

T. _____ R. _____
County Yates

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

ENGINEER

WATER WELL LOG

Owner South Lewis Address Bigfork
Driller Homer Mc Clarty Address 945 St. A. N
Date Started June 29/59 Date Completed Sept 8/59

Location: Sec. 1 T. 26 N R. 20 W 1/4 sec. N 1/2 SE 1/4 NE 1/4 T. 26 N. R. 20 W.

Type of well drilled Equipment used 2 1/2" solid tool
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other: _____
Casing: 8" ft. to 15 ft ft. Type 2 1/2" Size _____

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

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

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

Type of screen or perforations _____

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

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

Pumping water level _____ feet at 130 ft gal. per min. 1300

How tested: galer

Length of test: 2 hrs.

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

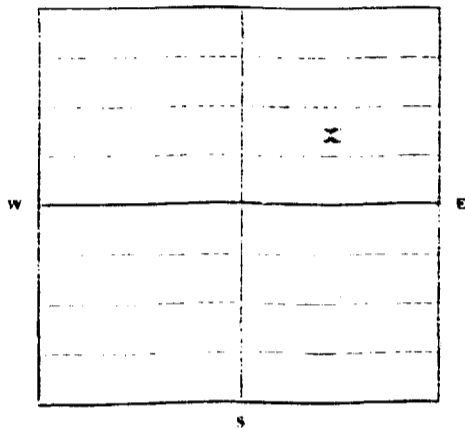
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

Under Chapter 237, Montana Session Laws, 1961)

1. Kenneth George Nails Name of Appropriator
County of Judith State of Montana
Address 1117
(Town)

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



2. The beneficial use on which the claim is based is continuous household and domestic use.

3. Date or approximate date of earliest beneficial use, and how continuous the use has been July 30, 1950
The use has been continuous on a daily need basis.

4. The amount of groundwater claimed in miner's inches or gallons per minute The groundwater claimed is on the basis of 12 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

Lot 1 T. 22 S. R. 20 (Lot 1, T. 22 S. R. 20)

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal deep well could pump 3/4 horse

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater the first - Homer Learty well drilling - commenced drilling on July 22, 1959; completion on September 5, 1959.

8. The depth of water table black porous shale at 130 feet; water raised to 30 foot level upon penetration of shale structure.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other work for the withdrawal of groundwater total depth - 136 feet. 0 to 30 feet - basal till; 30 to 130 feet - sedimentary rock typical of the Mission Range, this being located near the north end of said range. 130 to 135 feet - black porous shale which is the water bearing formation. 3" casing for 35 feet; remainder approximate 2" hole through rock.

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 (also see item 9). Structures in the rock made drilling 11. fault, remaining synclite approximately every 3 feet after encountering solid rock at the 30' 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 Kenneth G. Nails

Date December 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.

If not 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.

10587

130 Dec
03 356
Aem

28 H

File No. _____

T 26 N R 20 W

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Under Chapter 267 Montana Session Laws, 1961)

STATE ENGINEER

Owners

Evert C. Pierce
Wallace B. Pierce
Ronald K. Pierce

Date of Appropriation of Groundwater August 8, 1932

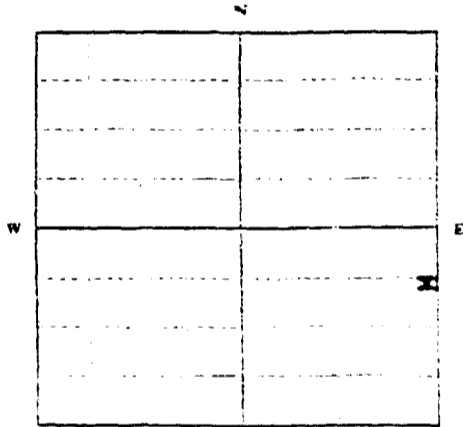
Owner See at left Address Bigfork, Montana

Contractor If any _____

Address of Contractor _____

Date Started _____ Date Completed _____

Describe means of obtaining groundwater without a well "as by surmounting and other natural processes". Include depth to water when applicable. **Natural surface spring.**



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

estimate approximate lengths of periods of use _____

2 inch galvanized pipe used the year around.

NE 1/4 Sec 1 T 26 N R 20 W

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

Evert C. Pierce

Wallace B. Pierce

Ronald K. Pierce

Signature of owner

Date May 5, 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 work 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.

28276

11,409

STATE OF MICHIGAN
COUNTY OF FARMING

Filed on the 7 day of May
A. D. 1964 at 8:20 Clock A. M.

