

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

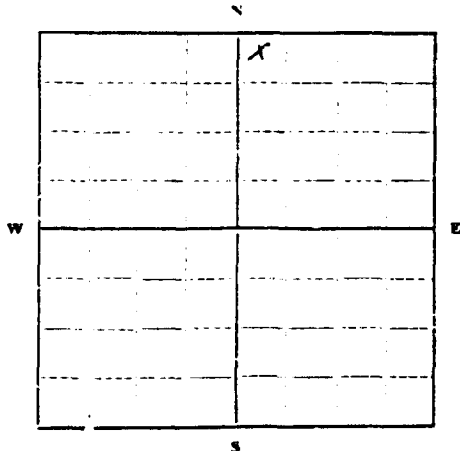
RECEIVED
DEC 17 1963

STATE ENGINEER

1. Charles P. & Florine A. Gassert of Route 2, Missoula, (Name of Appropriator) (Address) (Town)

County of Flathead State of Montana

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



NW 1/4 Sec 23 T28 R22

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Continuously from May 1953 until present time.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 gallons per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. commenced drilling April 15, 1953 completed April 24, 1953

8. The depth of water table. first water encountered at 172 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. total depth 187 feet. 6 inch I.O. casing 10-27 pounds per foot from 0 to 172 feet. 1/2 to 187 open hole

10. The estimated amount of groundwater withdrawn each year. 100,000 gallon

11. The log of formations encountered in the drilling of each well if available. 0 to 69 ft. hard pan and boulders 69 to 140 ft hard pan 140 to 172 decomposed bed rock 172 to 187 shattered bed rock

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

Signature of Owner Charles P. Gassert Florine A. Gassert

Date

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

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

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

9989

RECEIVED
COUNTY OF ...
APR 12 1963
212
G. M.
By [Signature] Deputy

County Flathead

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 Manfred L. and Janice L. Haiges

Address P.O. Box 572

Kalispell, Montana

Date well started 3/3/71

completed 3/8/71

For Administrator's Use

File 4255
MARCH 22, 1971
11:00AM

GW 1

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

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

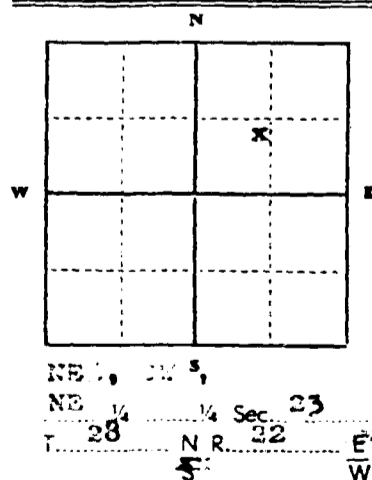
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other Garden/Lawn

*Describe Proposed subdivision

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. 20 Acres

ESTIMATED ANNUAL WITHDRAWAL 3,000,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
10" 8"	6 5/8" x "	0	44			
		+2	92'5"	N	O	N E



Static water level 225 ft.*
Pumping water level 340 ft.*
at 100 gallons per minute,
measured 1/2 hours after pumping
began.

*Measured from ground level.
Well developed by Air Lift
for 4 hours.

Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) Annulus between eight inch casing and ten inch hole filled back toward surface with sand

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

Driller's Signature William F. Salove

Driller's Address 3500 Reserve

Missoula, Montana

LICENSE NO. 22

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) 3550'

From (Feet)	To (Feet)	Description
0	1	Topsoil
1	19	Boulders mixed in tan clay
19	21	Green boulder
21	28	Boulders mixed in tan clay
28	30	Green boulder
30	92	Boulders and cobblestones imbedded in tan clay
92	153	Gray rock
153	172	Green rock
172	174	Tan, brown and green rock in alternate layers
174	248	Green rock
248	298	Green rock, Seeps
298	300	Tan, brown and green rock in thin alternate layers
300	370	Green rock

370' Show exact depth of bottom water rises in the well 225' from surface.

42252

17.255

STATE OF CALIFORNIA
 COUNTY OF LEAVELAND
 Filed on this 27th day of Aug
 A. D. 1971
 at 11:00 A.M.
 by *[Signature]*
 County Clerk and R. Cordeiro
 Deputy

puddled clay. All water entering well from cracks and seams in the rock below 298 feet.

Note: 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 50 to 60 percent of the tested capacity of the aquifer.

File No. _____

T. 28N R. 22W

DUPLICATE

County Flathead

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
Well # 1 Approx.
(Elev. above sea level 3270')

Formations Log:

- 0 - 31 Cobblestones & boulders imbedded in gray silty clay.
- 31 - 102 Light blue-green rock.
- 102 - 111 Tan to brown rock.
- 111 - 120 Blue-gray rock.
- 120 - 126 Green rock.
- 126 - 134 Light blue-green rock.
- 134 - 141 Gray & green rock in thin alternate layers.
- 141 - 182 Light blue-green rock.
- 182 - 184 Green rock.
- 184 - 209 Blue-green & tan rock in thin alternate layers.
- 209 - 264 Dark gray rock.
- 264 - 319 Green rock.
- 319 - 374 Gray & light green rock in thin alternate layers.
- 374 - 401 Dark gray rock.

Owner Harrington & Bibler, Inc. Address Kalispell, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

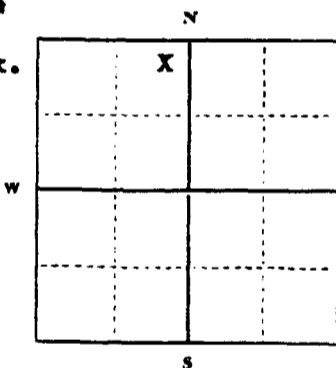
Date well started 8/30/67 Date completed 9/7/67

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 1/2"	+2	41'8"	NONE		



Static Water Level for non-flowing well 63 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 290 feet at 62 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Six hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming from fractures in the rock between 102 - 401 feet. Wells in this area can be depended

NE 1/4 Sec. 23, T. 28N R. 22W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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 (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).

Water rises in the well 63 feet from surface.

Show exact depth of bottom.

Bottom of hole 401'

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. Cabme
Driller's Signature.

2-2-67

less than 25 to 50 percent of the tested capacity of the aquifer.

13046

SS

in the day of Oct
1967 at 1:00 Clock PM

County Clerk and Recorder

[Signature]

23

File No. _____

T. 28N 22W

DUPLICATE

County Flathead

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner: Harrington & Bibler, Inc. Address Kalispell, Montana
Louis A. Bibler, Secretary-Treasurer
Driller: Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 9/16/69 Date completed 9/29/69

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Top of Ground Approx. (Elev. above sea level) 3270'

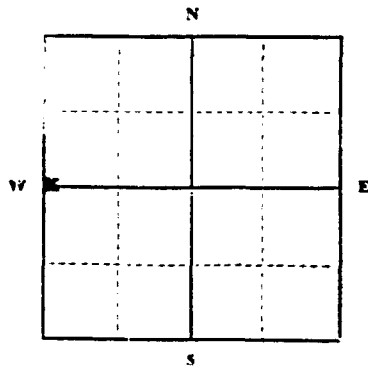
Formations Log:

- 0 - 1 Top soil.
- 1 - 44 Tan clay & cobblestones.
- 44 - 45 Boulder.
- 45 - 59 Tan clay & cobblestones.
- 59 - 64 Tan clay & gravel.
- 64 - 81 Green rock.
- 81 - 83 Broken brown rock.
- 83 - 146 Green rock.
- 146 - 150 Tan & green rock.
- 150 - 198 Green rock.
- 198 - 199 Tan rock.
- 199 - 249 Green rock.
- 249 - 250 Tan rock.
- 250 - 287 Green rock.
- 287 - 289 Broken green rock.
- 289 - 470 Green rock.
- 470 - 471 Broken green rock.
- 471 - 694 Green rock.
- 694 - 725 Gray rock.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8 5/8" OD x 1/4"	2	65			
	6 5/8" OD x 1/4"	206"	269'2"	NONE		

Six inch casing is firmly welded to eight inch casing one foot above grade.

