (N½SW¼) of Section 22, Twp. 12 North, Rge. 19 West, M.P.M., Missoula County, Montana, more particularly described as follows: Beginning at a point on the east-west center of the section line of said Section 22 that is 765.60 feet East of the quarter corner that is common to Sections 21 and 22 of Twp. 12 North, Rge. 19 West; thence East on and along said east-west center of the section line for a distance of 1349.60 feet; thence south and parallel to the north-south center of the section line of said Section 22 for a distance of 1003.80 feet to the north edge of the Miller Creek Road called Corner B-1; thence westerly on and along the north edge of Miller Creek Road to Corner B (Corner B bears N. 89°47'54"W. a distance of 1349.0 feet from Corner B-1); thence North and parallel to the north-south center of Section line of said Section 22 for 999.04 feet to the point of beginning. The tract contains approximately 30 acres.

I received and filed this Instrument for record on the 13 day of May 1969 at 9:50 o'clock A.M. permanent files of Missoula County, State of Montana

Witness my hand

Vernonce R. Grousy County Recorder

By Ruth H. Smith Deputy

Fee $ 3.00 Paid ck.

281188

1886

OW 2

Approved Stock Form—State Publishing Co., Helena, Montana—41933

File No. .....

T. 12N R. 16W 22

DUPLICATE

County Musselshell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 15 1965
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.....)

0

1' Top Soil

1'

61' Shale Rock Clay

61'

62' Gravel Water

62'

70' Bed Rock Dry

62'

Owner Harold G. Knapp Address Miller Creek

Driller John Farrell Address Arlee Mont

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

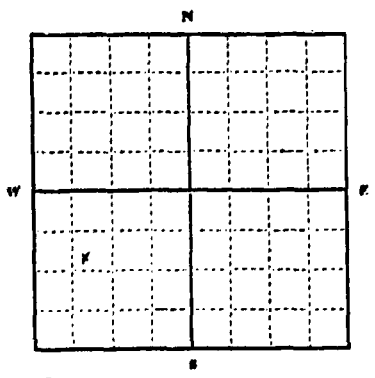
Date well started April 6 1965 Date Completed April 10 1965

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5"	5" (14½)#	0	62'			



SW ¼ Sec. 22 T. 12N R. 16W

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 30 feet.

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

Pumping Water Level 39 feet at 7 gal. per minute.

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

How Tested Pump Length of Test 2 Hrs

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

Drilled 8' IN Bed Rock Dry

Pulled Casing Back To 62'

14
Driller's License Number

John Farrell
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.

39069

#1489

235270

I received and filed this instrument for record on the 13 day of April 1965 at 9:10 o'clock A M, permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Crouse, County Recorder

By Doretta Turning Deputy

Fee $ 2.0 Paid cash

JW 3

Approved Stock Form—State Publishing Co., Helena, Montana—C199

22

File No.

T 12 N R 19 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 3 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 1927

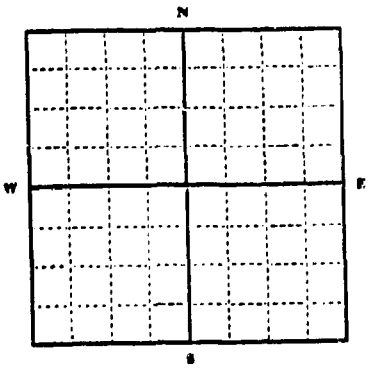
Owner L. L. McCullough Address Missoula, Mont

Contractor (if any) None

Address of Contractor

Date Started June 1927 Date Completed June 1927

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Cattle filled dam in front of digged spring



SW¼ SW¼ NE¼ Sec. 22 T. 12 N R. 19 W

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. 12 Mo use for stock only. Dam approx 6' high 1/ 55' long will hold 3 to 45,000 gallons.

Signature of Owner L L McCullough

Date 12/31/63

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.