SE 711

County Clerk and Recorder

BY

MT

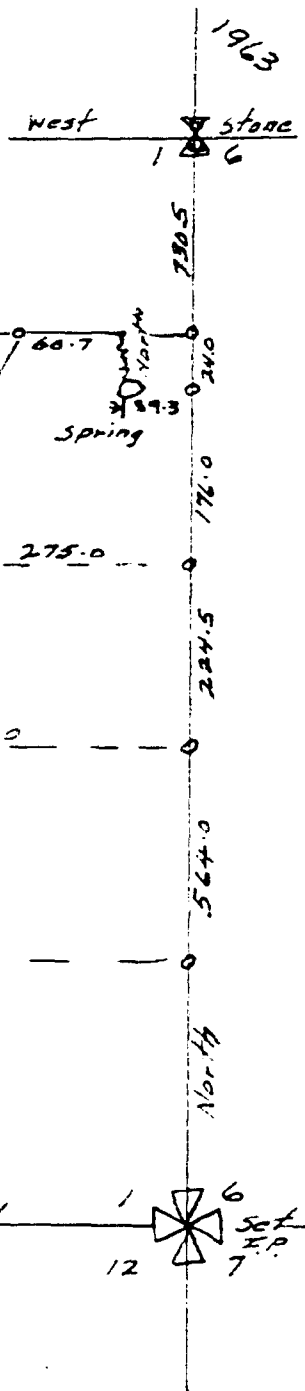
Deputy

County, Me. & S. 5. 1963

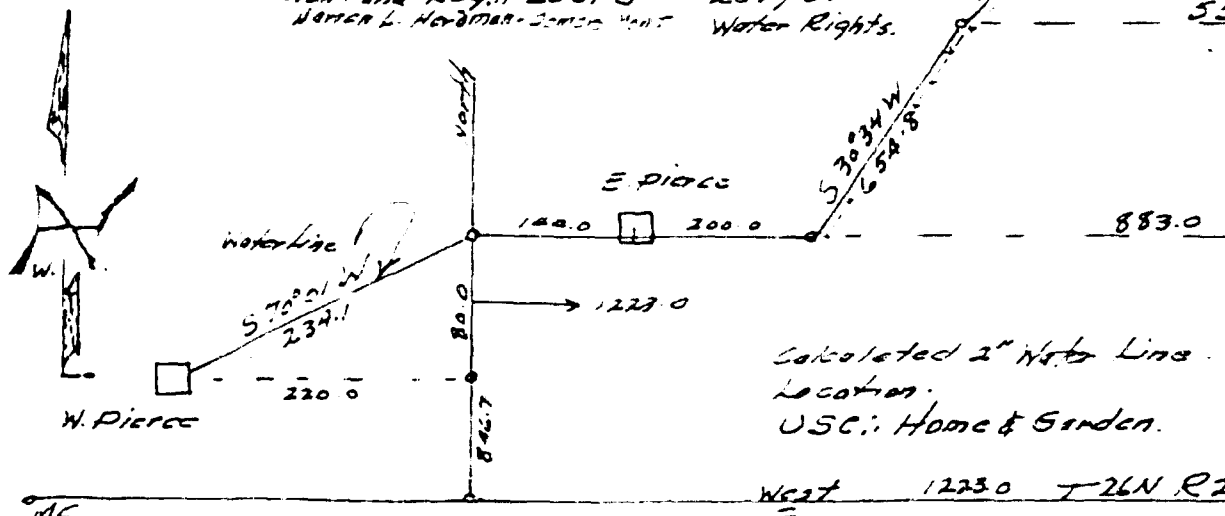
PLAT

Spring as located December 1963
Refer 2071516 Water Rights.

Commencing at 1/4 Cor between Sec. 1E6 T26N R20W. Thence South 754.5 feet. Thence West 39.3 feet to the center of Spring as shown on attached Plat. Which Spring is the point of beginning of 2" Water Line described as follows: Thence North 240 feet. Thence West 60.7 feet. Thence S 41° 20' W 265.0 feet. Thence S 50° 27' W 354.9 feet. Thence S 50° 34' W 654.8 feet. Thence West 200.0 feet to the home of Everett Louise Pierce a Water User of said Spring. Thence West to the East boundary of Wallace Pierce Property a distance of 140.0 feet. Thence S 70° 01' W 234.1 feet to the home of Wallace Pierce a Water User of said Spring.



Lianna J. Hardman
Montana Reg. # 20615 2071516
Norris L. Hardman - owner Water Rights.



Calculated 2" Water Line Location.
USC: Home & Garden.

West 1223.0 T 26N R 20W
S 89° 44' W - Survey - 1963

No-Scale
12-9-63

Swg Party:
Wallace Pierce
Norris L. Hardman

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 Lillian M. Tubb
Address Box 215
Bigfork, Montana 59911
Date well started June 19, 1972
completed June 22, 1972

For Administrator's Use
File 14,464
July 20, 1972 2:43pm
GW 1

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

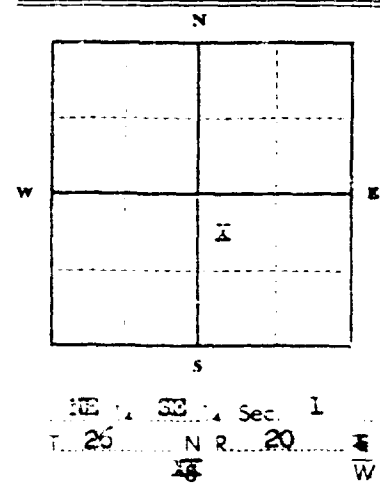
Equipment used Air Rotary
(Churn drill, rotary or other)

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). To irrigate 4 1/2 acres in garden, lawn & trees.

ESTIMATED ANNUAL WITHDRAWAL 15,763,000

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 1/4"	+2'	94'	NONE		



Static water level 96 ft.
Pumping water level 231 ft.
at 30 gallons per minute,
measured 210 minutes after pumping began.
*Measured from ground level.
Well developed by Air Lift Pump
for 5 hours.
Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through cracks and seams below 248 feet. Wells in this area can be depended upon to produce

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

Driller's Signature [Signature]
Driller's Address Route 2
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 3200

From (Feet)	To (Feet)	Description
0	1	Topsoil
1	14	Tan clay, cobbles, boulders and broken rock
14	248	Blue gray rock, 8 GPM
248	252	Green rock
252	257	Purple rock with purple clay, 14 GPM
257	299	Blue gray rock
299	301	Brown rock
301	320	Blue gray rock, 30 GPM

320 Show exact depth of bottom water rises in well 93 feet from surface.

50,982

14464

STATE OF ILLINOIS }
COUNTY OF DEKALB } SS
Filed on the 2nd day of July
A. D. 1922 at 2:20 o'clock P. M.
BY *[Signature]*
County Clerk of DeKalb Co. Ill.

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.

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 Robert L. Dal...

Address ...

Date well started ...
completed ...

For Administrator's Use	
File	
GW 1	

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

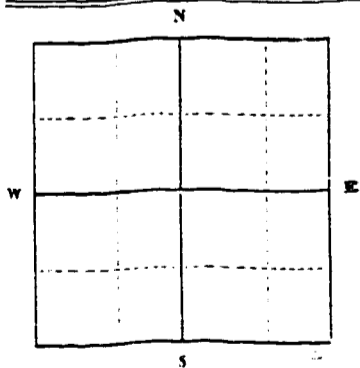
Equipment used ... (Churn drill, rotary or other)

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 Drilling Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
2"	2 1/2"	4'	370'			
2"	2 1/2"	4 1/2'	370'			
2"	2 1/2"	300'	335'	2 1/2"	477' - 510' 3"	



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

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

Driller's Signature ...
Driller's Address ...

LICENSE NO. ...

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
		3050
		3050
0	25	Grey clay, sandstone and shales
25	27	Grey clay
27	29	Grey sand
29	32	Grey sandstone
32	34	Grey sandstone
34	36	Grey sandstone
36	38	Grey sandstone
38	40	Grey sandstone
40	42	Grey sandstone
42	44	Grey sandstone
44	46	Grey sandstone
46	48	Grey sandstone
48	50	Grey sandstone
50	52	Grey sandstone
52	54	Grey sandstone
54	56	Grey sandstone
56	58	Grey sandstone
58	60	Grey sandstone
60	62	Grey sandstone
62	64	Grey sandstone
64	66	Grey sandstone
66	68	Grey sandstone
68	70	Grey sandstone
70	72	Grey sandstone
72	74	Grey sandstone
74	76	Grey sandstone
76	78	Grey sandstone
78	80	Grey sandstone
80	82	Grey sandstone
82	84	Grey sandstone
84	86	Grey sandstone
86	88	Grey sandstone
88	90	Grey sandstone
90	92	Grey sandstone
92	94	Grey sandstone
94	96	Grey sandstone
96	98	Grey sandstone
98	100	Grey sandstone

Show exact depth of bottom

clear sand free water yr 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.

1951 on the 10 day of April
A.P. 1523 at 10 o'clock P.M.
M.I.
Cement (1000 and 1000)
M.I.
M.I.