Water rises in the well 68 feet from surface.



Static Water Level for non-flowing well 68 feet.

Shut-in Pressure for Flowing Well Non-f.
Pumping Water Level 238 feet
at 60 gal. per minute.

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

How Tested Air Lift Pump

Length of Test Four hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well from fractures in the rock. 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 25 to 50 percent of the tested capacity of the aquifer.

Sec. 23 T28N R. 22W

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

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).

Approximately 20 feet east of west line and 2,630 feet south of north line of Section 23,

Twp. 28 North Rge. 22 West.

Show exact depth of bottom. Bottom of well 725'


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. Adams
Driller's Signature.

14096

STATE OF MONTANA 1910
COUNTY OF FLATHEAD 33
Filed on the 5th day of Jan
A. D. 1910 at 8:16 o'clock A.M.
By  County Clerk and Recorder
Deputy

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

**NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1962

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

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

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

Owner Tom W. Stokes
Shirley A. Stokes

Address Foys Lake

Kalispell, Montana

Date well started 6/14/72

completed 6/16/72

For Administrator's Use	
File	<u>14-18</u>
	<u>APR 29 1973</u>
GW1	<u>9.55 A.M.</u>

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

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

Water Use: Domestic Municipal Stock Irrigation

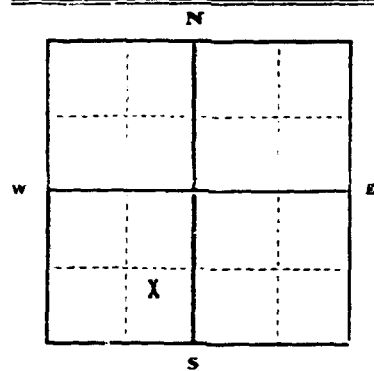
Industrial Drainage Other * Garden/Lawn

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 78,840,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	3 5/8" OD x 1/2"	+2	84' 2"	N	O	N



SE 1/4, SW 1/4, Sec. 23
T. 28 N. R. 22 E

Static water level 27 ft.*
Pumping water level 64 ft.*
at 150 gallons per minute,
measured 90 minutes after pumping began.

*Measured from ground level.
Well developed by air surge
for 4 hours.

Power diesel Pump 150 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through open bottom of 8" casing. Wells in this area can be depended upon to produce clear (CONT.)

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

Driller's Signature Willie Osborne

Driller's Address Willian F. Osborne Liberty Drilling Co.

Kalispell, Montana LICENSE NO. 52

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 Approx. (Elev. above sea level) 3300

From (Feet)	To (Feet)	
0	1	Topsoil
1	26	Cobblestones, tan clay and boulders
26	70	Gravels, tan clay and cobblestones
70	80	Silty gravel 75 gpm
80	85	Gravel 150 gpm

85' Show exact depth of bottom

sand free water as long as they are not overpumped, &c., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

STATE OF MONTANA }
COUNTY OF MURPHY } SS
Filed on the 29 day of Nov
A. D. 1923 at 4:53 o'clock A. M.
MT
County Clerk and Recorder
By 286
Deputy

14,648

File No.

MONTANA WATER RESOURCES BOARD
RECEIVED

JUL 28 1959

T. R.

County.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 4120)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner..... Address.....

Driller..... Address.....

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

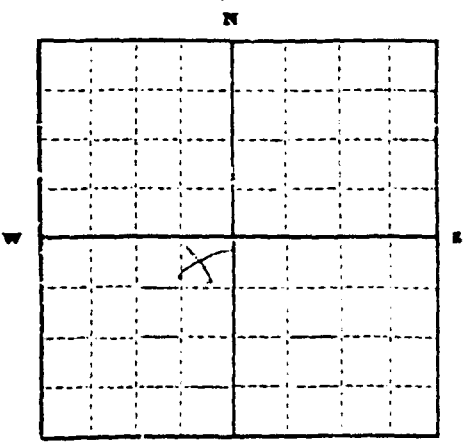
Date well started..... Date Completed.....

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)



SW 1/4 NE Sec. 23 T. 23 R. 22
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..... feet.

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

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

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

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

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

Driller's License Number.....
Harold McClarty
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.

45460

12708

STATE OF MONTANA
COUNTY OF FLATHEAD 35
Filed on the 19 day of June
A. D. 1964 at 9:30 o'clock P. M.
County Clerk and Recorder
By _____
Deputy

T. 22 N. R. 22 W. 23

F. No.

County Blaine

TRIPPLICATE

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
(Elev. above sea level 2784)

100 ft Soil

110 ft Sand - fine

14 ft

150 ft Sand - fine

170 ft Sand - fine

125 ft

180 ft Sand - fine

190 ft Sand - fine

245 ft

200 ft Sand - fine

240 ft

250 ft Sand - fine

255 ft Sand - fine

260 ft Sand - fine

314 ft Rock

257 - 13 ft Sand - fine

Owner Robert O. Wells Address Bozeman, Montana

Driller James McClarty Address 945 - 8th St

Date of Notice of Appropriation of Groundwater

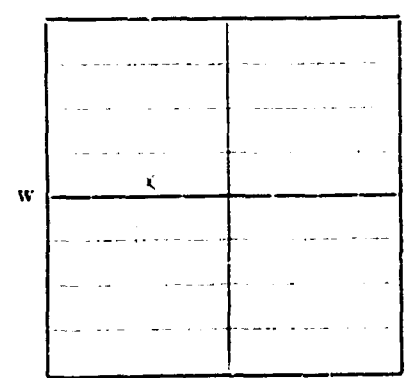
Date well started July 10, 67 Date Completed Aug. 3, 67

Type of well drilled Equipment Used 2 1/2" Rotary
(Churn, drill, rotary or other) 3000

Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7 1/2" dia	2 3/4"	231 1/2'				



SE 1/4 Sec. 23 T22N R22W

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

393 ft Show exact depth of bottom.

Static Water Level for non-flowing Well 70 feet.

