

12,998

STATE OF MICHIGAN
COUNTY OF WASHTENAW SS
Filed on 12 day of Sept
A.D. 1967 at 11 o'clock A.M.
BEM
County Clerk and Recorder
By m.j. Deputy

RECEIVED
SEP 12 1967

STATE WATER CONSERVATION BOARD

GW 3

JUL 19 1967

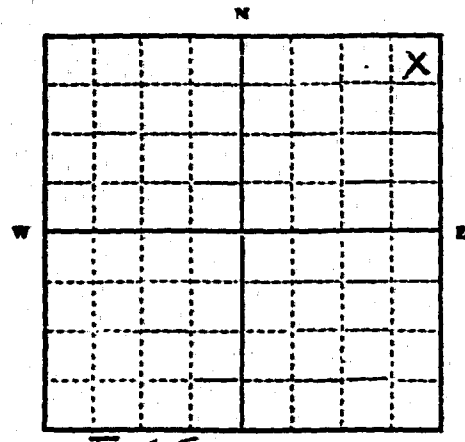
File No. _____
Site _____ S-5 T 30 R 19
Bldg _____
Cont. _____
Dairies _____
Dickers _____
County Flathead

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 15, 1967
Owner JIM HART Address P.O. Box 301 MARTIN CITY, MONT
Contractor (if any) NONE
Address of Contractor NONE
Date Started JUNE 1, 1967 Date Completed JUNE 15, 1967



T-6E-5
NE 1/4 NE Sec. 5 T. 30 R. 19

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. 36" CASING IN A SPRING

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

estimate approximate lengths of periods of use 2000 GALLONS PER HOUR ESTIMATED BY USING A 1600 GALLON PER HOUR PUMP

Signature of Owner Jim M. Hart
Date July 11, 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.

12,950

County of ... 33
Filed on the 11 day of July
1947 at 8:50 o'clock A.M.
S b m
County Clerk and Recorder
Jt

F No. _____

GW 4

T. N 19 W S
County _____

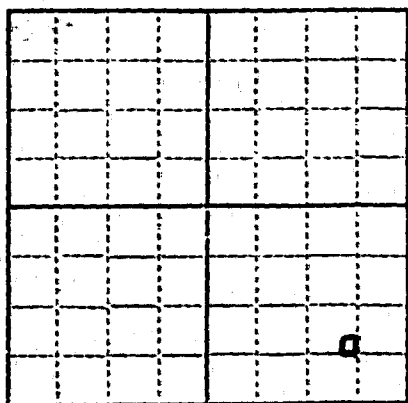
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. James Willows of Box 347 Hungry Horse
(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.E. 1/4 of S.E. 1/4 Sec. 5 T. 30 R. 19

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

2. The beneficial use on which the claim is based Water Well for Community of Hungry Horse, Mont
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well dug in 1948. Served town since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 500 gal. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Dug 6' square - concrete encased well.
2 pumps - 20 H.P. & 60 H.P.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 1948 - June 1948
8. The depth of water table 30 ft. and 130 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.
Six foot square - Concrete Encased Well.
10. The estimated amount of groundwater withdrawn each year 5,000,000 gallons
11. The log of formations encountered in the drilling of each well if available gravel and clay layers then water layer.
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 James Willows
Date Dec 19, 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.

TOWNSHIP OF ... SS
COUNTY OF ...

Filed on the 19 day of Dec
A.D. 1963 at 4:55 o'clock P.M.