14657

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner John V. Cooley

Address Box 101
Lakeside, Montana

Date well started 7/14/72

completed 7/19/72

Type of well Drilled

Equipment used Air Rotary

Water Use: Domestic Municipal Stock Irrigation

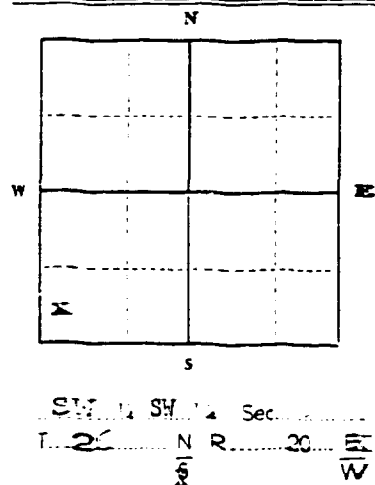
Industrial Drainage Other Garden/Lawn

*Describe Supply domestic water to small lot Sub-Division

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 52,500,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
8"	3 5/8" OD x 1/8" +2'6"		27'2"	NONE		



Static water level 325 ft.
Pumping water level 520 ft.
at 100 gallons per minute,
measured 30 minutes after pumping
began.

*Measured from ground level.
Well developed by Air Lift Pump
for 2 hours.

Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) Wells
in this area can be depeped
upon to produce clear sand
free water year after year
as long as they are not over-

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

Driller's Signature W. J. Cooley

Driller's Address Route 2

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) 3400

From (Feet)	To (Feet)	
0	1	Topsoil
1	12	Tan clay, small boulders
12	29	Gray, green tan and brown rock
29	444	Blue gray and light gray rock
444	510	Blue gray and tan rock. 100 GPM
510	513	Blue gray and tan rock. Some tan clay
513	520	Blue gray and tan rock. Water 100 GPM

520 Show exact depth of bottom water rises in well 325 feet from surface.

51,254

pumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

44 14, 483
STATE OF MICHIGAN 1 88
COUNTY OF FLAINT. AD)
Filed on the 22nd day of Aug
A. D. 19 22 at 4:30 o'clock P. M
J. E. A.
County Clerk and Recorder
By J. E. A. Deputy

File No. H-277
 this 10 day of May
 A.D. 1971
 O'clock P.M.

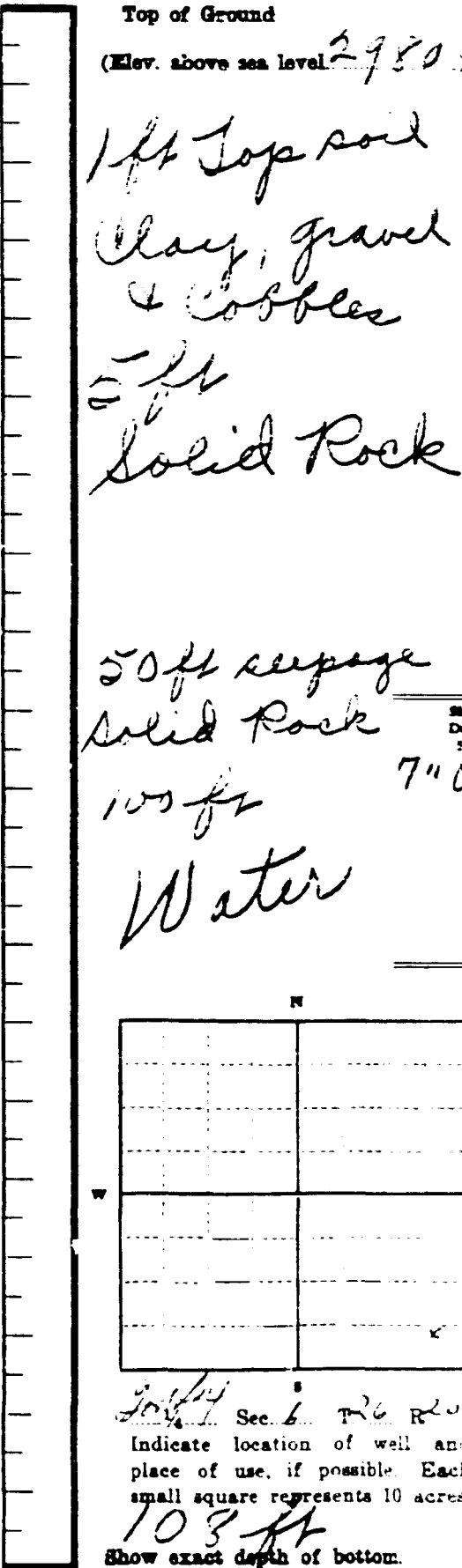
County Blaine
 STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Mabel Fisher Address Phillips
 Driller Homer McCarty Address 945-5th A. N.
 Date of Notice of Appropriation of Groundwater _____
 Date well started Apr 11/71 Date Completed Apr 15/71
 Type of well Drilled Equipment Used 22W Bucyrus Erie
 (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	From (Feet)	To (Feet)
7" OD	23#		10 ft			

Static Water Level for non-flowing Well 35 feet.
 Shut-in Pressure for Flowing Well _____
 Pumping Water Level 84 feet at 28 gal. per minute.
 Discharge in gal. per min. of flowing well _____
 How Tested Bailer Length of Test 4 hrs
 Remarks: Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

103 ft
 Show exact depth of bottom.

18
 Driller's License Number
Homer McCarty
 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

48458

#14,277

PLATEHEAD, SS
on the 10 day of *May*
1971 at 4³⁰ Clock P.M.
[Signature]
County Clerk and Recorder
[Signature]

File No. _____

T 26N R 20W

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)

Top of Ground _____
Approx. (Elev. above sea level 5100')

Formations Log:

- 0 - 2 Black top soil.
- 2 - 15 Shattered gray rock.
- 15 - 66 Gray rock.
- 66 - 68 Tan, brown & gray rock in alternate layers.
- 68 - 78 Dark gray rock.
- 78 - 104 Tan, brown & gray rock.
- 104 - 218 Dark gray rock.
- 213 - 222 Tan & brown rock. Water.
- 222 - 230 Dark gray rock.

Owner Ben Kimes Address Lakeside, Montana

Driller Liberty Drilling Co Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 5/2/69 Date completed 5/8/69

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

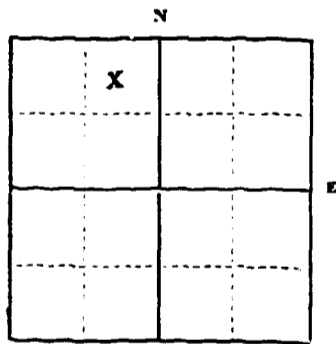
Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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"	6 5/8" OD x 1"	+1	103'3"	NONE		

Water rises in the well
130 feet from surface.

Doc. No. 14,437
Filed for record
this 6th day of June
A. D. 1972, at 2:50
o'clock P.M.



NW Corner of Tract

5MB
NE 1/4 Sec. 5 T.26N R. 20W

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

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

Static Water Level for non-flowing well 130 feet.