Shut-in Pressure for Flowing Well

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

Discharge in gal. per min. of flowing well

How Tested Tester Length of Test 15 hrs

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

Gravel pack - 2 1/2" - 3/8"

18
Driller's License Number
James McClarty
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.

13082

STATE OF MONTANA }
COUNTY OF FLATHEAD } ss

Filed on the 9 day of Jan
A.D. 1968 at 11:20 o'clock A.M

per
County Clerk and Recorder

By [Signature] Deputy

GW File No. _____

T. _____ S. _____ R. _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
Office Of State Engineer

County _____

DUPLICATE

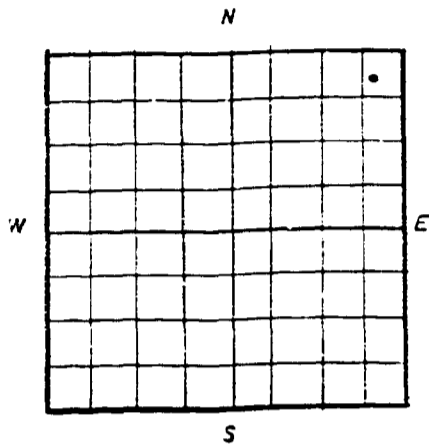
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chap. 237 Mont. Session Laws, 1961)

RECEIVED
DEC 30 1963

STATE ENGINEER

1. RAY A. FISHER, of Route 2 Kaliispell
name of appropriator address town
County of Flathead State of Montana

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



NE 1/4 S 24 T 28N R 22W

indicate point of appropriation & place of use. Each square indicates 10 Acres.

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

Well - Household water supply and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 1958

continuously

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

5. If used for irrigation, give acreage and description of the lands to which water has been applied and name of the owner thereof Owner - Ray A. and Clara E. Fisher

5 Acre site. Well supplies water for household and irrigation of yard and garden, about 2 1/2 acres of the total.

6. The means of withdrawing such water from the ground and location of each well or other means of withdrawal House water system, located approx. 490' E and 185' south of NE corner of S. 24, T 28N R 22W.

7. Date of commencement & completion of construction of well, wells, or other works for withdrawal of groundwater April 1958

8. Depth Of Water Table 21'

9. As it may be available, type, size, depth of each well or general specification of any other works for withdrawal of groundwater The well is a drilled, 6" cased, to a depth of 180'.

10. Estimated amount of groundwater withdrawn each year 500,000 GAL. PER YEAR

11. The log of formations encountered in drilling each well (if available) _____

12. Other information useful in carrying out policy of this act, including Book & Page of any county record _____

Signature Ray Fisher
(owner)

Date December 20, 1963

3 copies to be filed by owner with clerk & recorder in county where well is located. Please answer all questions. If not applicable, so state.

Original to Co. Clerk & Recorder; Duplicate to State Engineer; Triplicate to School of Mines and Quadruplicate for the Appropriator.

12-54

10,100

20
63 241
98m
m)

File No. _____

GW 4

T. 13 R. _____

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

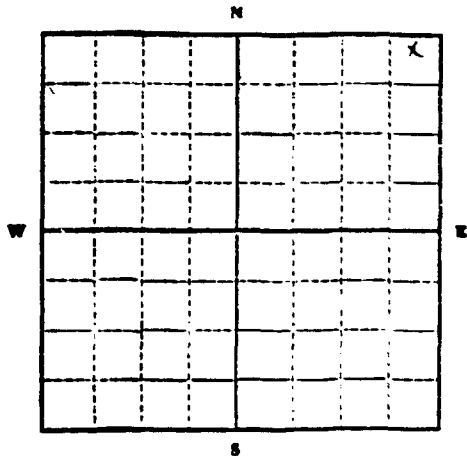
RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Raymond E. Lincoln of Route 2 Kalispell
(Name of Appropriator) (Address) (Town)

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



NE 1/4 of Sec 24 T28N R22W

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
April 1955

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
April 1955

8. The depth of water table.....
Thirty ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
Depth 177 ft.

10. The estimated amount of groundwater withdrawn each year.....
90,000 gal

11. The log of formations encountered in the drilling of each well if available.....
Not available

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

Signature of Owner Raymond E. Lincoln
Date Dec 26 1963

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

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

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

10,393

27 Dec
A 0113 209 P
J E M
204

T. 24 S. R. 22 W. County Flathead

F. No. JUN 6 1966

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



Top of Ground (Elev. above sea level)

0 to 70 ft clay and boulders. 70 to 126 ft water bearing limestone. Total depth 126 feet

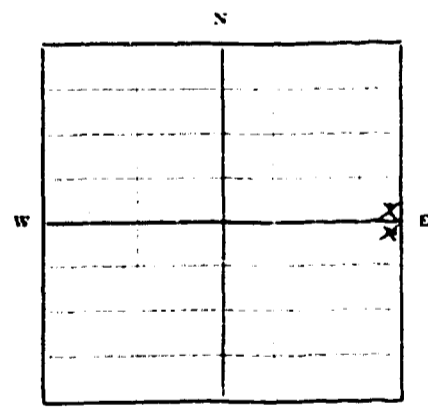
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner William J. Little Address Kalispell Montana Driller Olsen & Justice Address Col. Falls Mont. Date of Notice of Appropriation of Groundwater None filed Date well started April 19 66 Date Completed April 22 66 Type of well Drilled Equipment Used Churn 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.

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)). Handwritten entry: 6 3/8, 7110 23 lbs per ft, 0, 75, none.



NE 1/4 Sec 24 T28N R 22W

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 40 feet. Shut-in Pressure for Flowing Well non flowing Pumping Water Level 106 feet at 7 gal. per minute. Discharge in gal. per min. of flowing well non flowing How Tested Bailor 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)

Driller's License Number 10085 Driller's Signature George J. Justice

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.

12,221

27
10:15
May
A
DBM
Lid

GW File No. _____

T Now

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
Office Of State Engineer

County _____

QUADRUPLICATE

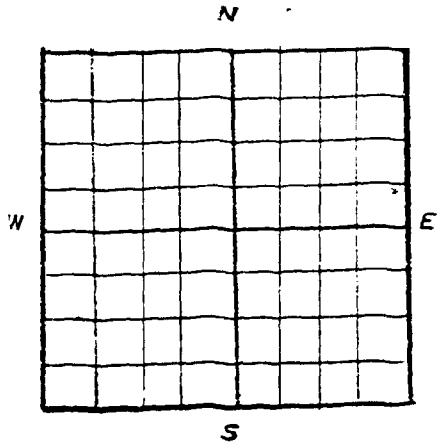
RECEIVED
MAR 14 1963

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chap. 237 Mont. Session Laws, 1961)

STATE ENGINEER

1. William J. Little, of RR2 Valley View Drive Kalispell
name of appropriator address town
County of Flathead State of MONTANA

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



SE 1/4
S 24 T 28 R 22

indicate point of appropriation & place of use. Each square indicates 10 Acres.