R. G. M.
County Clerk and Recorder

37 *D. H.* Deputy

File No. _____

GW 4

70 N 19 W - 6
R
County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

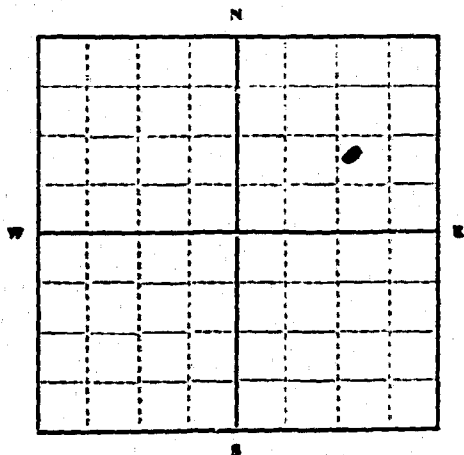
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Wilbur C Schaeffer of MARTIN CITY
(Name of Appropriator) (Address) (Town)

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



SE 1/4 Sec. 6 T. 4 R. 4-30-19

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

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been 1940 the same
for the past 23 yrs.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gpm 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

1/2 acre 6 SE 1/4 NE 1/4 T. 4 - 30 - 19
Wilbur C Schaeffer

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

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

8. The depth of water table 14 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 16 ft deep
any rock steel casing

10. The estimated amount of groundwater withdrawn each year 73,000 gpm

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 not available

Signature of Owner Wilbur C Schaeffer

Date 2-31-63

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.

10739

STATE OF MONTANA
COUNTY OF FLAINDR

Filed on the 31 day of Dec
A.D. 1963 at 10:00 o'clock AM

G.C.M.
County Clerk and Recorder

By *[Signature]* Deputy

RECEIVED

201-192
County Flathead 6

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.

Hungry Horse Development Corp.

Owner Hungry Horse Development Corp.
Address P.O. Box 58
Hungry Horse, Montana
Date well started 8/31/72
completed 9/11/72

For Administrator's Use
File <u>14,690</u>
<u>7/24/1973</u>
GW 1 <u>11:24 P.M.</u>

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

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

Water Use: Domestic Municipal Stock Irrigation

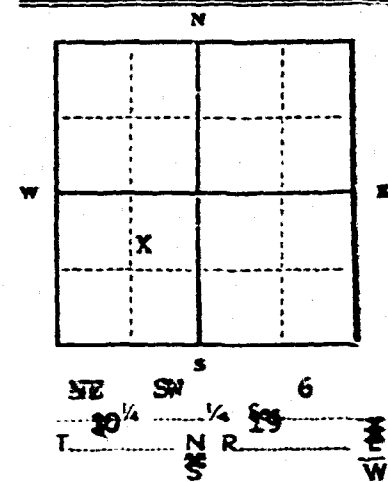
Industrial Drainage Other Garden/Lawn

*Describe Trailer Park

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 315,360,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
10"	8" 40 x 3/4"	Plus 2	309	Slots cut: 576 5/16 by 2 1/2 inch in place with Millis Knife	247	294



Static water level: 22 ft.
Pumping water level 115 ft.
at 500 gallons per minute,
measured 540 minutes after pumping
began.
*Measured from ground level
Well developed by 11 Lift Pump
for 200 hours.
Power Diesel Pump 150 HP
Remarks: (Gravel packing, cementing,
casing type of shutoff)
Water enters the well
through perforations in
the casing from 247 to
309 feet. Water is
some 3

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

Driller's Signature Liberty Drilling Company
Driller's Address Box 93 South
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.

From (Feet)	To (Feet)	Strata
0	1	Topsoil.
1	4	Brownish tan sand
4	36	Sand, gravel and cobbles
36	54	Fine tan and brown silty sand
54	61	Fine gray sand
61	133	Fine gray sand mixed with gray silt
133	164	Fine gray silty sand
164	169	Fine to coarse gray silty sand mixed with some gravel. Water
169	174	Boulders and cobbles mixed with clean gray sand. Water
174	180	Fine gray silty sand mixed with coarse gravel. Water
180	186	Boulders and cobbles mixed with silt, fine sand and gravel. Water
186	188	Fine gray sand mixed with coarse gravel. Water
188	189	Fine gray sand mixed with tan silty gravel. Water
189	196	Fine tan sand mixed in tan silt
196	197	Clean coarse tan sand
197	202	Fine tan sand mixed with tan silt
202	216	Fine tan silt with some sand imbedded
216	217	Clean coarse tan sand
217	234	Fine tan silt with some sand imbedded
234	241	Gravel and cobbles mixed with fine gray sand. Water
241	247	Cobbles and boulders. Water
247	258	Gravel and cobbles. Water
258	260	Clean coarse gravel. Water
260	265	Clean coarse gravel and cobbles. Water
265	267	Clean coarse gravel. Water
267	291	Clean coarse gravel, cobbles and boulders. Water
291	292	Clean coarse gravel. Water
292	309	Clean coarse gravel, cobbles and boulder