Shut-in Pressure for Flowing Well Non-f.
Pumping Water Level 210 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 entering well from cracks & seams in the rock below 218 feet. Wells in this area can be depended upon to produce clear

Show exact depth of bottom.
Bottom of well 230'

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

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

Driller's License Number 52

William F. Babine
Driller's Signature

50,576

#14.439

STATE OF MONTANA)
COUNTY OF FLEETWOOD) SS
Filed on the 6 day of June
A. D. 1927 at 2:30 O'Clock P
G. E. D.
County Clerk and Recorder
By J. A. H.
Deputy

File No. _____

T. 26N R. 20W

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
(Elev. above sea level 3100)

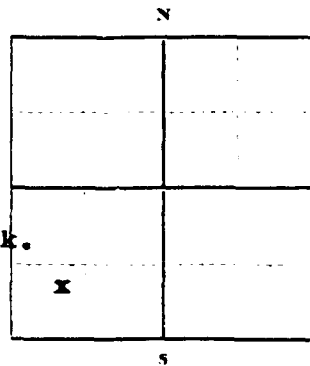
Formations Log:

- 0 - 15 Tan clay mixed in shattered rock.
- 15 - 52 Shattered tan, brown & gray rock.
- 52 - 80 Dark gray rock.
- 80 - 85 Tan, brown & gray rock.
- 85 - 100 Dark gray rock.
- 100 - 103 Tan, brown & gray rock.
- 103 - 122 Dark gray rock.
- 122 - 136 Tan, brown & gray rock.
- 136 - 146 Dark gray rock.
- 146 - 148 Tan, brown & gray rock.
- 148 - 152 Dark gray rock.
- 152 - 156 Tan, brown & gray rock.
- 156 - 166 Dark gray rock.
- 166 - 189 Tan & brown rock.
- 189 - 216 Dark gray rock.
- 216 - 225 Tan & brown rock. Some water.
- 225 - 272 Dark gray rock.
- 272 - 274 Tan & brown rock. 6 GPM
- 274 - 276 Gray rock.
- 276 - 289 Tan & brown rock. 8 GPM
- 289 - 291 Gray rock.
- 291 - 299 Tan & brown rock. 25 GPM
- 299 - 328 1/2 Dark gray rock.
- 328 1/2 - 332 Tan & brown rock. 50 GPM.

Howard D. Redpath
Katherine L. Redpath
Liberty Drilling Co.
Somers, Montana
Missoula, Montana
None filed
3/29/69
4/5/69
Drilled
Air Rotary
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"	7" OD x .231	+2	66	N	O	N E



Static Water Level for non-flowing well
-----195-----feet.
Shut-in Pressure for Flowing Well ~~Non-f~~
Pumping Water Level-----285-----feet
at-----50-----gal. per minute.
Discharge in gal. per min. of flowing well
~~Non-flowing~~
How Tested ~~Air Lift Pump~~
Length of Test ~~Four hour~~
Remarks: (Gravel packing, cementing, packers, type of shutoff) ~~All water entering well from seams in the rock below 272 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 60 to 70 percent of the tested capacity of the aquifer.~~

Water rises in the well
195 feet from surface.

NE 1/4 Sec. 6, T26N, R20W
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

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.

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).

A tract of land lying in Sec. 6, T26N, R20W, MPM, Flathead County, Montana, described as follows:
All of the NW 1/4 and the SW 1/4 of Sec. 6, plus those portions of the NE 1/4 and the SE 1/4, Sec. 6 lying West of the Montana Highway #93 right of way.

Show exact depth of bottom.

Bottom of well 332' +

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 S. Cahoon
Driller's Signature

15590

14029

STATE OF MONTANA
COUNTY OF FLAHEAD, 35
Filed on the 4 day of Aug
A. D. 1919 at 4¹⁰ o'clock P.M.
S.E.M.
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 Cecil C. Franberg

Address Box 79

Leaside, Montana 59922

Date well started 11/3/71

completed 11/8/71

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Air Rotary

(Churn drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation

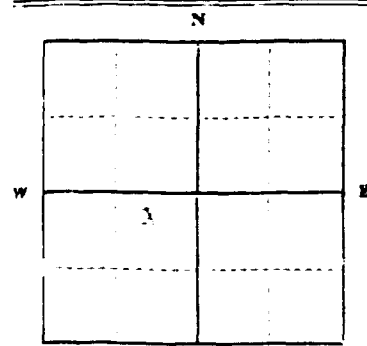
Industrial Drainage Other Garden/Lawn

*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). Approx. 10 acres

ESTIMATED ANNUAL WITHDRAWAL 52,560,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
10"		0	21'1"			
8"	6 5/8" DB x 1/2"	2'	60'2"	N O B B		



Static water level 240 ft.
Pumping water level 290 ft.
at 100 gallons per minute,
measured 150 minutes after pumping
began.

*Measured from ground level.
Well developed by Air Lift Pump
for 3 hours.
Power Diesel Pump 150 HP

Remarks: (Gravel packing, cementing, packers, type of shut-off) rubber packer is attached to bottom of six inch casing. Annulus between six inch casing and eight inch surface pipe is grouted (Con't)

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 10 ACRES.

Driller's Signature

Driller's Address 2500 Reserve

Missoula, Montana 59801

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) 3100'

From (Feet)	To (Feet)	Description
0	2	Topsoil
2	6	Fractured rock with stringers of tan clay
6	12	Tan, brown and dark gray rock in thin alternate layers
12	51	Tan and brown rock
51	73	Tan, brown and gray rock in thin alternate layers
73	105	Dark gray rock
105	184	Gray rock
184	196	Tan and brown rock
196	213	Gray rock
213	304	Tan, brown and gray rock in thin alternate layers
304	312	Gray rock
312	322	Fractured gray rock. Ssp
322	331	Gray rock
331	355	Broken gray rock
355	364	Gray rock.

364' Show exact depth of bottom water rises in well 210' from surface.

(Con't) with five sacks of cement. All water entering well through cracks and seams in the rock below 331 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.

161.328
10/1/55
1204
North of ...
...
...

14603

STATE OF MONTANA }
COUNTY OF FLATHEAD } SS.

Filed on the 23 day of Jan
A. D. 1915 at 3 o'clock P M

W. J.
County Clerk and Recorder

BY E. E.
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 James K. DeWitt

Address Lakeside, Montana 59922

Date well started 10/9/72

completed 10/12/72

Type of well Drilled

Equipment used Air Rotary

Water Use: Domestic Municipal Stock Irrigation

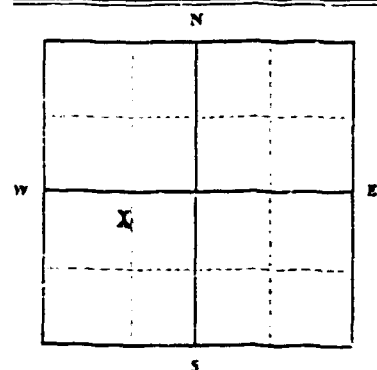
Industrial Drainage Other * Garden/Lawn

*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 26,527,000 gallons

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 1/2" Wall	±1	58'	N	O	N



NW 1/4 SW 1/4 Sec. 7
T. 26 N. R. 20 W.