20304

1185

Copy

I received and filed this instrument for record this 31st day of Dec. 1963 at 7:08 o'clock P. M., permanent files of Missoula County, State of Montana

Witness my hand:

By Martin L. Sahler County Recorder

Fee $2.00 Paid Deputy

3 GW 2 Revised 1969
STATE PUBLISHING COMPANY

RECEIVED
NOV 19 1973
MONT. DEPT. of NATURAL RESOURCES & CONSERVATION

County MISSOULA

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 Wilfred A. Sanderson

Address Miller Creek
Missoula, Montana 59801

Date well started June 3, 1967 Sept. 27, 1973
completed June 7, 1967 Sept. 27, 1973

For Administrator's Use
File
GW 1

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

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

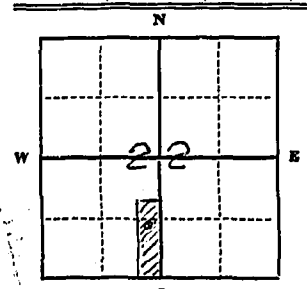
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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"ID	6"ID 17 lb per ft.	6" above g.l.	76½		none	



E. 437'
¼ SW ¼ Sec. 22
T. 12 N S R. 19 E W

Static water level 81 ft.*
Pumping water level 70 ft.*
at 50 gallons per minute,
measured 2 minutes after pumping began.
*Measured from ground level.
Well developed by Air
for 2 hours.
Power Does not pump apply 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 Glenn Camp 549-3411
CAMP WELL DRILLING & PUMP SUPPLY
Driller's Address 1522 S. 14th W., Missoula, Montana 59801

LICENSE NO. 7

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
0	4	Top soil
4	32	Clay, gravel & Broken Rock
32	56½	Water, Gravel, Broken Rock & Some Clay
		Well Deepened
56½	73½	Clay Sand & Gravel (Water)
73½	76½	Gravel (Water)

76½' Show exact depth of bottom

2617 340433

I received and filed this instrument for record on the 15 Nov. 1973 at 11:00 o'clock A M and duly recorded files of Missoula County State of Montana
Witness my hand
Dorothy L. Head, County Recorder
By Mary Shelsley, Deputy
Fee $ 2.00 cash Paid

GW 2

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

File No.....

T. 12N R. 19W 22

DUPLICATE

STATE WATER CONSERVATION BOARD

LOG

JUL 24 1967

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

0 to 4' Top soil
4' to 32' Clay, gravel & broken rock
32' to 56½' Water, gravel, Broken rock & some clay

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)

Well on Miller Creek

Owner Wilfred A. Sanderson or Winifred F. Sanderson Address 4022 S. Ave Male

Driller Glenn Camp 1822 S. 14th Address Missoula, Mont

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

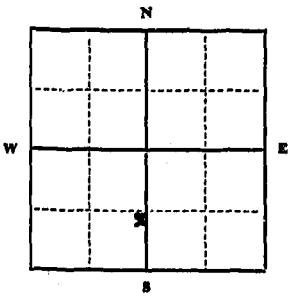
Date well started 6/3/67 Date completed 6/7/67

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"	6" I.D. 17#	2' above G.L.	to 56'-4"	None		



Static Water Level for non-flowing well From top of 32 feet. casing

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

Pumping Water Level 40 feet at 37½ gal. per minute.

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

How Tested Compressor

Length of Test 2½ hours

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

SE¼SW ¼ Sec. 22 T. 12N R. 19W

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

.....(Continue on reverse side)

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

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

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

Licence # 7
Driller's License Number

Glenn Camp
Driller's Signature.

42,163

#1722

262315

I received and filed this Instrument for record on the 10 day of July 1969 at 2:45 o'clock P M. permanent files of Missoula County, State of Montana

Witness my hand:

Doramae R. Croux, County Recorder

By Doretta A. Lanning, Deputy

Fee $ 2.00 Paid

RECEIVED
MAR 25 1974
MONT. DEPT. of NATURAL
RESOURCES & CONSERVATION

Route 5 - Miller Creek Road
Missoula, Montana 59801
March 22, 1974

Montana Department of Natural Resources and Conservation
32 South Ewing
Helena, Montana 59601

Re: Your letter of 3/18/74

Attention: Ralph Saunders

Dear Mr. Saunders:

In accordance with our telephone conversation today regarding our water rights to our well, I am returning to your office your copy (yellow) of our "Notice of Completion of Groundwater Appropriation by Means of a Well", showing the completion dates of both June 7, 1967 and September 27, 1973; and two starting dates of June 3, 1967 and September 27, 1973. I am also enclosing a copy of Mr. Camp's bill showing charges for 21 feet of pipe and 21 feet of 10/3 submersible electrical cable, being indications that the well was deepened approximately 21 feet. Please be advised that a similar notice for the original well was filed with Missoula County Clerk and Recorder on July 10, 1967. We can furnish you with copies if required. The 1967 notice shows a log identical with the log of the 1973 notice for the first 58½ feet.