2. The beneficial use on which the claim is based Household, Livestock, GARDEN LAWN

3. Date or approximate date of earliest beneficial use; and how continuous the use has been SEPTEMBER 1959
- CONTINUOUS TO THE PRESENT TIME

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 60 gallons per minute

5. If used for irrigation, give acreage and description of the lands to which water has been applied and name of the owner thereof LAWN, SMALL PASTURE (OCCASIONAL)
- 3 ACRES SE 1/4 NE 1/4 S 24 T 28 R 22
OWNER - WILLIAM J. LITTLE

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

7. Date of commencement & completion of construction of well, wells, or other works for withdrawal of groundwater SEPTEMBER 1959 - COMMENCEMENT
NOVEMBER 1959 - COMPLETED

8. Depth Of Water Table 130 feet

9. As it may be available, type, size, depth of each well or general specification of any other works for withdrawal of groundwater 130 feet deep well

10. Estimated amount of groundwater withdrawn each year 500,000 GALLON

11. The log of formations encountered in drilling each well (if available) _____

12. Other information useful in carrying out policy of this act, including Book & Page of any county record _____

Signature William J. Little
(owner)

Date May 1962

3 copies to be filed by owner with clerk & recorder in county where well is located. Please answer all questions. If not applicable, so state.

Original to Co. Clerk & Recorder; Duplicate to State Engineer; Triplicate to School of Mines and Quadruplicate for the Appropriator.

9536

STATE OF MONTANA
COUNTY OF FLAHEAD

Filed on the 15 day of Feb
A.D. 1963 at 10³⁶ Clock A.M

Glenn E. Millhouse
County Clerk and Recorder

By J. J. H.
Deputy

File No.

GW 4

T. 10 R. 24

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

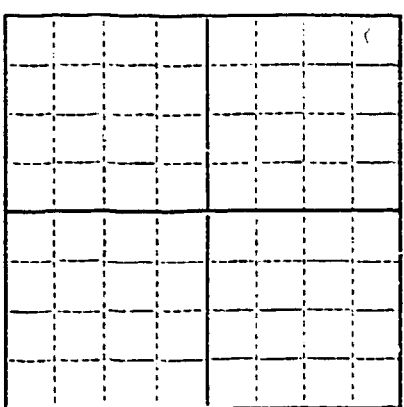
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 6 1964

STATE ENGINEER

1. Sumner and Vera Joanne Redmond of Route 2 Kalispell
(Name of Appropriator) (Address) (Town)

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



NE 1/4 NE 1/4 T-2 -24 -28-22
1/4 Sec. T. R.

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 7, 1950 The well has been in constant use since this date.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 400 Gallons Per Hour

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well started April 28, 1950 finished June 7, 1950. Well is of drilled type using metal casing.

8. The depth of water table 163 Feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is 175 Feet deep of drilled construction using metal casing of 5" diameter pipe.

10. The estimated amount of groundwater withdrawn each year 300,000 Gallons

11. The log of formations encountered in the drilling of each well if available First 40' Sand & Clay from 40' to 65' Cement Gravel from 65' to 110' Boulders 110' to 163' Cement Gravel and Clay 163' to 175' water bearing gravel.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not applicable

Signature of Owner Sumner Redmond

Date December 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

22836

10626

RECORDED COPY OF
DEED OF TRUST
Executed on the 31 day of Dec
1963 at 8⁰⁰ o'clock A.M.
S. C. M.
County Clerk and Recorder
79 L. H.
Deputy

File No.

GW :

T. R. ...

County

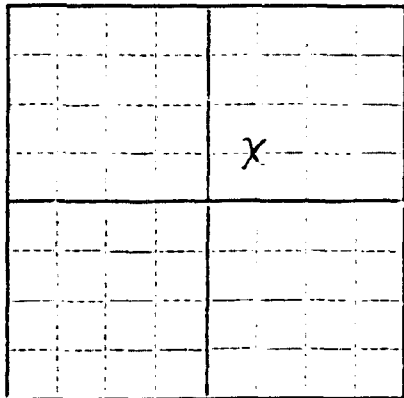
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Paula A. Ross of Route 2 Kalispell
(Name of Appropriator) (Address) (Town)
County of Fitzhugh State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 24 T28 R12

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

2. The beneficial use on which the claim is based Household garden lawn and animals

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Twenty nine years in our use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Tested when pumped 4 1/2 hrs ago 1,000 gal on test.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. The well was on the place when we purchased the place 29 yrs ago, it had been there many yrs

8. The depth of water table. about 20 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 2 1/2 ft deep filled with gravel with a 1 3/4 ft 7-D pipe - 6 ft well pit with pump inside

10. The estimated amount of groundwater withdrawn each year. then 1 hose on garden & lawn part during the day in dry weather have no estimate

11. The log of formations encountered in the drilling of each well if available. Clay and once in a while a strata of blue shale & clay of level

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

Signature of Owner Paula A. Ross

Date 12/29/63

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

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

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

10952

31 dec
63 153 P
Y.E.M.
D.F.N.

GW 3

File No.

ORIGINAL

T 28 N R 22 W

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 8 - 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

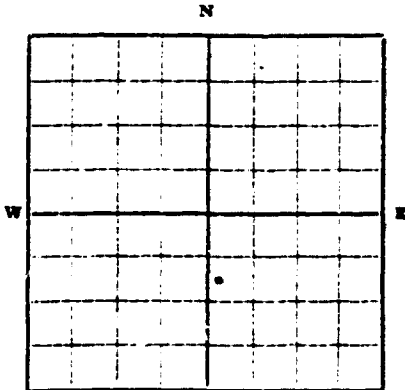
Owner **Lady A. Price** Address **611-3rd Ave. East**

Contractor (if any) **Kane**

Address of Contractor

Date Started **1928** Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. **A natural spring that overflows most of the year, is used mostly for livestock, some dipped out for domestic use about 3 months a year.**



Let 7, T-2
N.E. 1/4 S. 5
1/4 Sec. 26 T. 28 R. 22W

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

This spring is about 500 feet west of section line, south of Pys Lake.

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

Enough for about 30 head of stock and one residence

Signature of Owner *Lady A. Price*

Date

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 School of Mines and Quadruplicate for the Appropriator.

9789

STATE OF MONTANA 25
COUNTY OF FLATHEAD

Filed on the 2 day of July
A.D. 1963 at 1:00 o'clock P.M.

gcm

County Clerk and Recorder

By

JNH

Deputy

GW 3

File No.

T. 28 R. 22

ORIGINAL

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUL 8 - 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

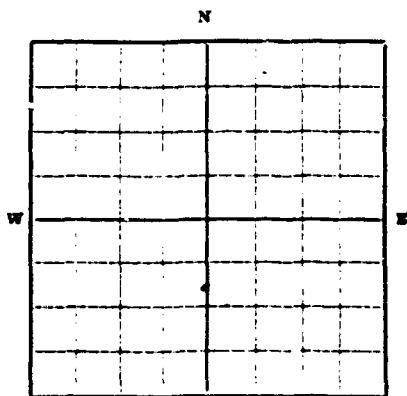
Owner Gladys L. Price Address 611-3rd Ave. West

Contractor (if any) None

Address of Contractor

Date Started 1929 Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. A natural spring that overflows about (6) months per year, the remainder of the year, water is pumped or dipped out for domestic use and live stock.



Lot 7, T-2
N. 3. 1/4 Sec. 26 T. 28 R. 22 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

This spring is used the whole year for one residence.

This spring is about 700 ft. west of section line, near Foy's Lake.

Signature of Owner Gladys L. Price

Date

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 School of Mines and Quadruplicate for the Appropriator.

9796

COURTS OF MONTANA
COUNTY OF FLAHERTY

Filed on the 2 day of July
A. D. 1963 at 3 o'clock P. M.