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

Driller's Signature

Driller's Address LIBERTY DRILLING CO.

KALISPELL, MONTANA 59901

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 2975

From (Feet)	To (Feet)	Description
0	49	Gravel embedded in tan silt
49	57	Tan silty sand & some gravel
57	68	Hard gray rock
68	84	Gray & yellow rock in thin alternate layers
84	159	Gray rock
159	161	Gray & yellow rock in thin alternate layers
161	209	gray rock
209	236	Gray & brown rock in thin alternate layers
236	243	Gray & yellow rock in thin alternate layers
243	261	Gray rock
261	268	Gray & yellow rock
268	284	Gray rock
284	290	Gray & yellow rock
290	329	Gray rock
329	352	Yellow & blue rock in thin alternate layers. Water
352	367	Gray & brown rock. Water

367' Show exact depth of bottom

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 50-60 percent of the tested capacity of the aquifer.

11. 23
12. 11
13. 11
14. 11
15. 11
16. 11
17. 11
18. 11
19. 11
20. 11

File No. _____

T 26N R 20W

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 Paul L. and Mona L. Ellsworth Address Lakeside, Montana

Driller Liberty Drilling Co Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 6/15/70 Date completed 6/16/70

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) 3025'

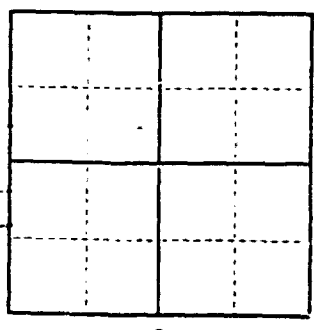
Formations Log:

0 - 1	Topsoil.
1 - 22	Tan clay & gravel.
22 - 24	Blue boulder.
24 - 28	Tan clay with gravel mixed in.
28 - 69	Gray rock.
69 - 80	Brown & gray rock.
80 - 111	Light gray & dark gray rock.
111 - 137	Light gray & tan rock.
137 - 198	Brown & light gray rock.
198 - 228	Dark gray rock. 5 GPM.
228 - 242	Light gray rock. 60 GPM. Total.
242 - 254	Dark gray rock.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
10"	8 5/8	0	32	N	D	N
		1'6"	38'6"			

Water rises in the well 163 feet to surface.

14165
A. D. 22 June 1970
A. D. 19 70 1/16
clock 8



Static Water Level for non-flowing well 163 feet.

Shut-in Pressure for Flowing Well Non-f.

Pumping Water Level 231 feet

at 60 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) Annular space between eight inch OD casing and ten inch hole filled with puddled clay to seal out contaminants. All water entering well from cracks and seams in the rock below 228 feet. Wells in this area

Sec. 7 T26N R20W. Indicate location of well and place of use, if possible. Each small square represents 40 acres.

can be depended upon to produce (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)

30P T-60AC in N1/4 Sec 7, T26N R20W
30P Larchwood Summer Homes 9
30P ALL 10
30P T-60A in Govt lot 2 7-26-20

Show exact depth of bottom. Bottom of well 254'

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 E. Osborne
Driller's Signature.

47276

clear sand free water year after year as long as they are not over-pumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

Note: Supply Domestic, Stock and Irrigation water to approximately 15 lots on 25 acres.

571415
J. J. ...
...
...
...
...

GW3

File No. _____

T. 26N R. 20W

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 JUNE 10, 1943

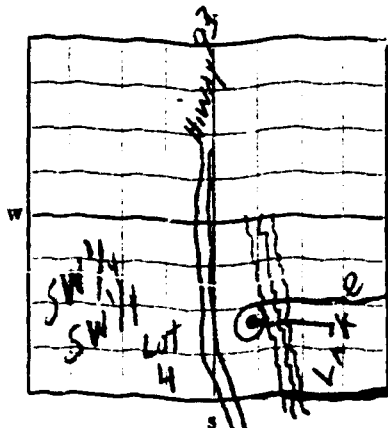
Owner F.D. Hacker Address P.O. Box 1 Lakeside

Contractor (if any) _____

Address of Contractor _____

Date Started MAY 1, 1943 Date Completed JUNE 10, 1943

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. 1 HP Jet Pump - DRAWING FROM 200' OUT IN FLATHEAD LAKE AT LOW WATER & APPROXIMATELY 16' BELOW SURFACE OF FLATHEAD LAKE -



Lot 4 vs. Sec. 7 T26N R20W

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

With Kitchen Facilities +
All With Bath OR
showers

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 APPROXIMATELY 100,000 GAL. PER YEAR CONTINUOUS

FOR 2-2 Bedrooms - 1-3 Bedroom House - Each
With Bath - 10 (1-Bedroom Motel) Units ORIGINAL
With 8 Units Added Since + 1-3 Bedroom House
With 2 Baths - Plus LAWNY ORCHARD WATER FOR 3 ACRES -

Signature of Owner F.D. Hacker

Date January 3, 1962

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.

9097

RECORDED
INDEXED
FEB 18 1897
62 20
J. E. M.
County Clerk and Recorder
BY M. J.
Deputy

GV

File No.

T 26 N R 20 W

DUPLICATE

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

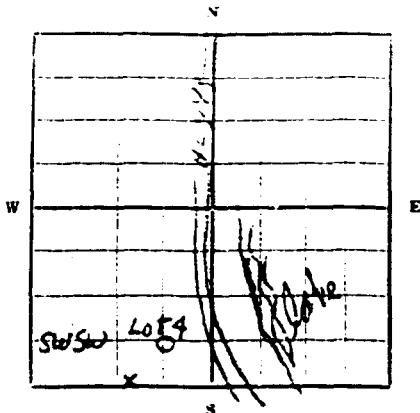
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. R. Donald Hacker of P. O. Box 1 Lakeside
(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:



4054 Sec 7 T26N R 20 W

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

1. The beneficial use in which the claim is based domestic
2. Date or approximate date of earliest beneficial use; and how continuous the use has been July 22, 1954 continuous
3. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gallons per minute
4. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump
6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater commenced 7/22/54 completed 7/22/54
7. The depth of water table 100 ft
8. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5 inch diameter, 50 ft deep
9. The estimated amount of groundwater withdrawn each year 100,000 gallons
10. The log of formations encountered in the drilling of each well if available none
11. 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

R. Donald Hacker

Date

July 22, 1954

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

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

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

7070

STATE OF MONTANA
COUNTY OF FLATHEAD

Filed on the 3 day of Jan
A. D. 19 62 at 3:30 o'clock PM

Alvin E. Bellhouse
County Clerk and Recorder

By Janice Talp
Deputy

T. _____ R. _____
County Butte

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Ed. Smith Address Butte
Driller A. M. Lutz Address Butte
Date Started May 7 Date Completed May 17
Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

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

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

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

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

Type of screen or perforations _____

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

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

Pumping water level _____ feet at _____ gal. per min.