The reasons for deepening the well in 1973 was caused by the extremely dry weater, creating a water table below which our existing well did not reach. I assume that our well now has a water table that has again reached the range as existed at the time the well was drilled. Our 2-horsepower submersible pump was installed in 1967 at the time of completion of the well. It is capable of pumping approximately 35 gallons per minute and the same pump is still being used. The deepening of the well was not for the purpose of increasing the water production, but was of necessity to obtain any water from the well.

Hopefully, the actions we have taken will not invalidate our water rights which were established in 1967.

Thank you.

Sincerely,

Wilfred A. Sanderson

Wilfred A. Sanderson

CAMP WELL DRILLING & PUMP SUPPLY

1522 SOUTH 14TH STREET — PHONE 406 549-3411

MISSOULA, MONTANA 59801

INVOICE NO. 4008

DATE 10/4 1973

SOLD TO Wilfred Anderson

ADDRESS Rt 5

CITY Missoula Mont.

SHIP TO

ADDRESS

CITY

SALESMAN	CUSTOMER'S ORDER	QUOTATION AS OF	TERMS	F.O.B.

21'	2" Galv Pipe		99				20	79
21'	10/3 S.P. Cable		35				7	36
	Labor to Check & Install Pump						25	00
							53	14
B 53 14 on	Paid by Check No.	1138						
	Nov 13, 1973							
	Thank You							

Service charges on past due accounts at 1% per month on amounts over $100.00, minimum charges $1.00 per month.

Purchase Price $_____ Payable as follows: $_____ Cash with order

$_____ Cash upon shipment, Balance $_____, _____ days from date of shipment, without any deduction for freight, express or exchange charges. Subject to conditions on back of order.

This order has been read by the undersigned and acknowledged to be correct.

Signed_____

Purchaser Sign Here

GW 2

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

File No.....

STATE WATER CONSERVATION BOARD

SEP 27 1966

T. 12 R. 19

DUPLICATE

County Missoula

Bills ..... McDermott .....
Butte ..... Musselshell .....
Coyle ..... Nelson .....
Dawson ..... Sullivan .....
Dickert .....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
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)

0-1	Broken rock fill
1-3	Clay
3-8	Gravel & Sand
8-29	Clay, sand & Gravel
29-48	Sand, Gravel
48-63	Water (less than 3 GPM), Sand and Gravel (tight formation)
63-68	Water, sand and gravel

Owner Betty Sharp Address Miller Creek

Driller Glenn Camp Address 1522 S. 14 th Missoula, Montana

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

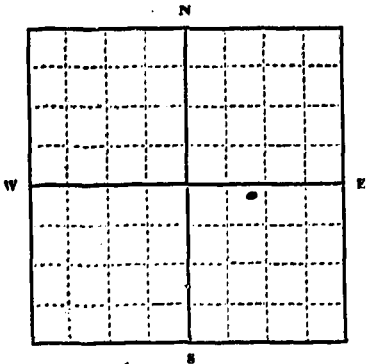
Date well started Sept. 13, 1966 Date Completed Sept. 15, 1966

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6" I.D. 17 lb	0	88' 70'		None	



NW 1/4 SE 1/4 Sec. 22 T. 12 R. 19

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 22' from top of pipe.

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

Pumping Water Level 27 feet at 20 gal. per minute.
5' Draw Down

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

How Tested compressor Length of Test 1 hour

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

License #7
Driller's License Number

Glenn Camp
Driller's Signature Glenn Camp

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.

41,441

55

254145

I received and filed this Instrument for record on the 23 day of Sept. 19 66 at 12:15 o'clock P. M., permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Crouse, County Recorder

By ..... Deputy

Fee $ 2.00 ..... Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—41933

File No.

T 12N R 19W 22

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 30 1965
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.....)

0

2' Sand Top Soil

2'

62' Gravel Clay Boulders

62'

84' Clay Sand Gravel Water

84'

Show exact depth of bottom.

Owner James Sylvester Address Miller Creek

Driller John Farrell Address Arlee Mont

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

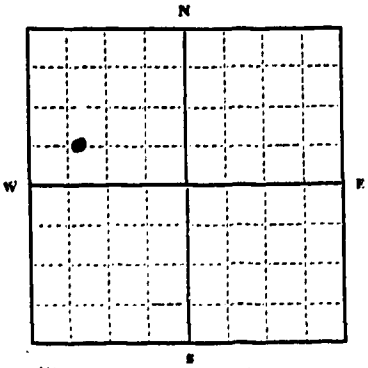
Date well started April 13 1965 Date Completed April 24 1965

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5"	(5" 14½#)	0	84'			



NW¼SW Sec. 22 T 12N R 19W

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

Static Water Level for non-flowing Well 73 feet.