Gene L. Millhouse
County Clerk and Recorder

BY *J. J. H.* Deputy

File No.

JUL 19 1967

County

QUADRUPLICATE

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)

Owner Address

Driller Address

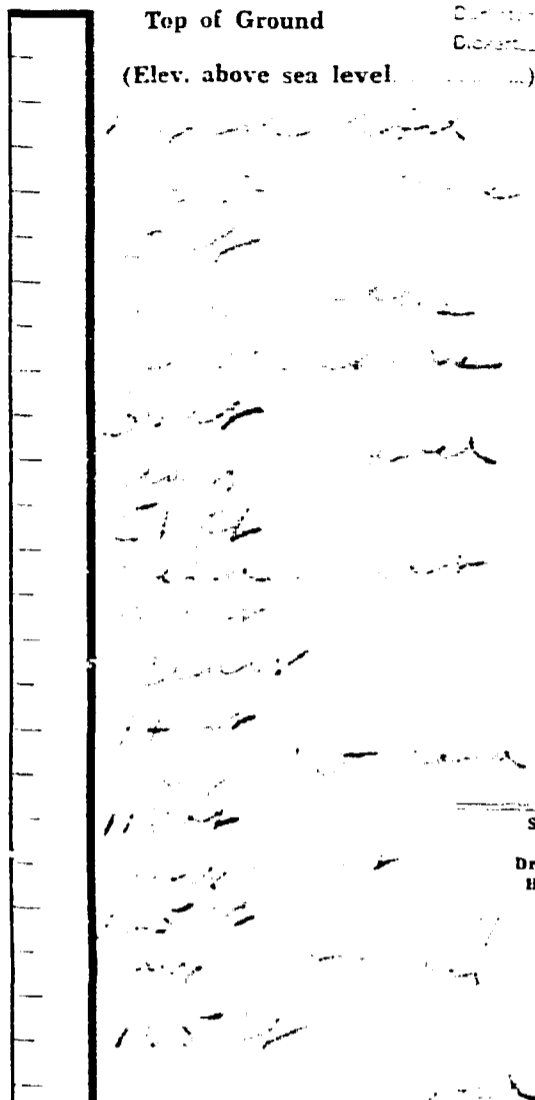
Date of Notice of Appropriation of Groundwater

Date well started Date Completed

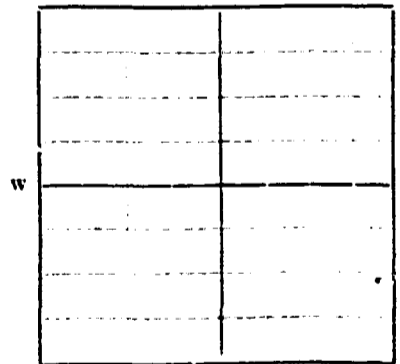
Type of well (dug, driven, bored or drilled) Equipment Used (Churn, drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)



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 25 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 170 feet at gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Length of Test

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

Driller's License Number

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.

Handwritten number 177

12.935

June 15
1967 11:15 P M
Bem
By: [Signature]

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 Gary Tremack
4 Miles Drive
Address Foys Lake
Calispell, Montana
Date well started Nov. 18, 1969
completed Nov. 26, 1969

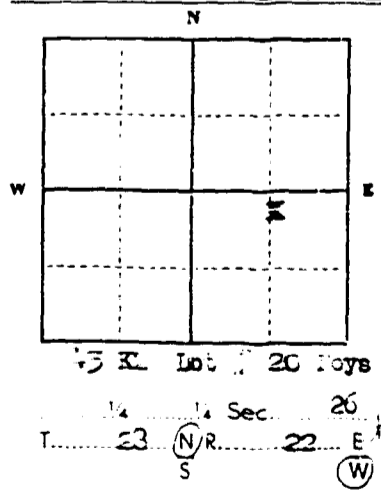
For Administrator's Use
File # 14,454
July 10, 1972 11:35am
GW 1

Type of well Drilled
(Dug, driven, bored or drilled)
Equipment used Air Rotary
(Churn drill, rotary or other)
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other * Garden/Lawn

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

ESTIMATED ANNUAL WITHDRAWAL 9,450,000

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 1/2"	+2	116	NONE		



Static water level 38 ft.*
Pumping water level 138 ft.*
at _____ gallons per minute,
measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by air lift pump
for 38 hours.
Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well from cracks and seams in rock below 175 feet. Wells in this area can be depended upon to

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

Driller's Signature _____
Driller's Address Route 2
Calispell, Montana LICENSE NO. 52

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 approx. (Elev. above sea level) 3310

From (Feet)	To (Feet)	Description
0	3 1/2	Tan clay
3 1/2	5	Blue boulder
5	7	Gravel embedded in tan clay
7	10	Boulder
10	70	Gravel & cobblestone embedded in tan clay
70	73	Clean gravel. Strata too hard to successfully develop well
73	88	Gravel embedded in tan clay
88	115	Fine sand mixed in gray clay
115	171	Tan rock, seeps of water
171	175	Gray rock
175	199	Tan rock, Fractures
199	205	Light gray rock.

205 Show exact depth of bottom water rises in well 38 feet from surface.
50,916

Cont'd
produce clear and free water year after year as long as they are not
overpumped, i.e., they should be pumped at rates not in excess of 60 to 70
percent of the tested capacity of the aquifer.

STATE OF MICHIGAN
COMMISSIONER OF THE TREASURY
Filed on the 12th day of July
A.D. 1972 at 11:20 AM
2677
By _____
Clerk of the Board

14,454

14320

STATE OF MONTANA
COUNTY OF FLAHEAD

Filed on the 2 day of Sept
A. D. 1911 at 12:30 Clocks P. M.

Sam
County Clerk and Recorder

By *Sam*
Deput.

GW 3

File No.

ORIGINAL

T. 20 N R. 22

County Flathead

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 Oct. 15, 1963

Owner Norman L. Watne Address Kalispell, Mont.

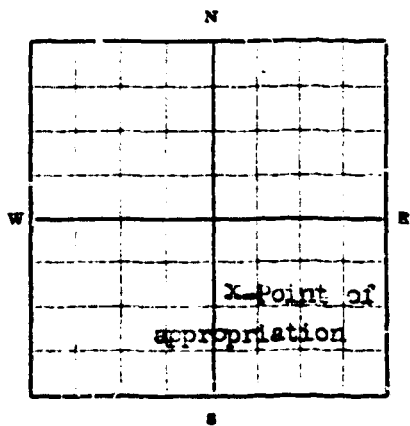
Contractor (if any) None

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. surface spring not developed.

By sub irrigation and other natural processes.



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

tent estimate approximate lengths of periods of use

Sec. 14, 33 Sec. 29 T. 20 R. 22

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

All natural flow of spring for livestock consumption and irrigation on a continuous basis.

Signature of Owner

Norman L. Watne

Marguerite C. Watne

Date Oct. 15, 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 School of Mines and Quadruplicate for the Appropriator.

1894

1894
17
A.S. 63
58 m
m. 2

GW3

File No.