How tested: _____

Length of test _____

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

(over)

File No. _____

GW # _____

T 23N R 26W

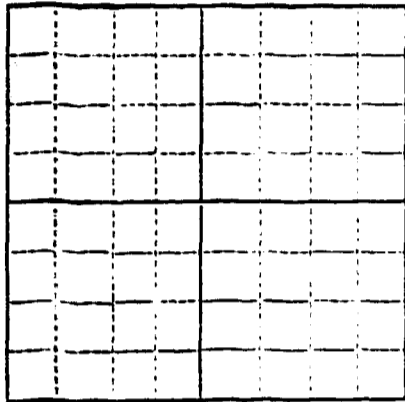
County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

CARL J. KALLDAHL of LAKESIDE
(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:



30 FT - 600 IN SW 1/4 CORNER LOT 2
7 26 20

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

- The beneficial use on which the claim is based... HOUSEHOLD
- Date or approximate date of earliest beneficial use; and how continuous the use has been... JUNE 1956
CONSTANTLY
- The amount of groundwater claimed (in miner's inches or gallons per minute).....
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... ELECTRIC PUMP
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: JUNE 1956
- The depth of water table... 35 FT.
- So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... DRILLED 6 IN. CASING 50 FT DEEP
- The estimated amount of groundwater withdrawn each year... 100,000 GALLONS
- The log of formations encountered in the drilling of each well if available.....
- 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 Carl J. Kalldahl
Date DEC. 30, 1963

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

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

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

216727

10659

31 sec
63 839 a
4877
HSC

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 Edgar W. Lister
Katilda S. Lister

Address Lakeside, Montana 59922

Date well started 11/8/71
completed 11/9/71

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

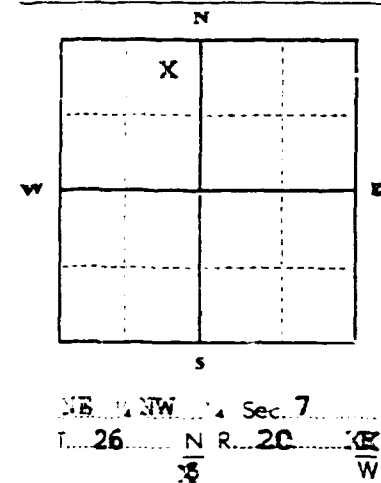
Equipment used Air Rotary
(Churn drill, rotary or other)

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 39,420,000

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 by 1/2"	+2'	43'7"	NONE		



Static water level 21 ft.*
Pumping water level 63 ft.*
at 75 gallons per minute,
measured 120 minutes after pumping
began.
*Measured from ground level.
Well developed by Air Lift Pump
for 2 hours.
Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) Annulus
between eight inch casing
and ten inch hole is back-
filled with puddled clay
and cuttings. All water
(cont)

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

Driller's Signature William G. Cabree

Driller's Address 2500 Reserve

Missoula, Montana 59801 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) 2899'

From (Feet)	To (Feet)	Description
0	27	Tan clay with boulders and gravel mixed in
27	33	Red clay with gravel mixed in
33	42	Gravel imbedded in gray clay
42	64	Gray rock
64	102	Dark gray rock
102	104	Fractured tan, brown, and gray rock in alternate layers.
104	109	Dark gray rock
109	111	Fractured tan, brown and gray rock
111	115	Dark gray rock
115	117	Fractured tan, brown and gray rock
117	126	Dark gray rock

126' Show exact depth of bottom
Water rises in well 21' from
surface.

50,078

(Con't) entering well through cracks and seams in the rock below
102 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.

146 397
STATE OF MISSISSIPPI } ES
COUNTY OF ST. LOUIS }
FILED on this _____ day of _____
A. D. 19__ 2 11 1922 6 11 A.M.

By _____

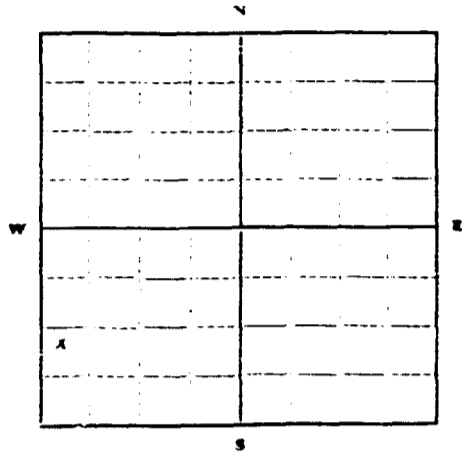
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. CECIL J. STOKES of Box 87 LAKESIDE
(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:



S W 1/4 SW 1/4 Sec. 7 T. 24 N. R. 20 West

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

- 2. The beneficial use on which the claim is based HOUSEHOLD and IRRIGATION
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1949 Continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 1/2 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
8 Acres Pasture
CECIL J. STOKES
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ELECTRIC Pump Well located on lot 39 of Section 24 Lakeside lots

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Not Applicable

8. The depth of water table. 160'

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 size 6" casing
Depth of Well 132'

10. The estimated amount of groundwater withdrawn each year. 150,000 gallons

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

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 Well located on lot 39 of Section 24 Lakeside lots. According to the plat of that there is on file and of Record in the office of the County Clerk and Recorder of Flathead County, Montana.

Signature of Owner Cecil J. Stokes

Date Dec 23rd 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.

10,408

63 ²⁰ 115 ^{acc} a

HE M

JOP.

File No.

GW 4

T. 26 N. R. 20 W.

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Bruce H Walker of Somers,
(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:

T-6DAD in Gtv Lot 2

1/4 Sec. 7 T. 26 N. R. 20 W.

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 June 7, 1958

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 200 gal 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 no irrigation

Owner Bruce H Walker

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 Started drilling Mar. 3, 1958 finished June 7, 1958

8. The depth of water table The well is 190 feet deep, water rises 20 feet from bottom

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled, cased with 7 inch pipe casing to 78 feet, solid rock. (no casing from 78 feet to bottom 190 feet)

10. The estimated amount of groundwater withdrawn each year None since June 1960

11. The log of formations encountered in the drilling of each well if available Boulders, clay and cement gravel to 78 feet, solid rock to 190 feet.

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 Drilled registration No. 165

Signature of Owner Bruce H Walker

Date Dec 23 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.

22608

File N

10,429

RECEIVED
APR 12 1963 12 59
Glenn E. Mulholland
104

RECEIVED

T. _____

County Hottel

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Gene Walker & Anne J Walker Address _____

Driller Henry M. G. Gentry Address Missoula

Date Started March 3/58 Date Completed June 7/58

Location: Sec. _____ T. _____ R. _____ 1/4 sec. _____

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

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

Casing: 7 1/2 ft. to 79 ft. Type _____ Size _____

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

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

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

Type of screen or perforations _____

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

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

Pumping water level 70' feet at 100 GPM gal. per min.