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

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

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

How Tested Pump Length of Test 3 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).....

14

Driller's License Number

John Farrell

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.

39095

Missoula

James Sylvester

's is is

's

James C. Sylvester

JAMES SYLVESTER

28 April 65

Benjamin Riddel Dana

Missoula, Montana

Nov 9, 66

I received and filed this Instrument for record on the 27 day of Apr 1961 at 10:25 o'clock A.M. Permanent files of Missoula Cty, State of Montana

Witness my hand

Veronice R. Cooper, County Recorder

By Elaine Thomas, Deputy

Fee $ 4.00 Paid cash

23568

copy

1494

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—43642

File No. _____

T 12N R 19W 28

DUPLICATE

County Missoula

FEB 5 1968

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 _____)

To deepen previous well

86-87	Blue Clay, rock
87-98	Broken rock
98-108	Solid rock, little water top of rock
108-113	Rock, water
113-115	Clay, rock

Show exact depth of bottom.

Owner: James C. Sylvester Address: Miller Creek 1822 S. 24th

Driller: Glenn Camp Address: Missoula, Montana

Date of Notice of appropriation of groundwater _____

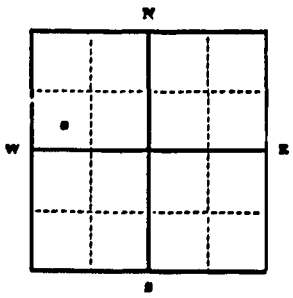
Date well started: January 18, 1968 Date completed: Jan. 18, 1968

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)
8"I.D.	8"I.D. 14 lb per ft.	2' above G.L.	98'	none		



NW 1/4 SW Sec. 22 T 12N R 19W

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

Static Water Level for non-flowing well 78 feet.

20' drawdown

Shut-in Pressure for Flowing Well _____

Pumping Water Level 98 feet

at 6 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested: Test Pump

Length of Test: 8 hours

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.

License # 7

Driller's License Number

Glenn Camp

Driller's Signature. Glenn Camp

42,793

1774

267791

I received and filed this Instrument for record on the 30 day of June 19 68 at 12:20 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

Veramae R. Crouse, County Recorder

By Mary Shelley, Deputy

Fee $ 2.00 Paid

JW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42262

File No.....

T. 12 N R. 19 W 22

DUPLICATE

County MISSOULA

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 17 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater OCT 12, 1964

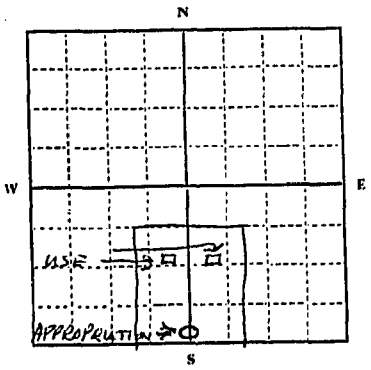
Owner PAUL W WAGES Address 2821 SUNRISE DRIVE,
ALICE M WAGES MISSOULA, MONT

Contractor (if any) NONE

Address of Contractor NONE

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 BY DIVERTING SPRING WATER AROUND POINT AT WHICH IT WENT UNDERGROUND & BY DITCHING & PIPEING TO POINT OF USE.



S/W 1/4 Sec 22 T. 12N R. 19W

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

QUANTITY — 50 GAL PER MIN.
MEASURED BY FILLING 10 GAL CAN IN 5 SECONDS
USE — CONSTANT TO MAINTAIN TWO HOUSEHOLDS & NECESSARY IRRIGATION.

Signature of Owner Paul W. Wages
Alice M. Wages

Date Oct 28, 1964

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.

38663

1457

228428

I received and filed this Instrument for record on the 20 day of Oct 1964 at 1:00 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

Veronica R. Crouse, County Recorder

By Eloise J. Mann, Deputy

Fee $ 2.00 Paid

Helena Independent Record

File No. .....

DUPLICATE

T. 12 R. 19

County Missoula

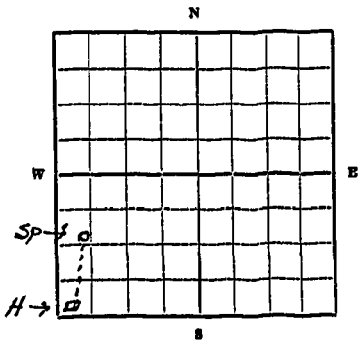
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 4 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elsie Holloman
Inez Holloman, of Rt. 3 Miller Creek Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



W½ SW¼ Sec. 23 T. 12 R. 19

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 Water

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

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 6" Pipe line from Spring to House 1450 feet.