T. 28 ^W R. 22 ^W

ORIGINAL

County Flathead

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 Oct. 15, 1963

Norman L. Watne

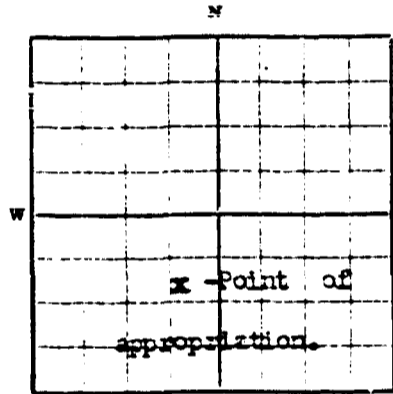
Owner Marguerite J. Watne Address Kalispell, Mont.

Contractor (if any) none

Address of Contractor none

Date Started May, 1962 Date Completed Oct. 1962

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Surface spring has been excavated to a depth of 13 feet - are 24 x 20 and filled with gravel to a depth of 6 feet. Concrete curbs, installed with pipes to point of use.



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

tent estimate approximate lengths of periods of use

All natural flow of spring is used for domestic and livestock consumption and for irrigation. Use continuous.

NE 1/4 Sec. 20 T. 28 R. 22

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

Signature of Owner Norman L. Watne

Marguerite J. Watne
Date Oct. 15, 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 School of Mines and Quadruplicate for the Appropriator.

9895

STATE OF NEW YORK
COUNTY OF HENRICO 53
Filed on the 17th day of Oct
A. D. 1863 at 11¹³ o'clock A. M.
GEM
County Clerk and Recorder
M. J.
Deputy

GW3

File No.

T. 23 N. R. 22

ORIGINAL

County Flathead

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 Oct. 15, 1963

Norman L. Watne

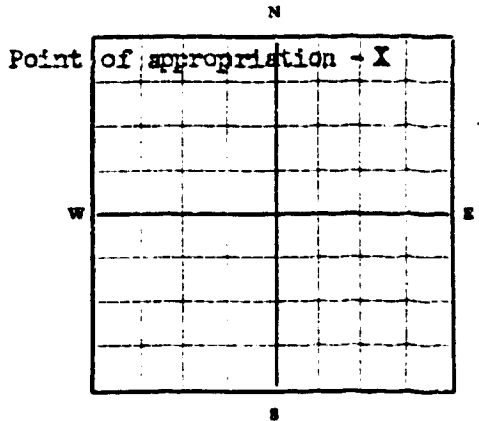
Owner Marguerite C. Watne Address Kalispell, Mont.

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. Surface spring has been dug out to a depth of 6 feet and a wooden curbing installed. Pipe carries water, gravity flow, to point of use.



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

NE. 1/4. NE Sec. 26. T23 R. 22

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

tent estimate approximate lengths of periods of use All
natural flow of spring used for livestock
consumption and for sub-irrigation of adjacent area.
Continuous use.

Signature of Owner Norman L. Watne
Marguerite Watne
Date Oct 15, 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 School of Mines and Quadruplicate for the Appropriator.

9896

FILED IN THE CLERK'S OFFICE
COUNTY OF CALIFORNIA
Filed on the 17th day of Oct.
A.D. 1863 at 11 - o'clock A.M.
GEM
County Clerk and Recorder
By M.J. Deputy

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

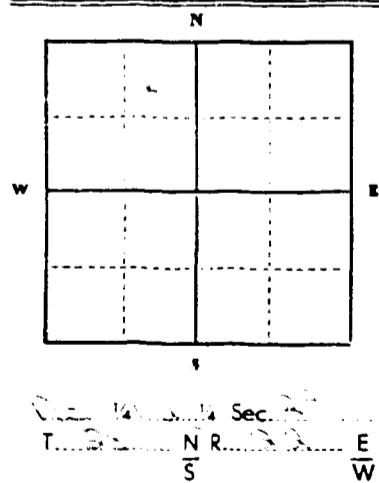
Owner Erwin Brauer
Address 7002 West Kalspell, Mont
Date well started Mar 13/72 completed Apr 27/72
Type of well Drilled
Equipment used 21 W. Buynum-Erie
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other * Garden/Lawn

For Administrator's Use
File 14,426
May 16, 1972 10:10a.m.
GW 1

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7" OD	23#	366'				
5" SD	17#	266'	Rated casing	265'		



Static water level 35 ft.
Pumping water level 255 ft.
at 4 gallons per minute,
measured 8 minutes after pumping began.
*Measured from ground level.
Well developed by Boiler
for 8 hours.
Power 8 Pump 8 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature [Signature]
Driller's Address 945-5th Ave N Kalspell, Mont
LICENSE NO. 18

22W
County Flathead

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)
	2ft Top soil
	Gravel & cobbles
	3ft
	Gravel sand
	color cream
	seepage
	82ft Clay
	with grit
	color brown
	152ft
	Clay, with
	grit, color yellow
	238ft
	Clay, gravel
	color brown
	some water
	310ft
	Hard pan
	color yellow
	410ft
	rock
	color gray
	some
	water
	440ft
	Show exact depth of bottom
	50,417

14,426

STATE OF MONTANA)
COUNTY OF FLATHEAD) SS
Filed on the 16 day of May
A. D. 1922 at 10:10 o'clock AM
YEM
County Clerk and Recorder
By LU
Deputy

TRIPPLICATE

T. 23 N. R. 23 W.

County *Blaine*

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 *Harry K. Riedel* Address *Marion, Mo.*

Driller *Home McClarty* Address *745 S. 4th*

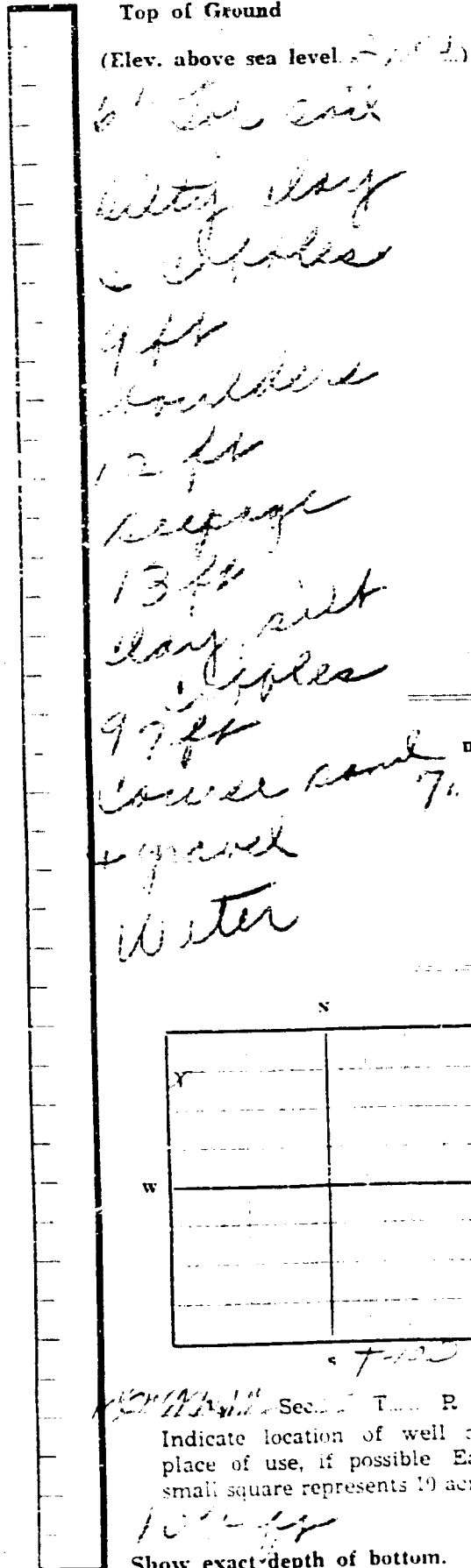
Date of Notice of Appropriation of Groundwater

Date well started *10/1/68* Date Completed *Jan 12/68*

Type of well *Drilled* Equipment Used *2 W. Keegan*
(dug, driven, bored or drilled) (Churn, drill, rotary or other) *etc*

Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7.5"	237E		102'			

Static Water Level for non-flowing Well *33* feet.