How tested: Surge

Length of test 2 hrs.

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

(over)

File No.

GW:

T26NR 20W 7

County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 2980)

1ft Top soil

30ft boulders
cobblers
&
gravel

75ft red
clay
&
gravel

85ft little
seepage
water

clay
&
gravel

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Fred H. Spencer address Lakeside

Driller Homer McClarty address 945 8th St.
Helena, Mont.

Date of Notice of Appropriation of Groundwater

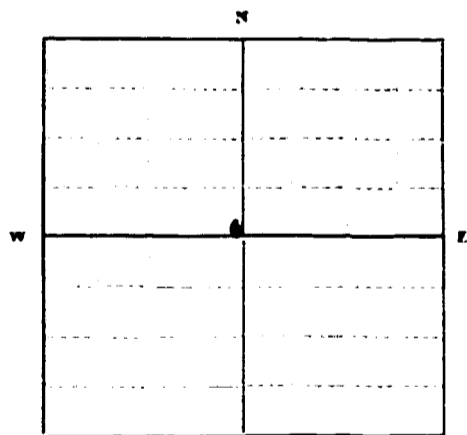
Date well started Sept 22/64 Date Completed Sept 28/64

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casings	From (Feet)	To (Feet)	PERFORATIONS	
				Kind Size	From (Feet) To (Feet)
<u>7" O.D.</u>	<u>23#</u>	<u>10ft</u>			



SE 1/4 NW 1/4 Sec. 7 T26NR 20W

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

105ft water bearing sand & gravel
Show exact depth of bottom.

Static Water Level for non-flowing Well 45 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 90 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer Length of Test 4 hrs

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

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

11,563

6r 13 Nov
1255 p
56m
J. J. J.

File No. *2980*

MONTANA WATER RESOURCES BOARD
RECEIVED GW 2
SEP 1 1967

T. *12*
County *Blaine*

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level *2980*)
Clay
Cobbles
Boulders
22 ft
rock

Notice of Completion of Groundwater Appropriation by Means of Well

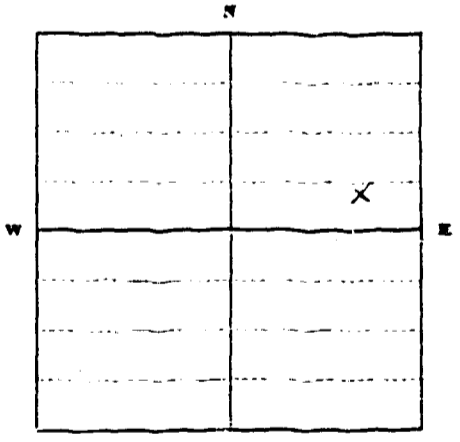
(Under Chapter 237, Montana Session Laws, 1961)

Owner *E. H. Bengtson* Address *Bigfork*
Driller *Homer McClarty* Address *945 1st St N*
Date of Notice of Appropriation of Groundwater *Calispell*
Date well started *June 26/67* Date Completed *July 10/67*
Type of well *Drilled* Equipment Used *22" W. Bengtson*
(dug, driven, bored or drilled) (Churn, drill, rotary or other) *Shie*
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)
<i>7" O.D.</i>	<i>23#</i>		<i>29'-8"</i>			

Water



Section *16* T. *23* R. *12*
Indicate location of well and place of use, if possible. Each small square represents 10 acres.
165 ft
Show exact depth of bottom.

State Water Level for non-flowing Well... *25* feet.
Shut-in Pressure for Flowing Well.....
Pumping Water Level *27* feet at *8 1/2* 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
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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

96d

67 1/2
Aug
1967

T. 26 R. 20 W. 3
County Chouteau

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Ed. R. R. R. Address 1000 W. 11th
Driller W. H. R. R. Address 11th St. N. W.
Date Started 6-12-17 Date Completed 6-21-17
Location: Sec. 2 T. 26 R. 20 W. 1/4 sec. 34

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other: none

Casing: 2 ft. to 10 ft. Type cast Size 4-5
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____

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

Type of screen or perforations: _____

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

Shut-in pressure, for flowing well: _____ lb. sq. in. gn.

Pumping water level: 11.0 feet at 100 gal. per min. 1/17 (date)

How tested: 2 shot

Length of test: 4 hrs.

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

T. _____ R. _____
County Flathead

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Lloyd Payne Address Bigfork, Mont.
Driller James H. Darty Address 945-8th ave.
Date Started Sept 17 Date Completed Sept 21/57
Location: Sec. 12 T. 26 R. 20 sec.

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

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

Casing: 1 1/2 ft. to 163 ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____

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

Type of screen or perforations _____

Static Water level, for non-flowing well: 31 ft. feet.

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

Pumping water level: 180 ft. feet at 280 GPM, gal. per min.

How tested: Packer

Length of test: 3 hrs.

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

F. No.

DUPLICATE

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 Alroy Casper Address Bigfork
Driller James McClarty Address 945-8th A.W.

Date of Notice of Appropriation of Groundwater

Date well started Jan 18/66 Date Completed Feb 22/66

Type of well Drilled Equipment Used 22" Bucyrus Erie
(aug. driven, bored or (Churn, drill, rotary or
drilled) 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.

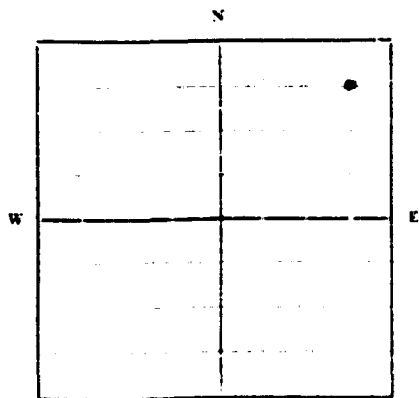
Top of Ground
(Elev. above sea level 2980)

Sand
Gravel
Clay
Cobbles
Boulders
to 107 1/2 ft
seepage
Solid rock
197 ft some
water

298 ft more
water 7" O.D.

405 ft
more water

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
	<u>23 #</u>	<u>107 1/2</u>				



NE 1/4 NE Sec 12 T26 R20

Indicate location of well and place of use, if possible. Each small square represents 1/4 acre.

430 ft
Show exact depth of bottom.

Static Water Level for non-flowing Well 138 feet.

Shut-in Pressure for Flowing Well

Dumping Water Level 42 5 feet at 6 1/2 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer Length of Test 6 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

James M. 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.