Top of Ground 3040'
Water rises in the well 22 feet from surface.

53189

17,690

STATE OF MONTANA }
COUNTY OF FLATHEAD } SS

Filed on the 7th day of *July*
A. D. 1922. at *11* o'clock *A.M.*

By *[Signature]*
Deputy Clerk and Recorder

fine sand and gravel between 164 and 189 feet was not used because of the poor grading of material and the limited amount of water available from this zone. Static water level was 22 feet from surface at completion of development work.

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.

WELLS IN THIS AREA CAN BE DEPENDENT UPON THE PRODUCE CLEAR SAND
FREE WATER YEAR AFTER YEAR SO LONG AS THEY ARE NOT OVER PUMPED,
I.E., THEY SHOULD BE PUMPED AT RATES LESS THAN 25 TO 40
PERCENT OF THE TESTED CAPACITY OF THE AQUIFER.

10592

STATE OF MONTANA }
COUNTY OF FLATHEAD } SS

Filed on the 10th day of August
A. D. 1973 at 11:55 o'clock P. M.

[Signature]
County Clerk and Recorder

[Signature]
Deputy

RECEIVED

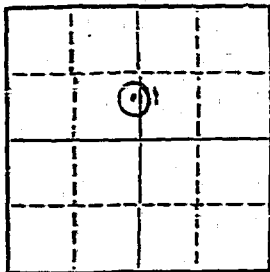
STATE ENGINEER

T. 30 N R. 19 W

County Flathead

MONTANA BUREAU OF MINES AND GEOLOGY
Butte Montana

WATER WELL LOG



Owner Bureau of Reclamation
Hungry Horse Project Address Hungry Horse, Montana

Driller Liberty Drilling & Pump Company Address Route 3, Missoula, Mont.

Date Started October 29, 1957 Date Completed December 4, 1957

Location: Sec. 8 T. 30 N R. 19 W 1/4 sec. NW 1/4

Type of well Drilled (Dug, driven, hor.-d. or drilled) Equipment used Churn drill (Churn drill, rotary, other)

Water use: Domestic Municipal Stock Irrigation

Industrial Drainage Other: _____

Casing: 165 ft. to _____ ft. Type 4 1/2" top to bottom Size 12-3/4" O.D. Welded Joint

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

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

Perforated or Screened: Ft. 30 to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations Johnson, Inc. Araco Trop. treated steel .090 openings

Static Water level, for non-flowing well: 68 ft. feet.

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

Pumping water level 71 ft. feet at 600 gal. per min.

How tested: With pump and gauges

Length of test 4 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
Top of screen, 158'7", bottom of screen, 190'1", total depth of well, 198'3";
back-filled to 190'1" with crushed rock. None of the above used for shut-off.

(over)

F. No. _____

JUL 19 1967

County Glathead

TRIPPLICATE

Bill: _____ Subject: STATE OF MONTANA
 Bureau: _____ ADMINISTRATOR OF GROUNDWATER CODE
 Commission: _____ OFFICE OF STATE ENGINEER
 Division: _____
 District: _____