Shut-in Pressure for Flowing Well

Pumping Water Level *84* feet at *13* gal. per minute.

Discharge in gal. per min. of flowing well

How Tested *Boiler* 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)

18
Driller's License Number
Home McClarty
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.

43,004

13103

STATE OF MONTANA }
COUNTY OF FLATHEAD } SS
Filed on the 3 day of Jan
A.D. 19 68 at 3:20 o'clock P.M
Pen
County Clerk and Recorder
By [Signature] Deputy

File No.

DUPLICATE

MONTANA WATER RESOURCES BOARD
RECEIVED
OCT 10 1967

T. R. 22
County. Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner: James P. ... Address: ...

Driller: Homer McClarty Address: ...

Date of Notice of Appropriation of Groundwater

Date well started Sept 14, 1967 Date Completed Sept 25, 1967

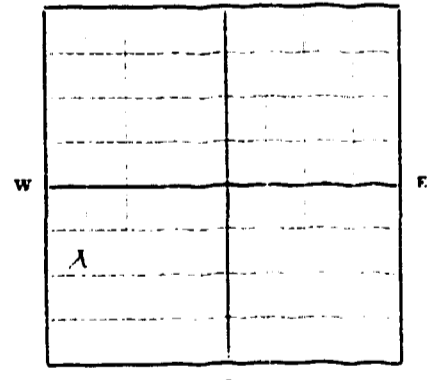
Type of well Drilled Equipment Used 2 1/2" Buegers
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Top of Ground
(Elev. above sea level 2980)
8" soil
Clay shales
gravel
loam
Clay shales
shoulders
35 ft
Clay, cobbles
gravel
10 ft
Silt clay
gravel
16 1/2 ft Clay
gravel & cobbles
Water seepage
2 1/2 ft
7" OD
Sand
gravel
Water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7" OD	2 3/4"		2 1/2			



NW 1/4 Sec 29 T18 R22
Indicate location of well and place of use, if possible. Each small square represents 10 acres.
2-25 ft
Show exact depth of bottom.

Static Water Level for non-flowing Well 18 ft
Shut-in Pressure for Flowing Well

Pumping Water Level 215 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested 3 hrs 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)

18
Driller's License Number
Homer McClarty
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.

42,406

File No.

RECEIVED

T. 28 R. 22

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 2980)

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner James P. Rosen Address Poplar 1152 Kalispell

Driller Homer M. Clarty Address 945 8th Ave W.

Date of Notice of Appropriation of Groundwater

Date well started Sept 14 1967 Date Completed Sept 25/67

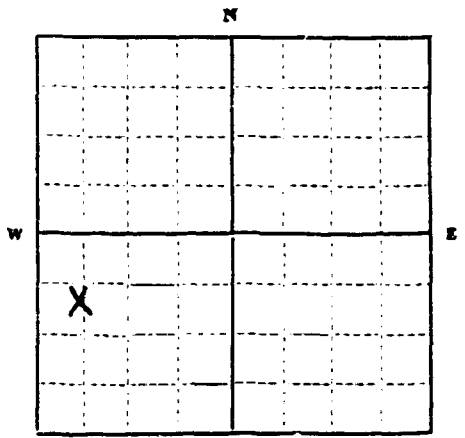
Type of well Drilled Equipment Used 22W Bucyrus
(dug, driven, bored or drilled) (Churn, drill, rotary or other) Die

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.

8" top soil
Clay cobbles and gravel
6 ft
clay & cobbles & boulders
3 1/2 ft
clay & cobbles & gravel
10 1/2 ft
silt clay & gravel
16 1/2 ft Clay gravel & cobbles
water seep
210 ft
sand & gravel
water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7" OD	23#		210'			



NW 1/4 SW 1/4 Sec. 29 T. 28 R. 22

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

225 ft
Show exact depth of bottom.

Static Water Level for non-flowing Well 18 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 215 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailor 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)

18
Driller's License Number
Homer M. Clarty
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.

13028

23 Oct
67 310
RM
J

30

File No.

T. 28N R. 22W

DUPLICATE

County Flathead

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1963

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

Top of Ground
(Elev. above sea level approx. 3550)

Formations Log:

- 0 - 100 Unknown.
- 100 - 112 Gray rock.
- 112 - 122 Tan & gray rock.
- 122 - 139 Gray rock.
- 139 - 144 Tan & gray rock.
- 144 - 222 Gray rock.
- 222 - 229 Tan & gray rock.
- 229 - 281 Gray rock.
- 281 - 292 Tan & gray rock.
- 282 - 302 Gray rock.
- 302 - 303 Tan & brown rock. Water.
- 303 - 310 Gray rock.

Owner Glen M. & Gail P. Herrickson Address Kalispell, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 11/1/69 Date completed 11/4/69

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

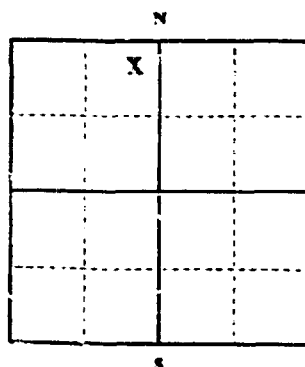
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"		-5	65'	NONE		

Water rises in the well 65 feet from surface.

14685
2
69
a



Static Water Level for non-flowing well 65 feet.
Shut-in Pressure for Flowing Well Non-F
Pumping Water Level 157 feet
at 60 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested Air lift pump
Length of Test Three hours
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through cracks and seams in the rock from 302 to 303 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 tested capacity of the aquifer.

NE 1/4 Sec. 30 T. 28N R. 22W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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.
Bottom of well 310'

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. Libanon
Driller's Signature.