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owners Elsie Holloman
Inez Holloman

Date Mar 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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

4114

#186 copy 204421

I received and filed this instrument for record on the 1st day of April 1983 at 1:30 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BEHNER, County Recorder
By Darlene Keppe Deputy
Fee $ 2.00 Paid

W 3

STATE WATER CONSERVATION BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—42262

24

File No.

JUN 28 1966

T. 12 North 19 West

DUPLICATE

Bille McDermott
Butzerin McNulty
Coyle Sullivan
Dar
Dickert

County Missoula Montana

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 June 23 - 1966

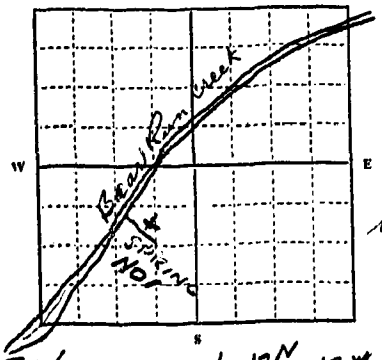
Owner George R Hinkle Address 340 Strand Missoula Mont

Contractor (if any) Owner

Address of Contractor

Date Started June 10 1966 Date Completed June 23 1966

Section 24



S.W. ¼ Sec. 24 T. 12 N R. 19 W

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. Spring marked X No. 1 ditched and cleaned - pipe and Containers used for measuring flow. Spring used for stock water and later to be used for domestic water for Cabin or house

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. Flow of water measured 5 gals in 30 seconds or 600 gals per hour Water to be used for stock water and later for house water year around.

Signature of Owner George R Hinkle

Date June 23 1966

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.

41181

614

251440

I received and filed this instrument for record on the 24 day of June 19 66 at 3:37 o'clock P M., permanent files of Missoula County, State of Montana

Witness my hand:

Veramae H. Crouse, County Recorder

By Joyce Buchanan, Deputy

Fee $2.50 ck. Paid

.W 3 STATE WATER CONSERVATION BOARD Stock Form—State Publishing Co., Helena, Montana—42262

File No. JUN 28 1966 T. 12 N R. 19 WEST

DUPLICATE County MISSOULA

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 June 23 1966

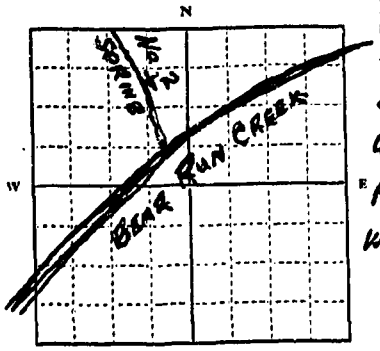
Owner George R Hinkle Address 340 Strand

Contractor (if any) owner

Address of Contractor

Date Started June 10 1966 Date Completed June 23 1966

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. SPRING MARKED X No. 2 ditched AND CLEANED PIPE AND CONTAINER USED FOR MEASURING flow SPRING USED FOR STOCK WATER AND LATER to BE USED FOR WATER FOR DWELLING AND Fish POND



NW ¼ Sec. 24 T. 12N R. 19W

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. Flow of WATER MEASURED 5 gallons in 15 seconds OR 1200 gallons PER hour. WATER to BE USED YEAR AROUND FOR DWELLING - STOCK AND Fish POND

Signature of Owner George R Hinkle

Date June 23rd 1966

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.

41180

#1615

251441

I received and filed this Instrument for record on the 24 day of June 19[illegible] at 3:40 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand

Varamae R. Crouse, County Recorder

By Jeane Bickerstaff, Deputy

Fee $ 2.00 Paid

STATE WATER CONSERVATION BOARD

JUN 28 1966

Approved Stock Form—State Publishing Co., Helena, Montana—262

File No. .....

DUPLICATE

Bille ..... McDermott .....
Butcher ..... McNulty .....
Coyle ..... Morton .....
Darlinton ..... Sullivan .....
Dickert .....

T 12 N R 19 W

County MISSOULA

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)

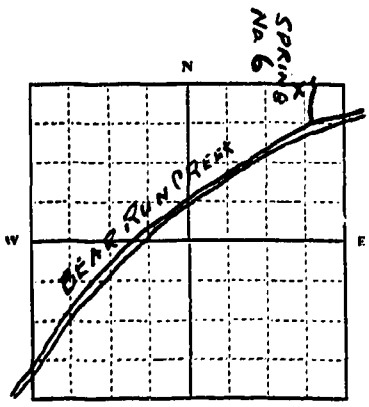
Date of Appropriation of Groundwater JUNE 23 1966

Owner GEORGE R HINKLE Address 340 STRAND MISSOULA MONT.