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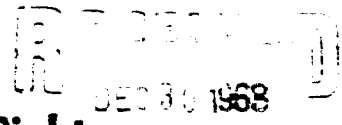
File No. _____

GW: _____

T. _____

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



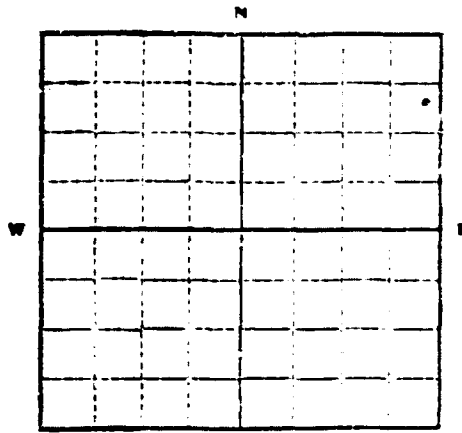
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Alvy B. & Kathleen M. Casper

Highfork

I, Alvy B. & Kathleen M. Casper of Highfork (Town)
County of Blaine State of Montana (Address)
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 12 T. 26 R. 20

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

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

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

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 on which has been applied and name of the owner thereof _____

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

7. The date of commencement and completion of the construction of the well, vent, or other works for withdrawal of groundwater. August 12, 1953 Completed August of 1963

150 feet

8. The depth of water table _____

9. So far as it may be available, the type, size and depth of each well or other works for the withdrawal of groundwater. 150 ft. 7 1/2 in. 20 lb. material, 20 ft. to 27 ft. through a collar of screens 90 ft. per hour determined by bailer

unknown

10. The estimated amount of groundwater withdrawn each year _____

11. The log of formations encountered in the drilling of each well if available. slay cement gravel boulders to depth of 57 feet cement gravel boulders to depth of 136 feet water bearing sand and gravel to depth of 150 feet

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including references to book and page of any county record. None known

Signature of Owner Alvy B Casper
Kathleen M Casper

Date 12-17-63

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.

10,070

19 Dec
63 1002
J & M
LH

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.

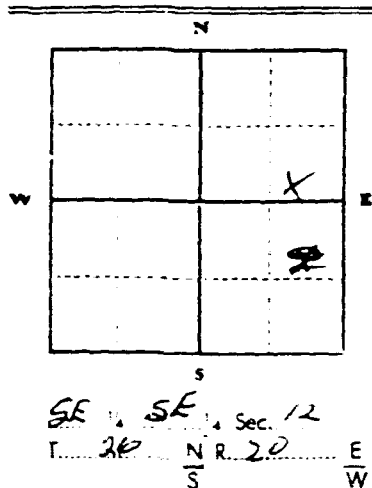
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Robert Gornick
Address East Lakeshore 14, #22
Bigfork, Mont.
Date well started June 22/72 completed July 7/72
Type of well Drilled
Equipment used 2.1 W. Bucyrus-Erie
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	From (Feet)	To (Feet)
7" OD	23#	41 ft				



Static water level 60 ft.*
Pumping water level 6 ft.*
at 6 gallons per minute,
measured 6 minutes after pumping began.
*Measured from ground level.
Well developed by 4 hours.
Power 4 Pump 4 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 Herman M. Darty
Driller's Address 945 8th Ave N
Kalispell, Mont LICENSE NO. 18

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)
	1 ft
	Top soil
	Shale rock
	29 ft
	Rock
	36 ft
	Hard rock
	Water
	137 ft

show exact depth of bottom

14,472

STATE OF MONTANA } SS
COUNTY OF FLATHEAD }

Filed on the 9 day of Aug
A.D. 1922 at 2³⁰ o'clock PM

J. E. M.
County Clerk and Recorder

By J. E. M. Deputy

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

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.

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 Northwest Investors

Address P.O. Box 1267

Missoula, Montana 59801

Date well started 9/19/72

completed 9/25/72

Type of well Drilled

Equipment used Rotary

Water Use: Domestic Municipal Stock Irrigation

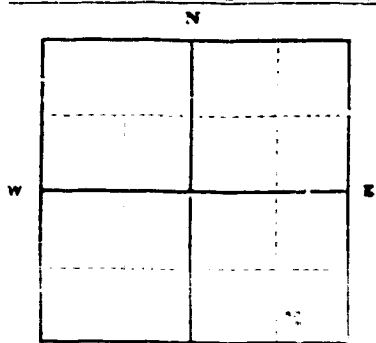
Industrial Drainage Other * Garden/Lawn

*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). 12.25 acres, more or less

ESTIMATED ANNUAL WITHDRAWAL 31,536,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
10"	6" OD	0	10'7"			
		+2'6"	43'11"			



Section 26
Range 20
Township 2

Static water level 45 ft.*
Pumping water level 60 ft.*
at 150 gallons per minute,
measured 15 minutes after pumping
began.

*Measured from ground level.
Well developed by 12 hours
for 3 hours.

Power 2000 Pump 12 HP

Remarks: Gravel packing, cementing,
packers, type of snuffoff, annulus
between six inch casing

slight incrusting is
removed with five sacks
of cement. 11 water
not

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

Driller's Signature [Signature]

Driller's Address 2500

Missoula, Montana 59801 LICENSE NO. 32

Top of Ground 2200 Elev. above sea level 3000'

From (Feet)	To (Feet)	Description
0	1	Topsoil
1	12	Boulders & cobbles mixed in tan clay
12	71	Gray rock
71	95	Gray & green rock in thin alternate layers
95	234	Gray rock
234	367	Gray & green rock in thin alternate layers
367	551	Gray rock
551	575	Tan & gray rock in thin alternate layers. 4 GPM
575	609	Tan, gray & green rock in thin alternate layer
609	669	Green rock 45 GPM
669	678	Green rock 60 GPM Total

678' Show exact depth of bottom
water rises in well 45 feet
from surface.

51,589

entering well through cracks and seams in the rock below 551 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 50 to 60 percent of the tested capacity of the aquifer.

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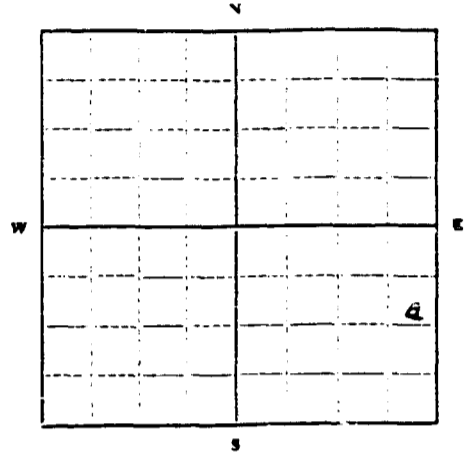
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
JAN 8 1962

Bertha Powell
1. Merle F. Powell of Bigfork
(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:



1/4 Sec. 12, T24N R20W
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 well
and garden
 - 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1949
continuous
 - 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons
 - 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
garden & house - 1 acre
 - 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 1949
 - 8. The depth of water table 10 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 15 ft. dia 4"
 - 10. The estimated amount of groundwater withdrawn each year 150,000 gal.
 - 11. The log of formations encountered in the drilling of each well if available
clay and 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 Bertha Powell
Merle F. Powell
Date 12-30-61

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.