46071

14,085

STATE OF MONTANA
COUNTY OF FLATHEAD

Filed on the 2 day of Dec
A. D. 1969 at 11:30 o'clock A M

367M
County Clerk and Recorder

By M. J.
Deputy

RECEIVED

County Blaine

31

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

DRILLER'S LOG

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

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

This form to be prepared by driller, and three copies to be filed by the 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 Betty Kleinsasser

Address Bellevue

Date well started April 30, 1973
completed 12, 1973

For Administrator's Use
File <u>14-669</u>
<u>April 30, 1973</u>
GW: <u>11-36 R. 111</u>

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

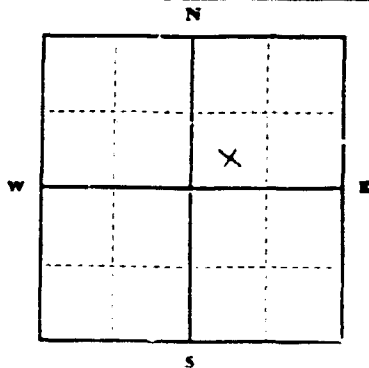
Equipment used Rotary (Churn drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other * Garden/Lawn

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	5" 17	0	351	2.0	300	305
6"	5" 14	351	387			



Static water level 35 ft.*
Pumping water level 30 ft.*
at 5 gallons per minute,
measured 4 minutes after pumping began.
*Measured from ground level.
Well developed by 4 hours.
Power 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Section 14 NE 1/4 Sec 21
T. 22 N. R. 22 E
8 W

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

Driller's Signature [Signature]

Driller's Address [Address]

LICENSE NO. [Number]

Show exact depth of bottom

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	31	Soil & Rock
30	40	Gravel & Shale
40	100	Gravel & Clay
100	140	Gravel & Sand
140	200	Gravel & Clay
200	240	Soil, Clay, & Gravel
240	300	soil Shale
300	380	Trackroad Rock
380	387	Shale

2000

14,669

STATE OF MONTANA }
COUNTY OF FLAHELD } SS
Filed on the 30th day of April
A.D. 1913 at 11¹⁰ o'clock AM
MJ
County Clerk and Recorder
By dp Deputy

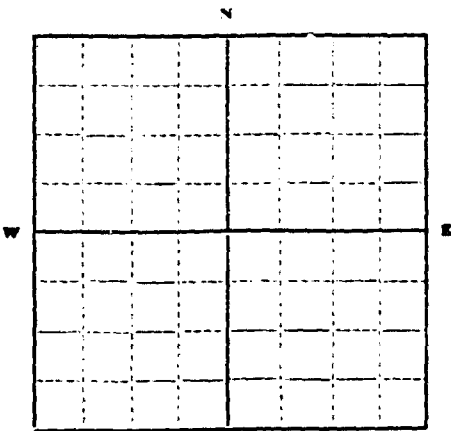
RECEIVED
JAN 6 1964
STATE ENGINEER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Vivian J. Managhan of Route 2, Kalispell,
(Name of Appropriator) (Address) (Town)
County of Flathead State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



E 1/4 NW 1/4, N 1/2 SW 1/4, W 1/2 NW 1/4
..... 1/4 Sec. 32 T. 28 R. 22

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
June 1940 Continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
620 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.....
Watering lawn & garden

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
June 1940

8. The depth of water table.....
100 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
7 inch casing, 120 feet deep

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

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

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

Signature of Owner Vivian J. Managhan

Date December 31, 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.

11050

(31 Dec
95302
Kum

K. H. -

File No. 1-1-1000

T. 28N R. 22W

DUPLICATE

County Flathead

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 May 1, 1967

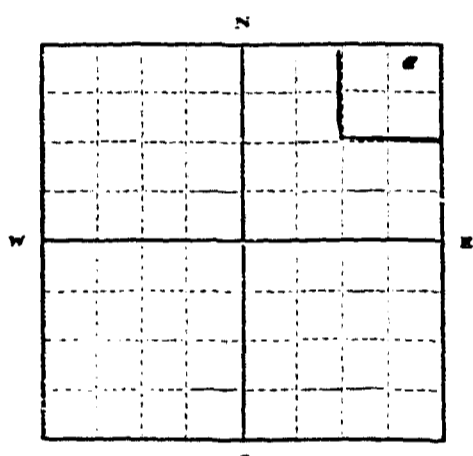
Lessee: Howard Neas
Address Rt. 2, Kalispell, Mont.

Contractor (if any) not applicable

Address of Contractor " "

Date Started 5/1/67 Date Completed 5/1/67

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Dug and cleared out spring and turned in 30 head of cattle on lease which watered from this spring.



NE 1/4 Sec 33 T. 28N R. 22W

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. It will flow about 2500 gal. per 24 hour based upon number of cattle it will water.

Signature of Lessee: Howard Neas

Date: September 29, 1967

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.

43179

15,137

STATE OF MONTANA
COUNTY OF FLATHEAD
Filed on the 13 day of Feb
A. D. 1968 at 10:30 o'clock A. M.
J. M.
County Clerk and Recorder
By M. J.
Deputy

GW 3
WATER RESOURCES BOARD
File No. **RECEIVED**

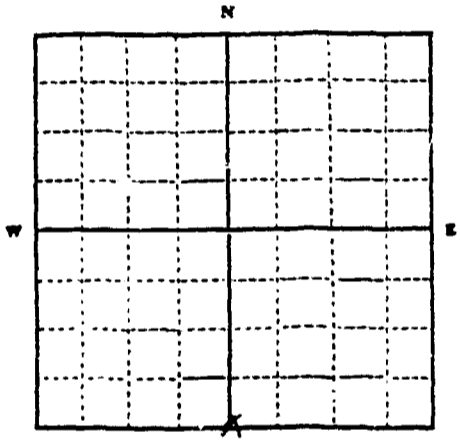
T. R.
County Flathead

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 10/2/1967
Owner Clifford De n Address P.O. Holcomb, Mont.
Contractor (if any) none
Address of Contractor _____
Date Started _____ Date Completed _____



SW 1/4 SW 1/4 SE 1/4 Sec. 34 T. 24 R. 22
Indicate point of appropriation and place of use, if possible.

WATER PIPED TO Sec. 34 - T. 24 R. 22

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

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. not reported

Signature of Owner Clifford De n
Date 10-2-67

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.

13,013

..... SS
Filed on the 2 day of Oct
A. 1967 at 3:45 o'clock P.M
.....
County Clerk and Recorder
.....

T. ^{28^N} R. ^{22^W} 35
County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Notice of Completion of Groundwater Appropriation
Without Well

STATE ENGINEER

Under Chapter 237 Montana Session Laws, 1961

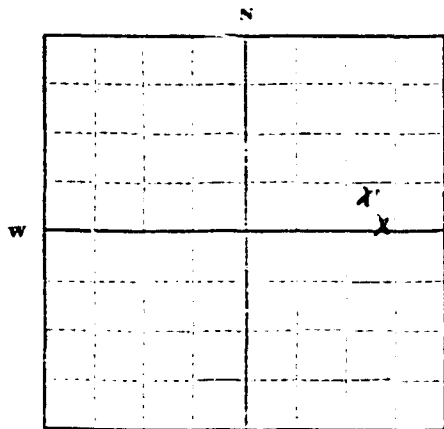
Date of Appropriation of Groundwater June 1, 1963

Owner Juan C. Herron address Warren, Wyo., Cal.

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed _____



SE 1/4 NE 1/4 Sec. 35 T. 28 R. 22

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 sub-irrigated

with two large springs. Springs are approximately 6 ft. sq. and 4 ft. deep. Flow continuously.

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 months

end of the year for irrigation, feed and maintenance of stock.

Signature of Owner Juan C. Herron and Virian Herron

Date 12-27-63

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.