Contractor (if any) OWNER

Address of Contractor .....

Date Started JUNE 10 1966 Date Completed JUNE 23 1966



NE ¼ Sec 24 T 12 N R 19 W

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 SPRING MARKED X No 6 ditched AND CLEANED Piped to CONTAINER FOR MEASURING flow WATER To BE USED FOR STOCK-fish POND AND DWELLING

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 Flow of WATER MEASURED 10½ gallons PER MINUTE OR 630 gallons per hour WATER to BE USED YEAR AROUND

Signature of Owner George R Hinkle

Date June 23 1966

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.

41179

#1618

I received and filed this instrument for record on the 24 day of June 1966 at 3:42 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

Vencmae R. Crouse, County Recorder

By [illegible], Deputy

Fee $2.00 Paid

JW 3

STATE WATER CONSERVATION BOARD

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

File No. ..... JUN 28 1966

T 12 N R 19 W 24

DUPLICATE

County MISSOULA

Bille ..... McDermott .....
Butcher ..... McNulty .....
Coyle ..... Mo[illegible]
Darlinton ..... Sullivan
Dickert .....

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 JUNE 23 1966

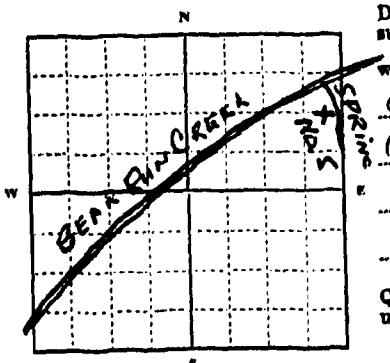
Owner GEORGE R HINKLE Address 340 STRAND MISSOULA MONT.

Contractor (if any) owner

Address of Contractor .....

Date Started JUNE 10 1966 Date Completed JUNE 23 1966

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable SPRING MARKED X NO. 5 ditched and cleaned. Piped to CONTAINER FOR MEASURING flow WATER TO BE USED FOR STOCK-FISH POND AND DWELLING



NE ¼ Sec. 24 T. 12 N R. 19 W

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 Flow of WATER MEASURED 13 GALLONS PER MINUTE OR 780 GALLONS PER hour WATER TO BE USED YEAR AROUND

Signature of Owner George R Hinkle

Date June 23-1966

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.

41178

617

25,443

I received and filed this instrument for record on the 24 day of June 19 66 at 3:45 o'clock P M., permanent files of Missoula County, State of Montana.

Witness my hand:

Vernmae R. Carlisle, County Recorder

By Joyce Beckwith, Deputy

Fee $ 2.00 Paid

SW 3

STATE WATER CONSERVATION BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—42262

File No. ..... JUN 28 1966

12N R 19W 24

DUPLICATE

Bill ..... McDermott

McNulty

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

County MISSOULA

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater JUNE 23 1966

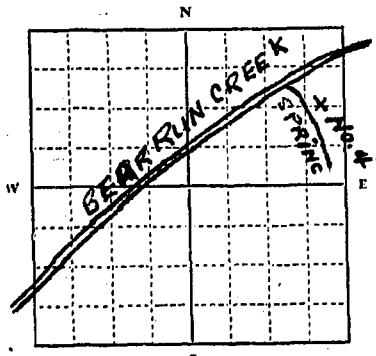
Owner GEORGE R HINKLE Address 3W0 STRAND MISSOULA MONT.

Contractor (if any) OWNER

Address of Contractor .....

Date Started JUNE 10 1966 Date Completed JUNE 23 1966

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable SPRING MARKED X ditched AND CLEANED. Piped to CONTAINER for MEASURING Flow WATER TO BE USED FOR STOCK - fish POND AND DWELLING



NE ¼ Sec. 24 T 12N R 19W

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. Flow of WATER MEASURED 9¾ GALLONS PER MINUTE OR 585 GALLONS PER HOUR. WATER TO BE USED YEAR AROUND.

Signature of Owner George R Hinkle

Date JUNE 23 1966

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.

41177

#1619

251445

I received and filed this instrument for record on the 24 day of June 1966 at 3:50 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

Veronae R. Crouse, County Recorder

By June Bechard, Deputy

Fee $ 2.00 Paid

JW 3

STATE WATER CONSERVATION BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—42262

JUN 28 1966

File No.....

DUPLICATE

Bill ..... McDermott.....
Bill ..... McNally.....
Co. ..... Morton.....
Darlington ..... Phillips
Richard

T. 12 N R. 19 W 24

County MISSOULA

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 June 23 1966

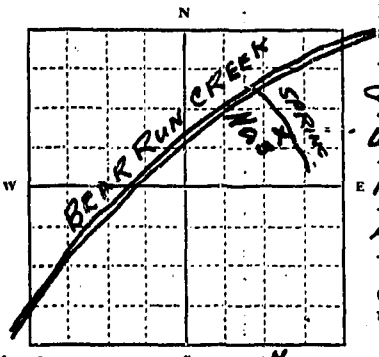
Owner George R Hinkle Address 340 Strand Missoula Montana

Contractor (if any) OWNER

Address of Contractor .....

Date Started JUNE 10 1966 Date Completed JUNE 23 1966

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes" Include depth to water when applicable. SPRING MARKED X No 3 ditched and cleaned. Pipe and container used for measuring flow. Water to be used for stock-fish pond and dwelling.



N.E ¼ Sec. 24 T. 12N R. 19W

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. Flow of WATER MEASURED 5 gallons IN 20 SECONDS OR 900 gallons per hour. WATER to be USED YEAR AROUND.

Signature of Owner George R Hinkle

Date JUNE 23 1966

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.

41176

#1618

I received and filed this instrument for record on the 22 day of June 19 92 at 3:47 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

Vera mae R. Crouse, County Recorder

By Jane Bylenbek Deputy

Fee $ 2.00 Paid

N.E. 14 Sec 14 T 13 N R 19 W

BEAR CLAW CREEK

WATER RIGHTS

TO BE USED FOR YEAR ROUND

DOMESTIC USE IN SOCIETY

OF

MISSOULA, MONTANA

WHEREAS, THE UNDERSIGNED

HAVE NO DIVERSION DAM

OR DIVERTING

BE USED FOR STOCK - FIRE

POND

THE WATERS OF BEAR CLAW CREEK

THEREFORE, THE UNDERSIGNED

HAVE NO DIVERSION DAM

OR DIVERTING

BE USED FOR WATERING

STOCK

JUNE 23 1992

JUNE 23 1992

OWNER

Frank Kirkpatrick

Frank Kirkpatrick

Wilma Kirkpatrick

Wilma Kirkpatrick

Box 53

Missoula, Mt 59801

W122211

14 N 19 W

GW2

File No.....

DUPLICATE

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

T. 12 N R. 20 W 27

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 24 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner J. John Hirning Address Route 3, Missoula ~~Bole~~ Montana

Driller John Farrell Address Arlee Montana

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

Date well started Jan 20 19 64 Date Completed Jan 29 19 64

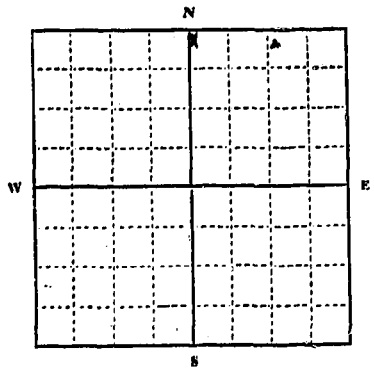
Type of well Drilled (dug, driven, bored or drilled) Equipment Used Churn Drill (Churn, drill, rotary or other)

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.....)	
0	
40'	Clay Broken Rock
40'	
41'	Sand Little Water
41'	
65'	Clay Small Gravel
65'	
72'	Sand Gravel Water
72'	Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	6" 14 97#	0'	72'			



NE ¼ NE Sec. 27 T. 12 R. 20
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 38' feet.

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

Pumping Water Level 60' feet at 40 gal. per minute.

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

How Tested Bailer Length of Test 2Hours

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).....

Used Compressor 3 Hours

14
Driller's License Number

John Farrell
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.

38481

1444

226509

I received and filed this Instrument for record on the 16 day of Sept 1964 at 4:40 o'clock P.M., permanent files of Missoula County, State of Montana

Witness my hand:

Vernon D. Crouse, County Recorder

By Marietta L. Head Deputy

Fee, $ 2.00 Prid

W 3

Approved Stock Form—State Publishing Co., Helena, Montana—42262

File No.....

T 12 N R 19 W 28

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
APR 30 1965
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 4/1/65

Owner Hal Cooney Address Missoula, Montana

Contractor (if any) None

Address of Contractor .....

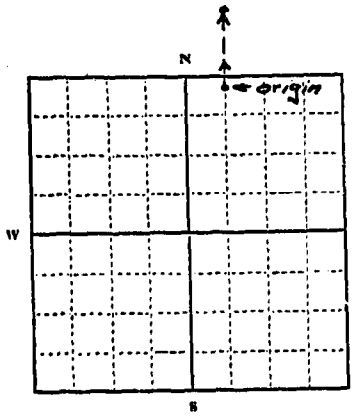
Date Started 4/1/65 Date Completed 4/20/65

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

Water obtained thru seepage into spring box, then piped down steep hill side, To building location on Lots 6 & 7, Section 21, T 12 N R 19 W.

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.

Flow of approximately 3 gallons per minute. Measured into known volume container against time.



NE ¼ of Sec 28 T 12 N R 19 W

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

origin

Signature of ~~Owner~~ Claimant Clem Dahlot

Date 4/21/65

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.

39096

1495 235887

I received and filed this Instrument for record on the 27th day of Apr. 19 60 at 1:30 o'clock P. M., permanent files of Missoula County, State of Montana

Witness my hand:

Vivamae R. Cronin County Recorder

By Vivamae R. Cronin Deputy

Fee $ 2.00 Paid Cash

GW 2

File No.....

DUPLICATE

T 12N R 19W

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964
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.....)

0 to 7' Pit
7' to 26' Clay, gravel and boulder
26' to 46' Clay & big gravel
46' to 55' Clay
55' to 75'-3" Sand, water and gravel

Owner Fred Fite Address 1620 Vickie Dr.

Driller Glenn Camp 703 Alder Address Missoula, Mont

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

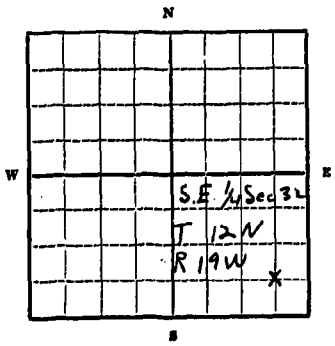
Date well started 4/18/62 Date Completed 4/23/62

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)
5"I.D.	14lb to foot seamless	7½" above pit floor to 65'-3"			none	



S.E. ¼ Sec. 32 T. 12N R. 19W

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

Static Water Level for non-flowing Well 42'-0" feet.

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

Pumping Water Level 46 feet at 6.0 gal. per minute.

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

How Tested Compressor Length of Test 1 hour

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

None

Show exact depth of bottom.

License # 7
Driller's License Number

Glenn Camp
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.

17666

876

215349
Copy

I received and filed this instrument for record on the 21 day of Dec. 1963 at 10:02 o'clock A.M., permanent files of Missoula County, State of Montana

Witness my hand:
MARTIN S. BOHNER County Recorder
By Mary Stephens Deputy
Fee $ 1.00 Paid

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—41933

File No.....

T. 12N R. 19W 35

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 16 1965
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.....)

0 to 3' Top soil

3' to 22' Gravel, sand & clay

22' to 50' Sand & clay

50' to 64' Sand

64' to 77' Heaveing sand water, & clay

77' to 85' Sand, gravel & clay

85' to 93' Clay, sand & gravel

93' to 96' Sand, gravel & water.

Well in Linda Vista

Owner H.S. Jewett Address Missoula, Mont

Driller Glenn Camp 705 Alder Address Missoula, Mont

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

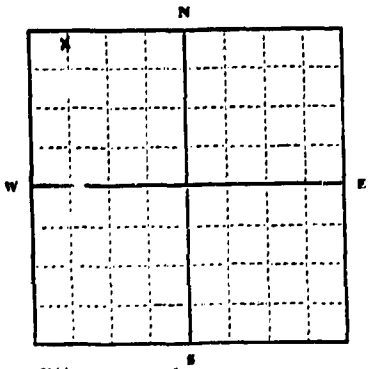
Date well started 5/27/65 Date Completed 5/31/65

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
9"	5" I.D. 14.62 # to ft	1' above G.L.	to 97'-1"	None		



NW 1/4 Sec. 35 T. 12N R. 19W

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

Show exact depth of bottom.

Static Water Level for non-flowing Well 11 feet.

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

Pumping Water Level 21 feet at 60 gal. per minute.

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

How Tested Bailer & Compressor Length of Test 1 hr 25 Min

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) 1/2 @

Licence # 7
Driller's License Number

Glenn Camp
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.

39222