Notice of Completion of Groundwater Appropriation by Means of Well

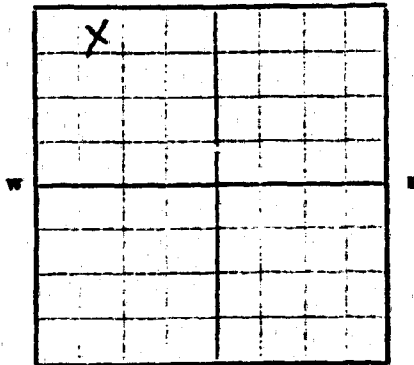
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Walt Little Address: Henry House
 Driller: Olson & Justin Address: Col. Wells Inn
 Date of Notice of Appropriation of Groundwater: None filed
 Date well started: May 16-67 Date Completed: May 19-67
 Type of well: Drilled Equipment Used: Churn
 (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)
 0 to 82 ft
 Coarse gravel
 82 to 83 ft
 Waterbearing
 gravel and
 sand.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 3/8	7" 1100. 23 lbs puff.	0	83	none		



NW 1/4 Sec. 8 T30 R19
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 69 feet.
 Shut-in Pressure for Flowing Well non-flowing
 Pumping Water Level 70 feet at 20 gal. per minute.
 Discharge in gal. per min. of flowing well non-flowing
 How Tested: Bailer Length of Test 2 hrs
 Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

Show exact depth of bottom.

7055
 Driller's License Number
 Dr. Olson & Justin
 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.

12,929

[Faint handwritten notes]

STATE OF MONTANA
COUNTY OF FLATHEAD

Filed on the 9 day of June
A.D. 1967 at 12 o'clock P.M.

JEM
County Clerk and Recorder

By M.J. Deputy

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

X

X

F. No. _____

JUL 19 1967

County Flathead

TRIPPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level)

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

(Under Chapter 237, Montana Session Laws, 1961)

0 to 38 ft Gravel and
cobblestones.
38 to 79 ft Silt
sand and gravel.
79 to 85 ft Waterbearing
gravel and sand.

Owner Frank Spurr Address Hungry Horse Mont.

Driller Olson Justin Address Col. Falls Mont.

Date of Notice of Appropriation of Groundwater none filed

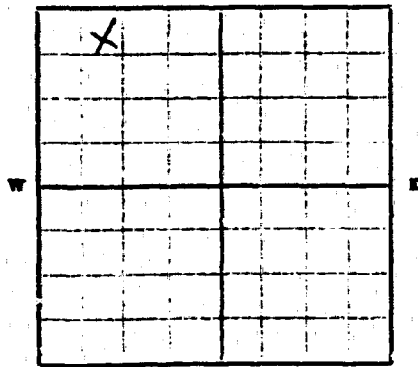
Date well started April 10-67 Date Completed April 17-67

Type of well Drilled Equipment Used Churn
(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	From (Feet)	To (Feet)
6 3/8	7" O.D. 23 lb per ft.	0	85	none		



NW 1/4 NN 1/4 Sec 8 T30 R19

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 72 feet.

Shut-in Pressure for Flowing Well non-flowing

Pumping Water Level 73 feet at 15 gal. per minute.

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

How Tested Galley Length of Test 2 hrs

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

7055
Driller's License Number
Olson Justin
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.

12.913

SEAL OF THE
COUNTY OF FAIRFAX, SS

Filed on the 22 day of May
A. D. 1967 at 4:58 Clock P.M.

[Signature]
County Clerk and Recorder

By [Signature]

X
I hereby certify that the within and foregoing is a true and correct copy of the original as the same appears from the records of the County of Fairfax, Virginia.

[Signature]
[Signature]
[Signature]

[Signature]
[Signature]
[Signature]

T 30N R 19W

8

File No.

County Flathead

DUPLICATE

MONTANA WATER RESOURCES BOARD RECEIVED JAN 20 1970

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)

0 to 68 ft coarse gravel and cobbles

68 to 74 ft gravel and sand

74 to 82 ft gravel and sand deep water

82 to 83 ft water bearing gravel and sand

Owner James Luththead Hungry Horse Mont

Driller Olsen & Gustafson Col. Falls Mont

Date of Notice of Appropriation of Groundwater none filed

Date well started May 19-67 Date Completed May 24-67

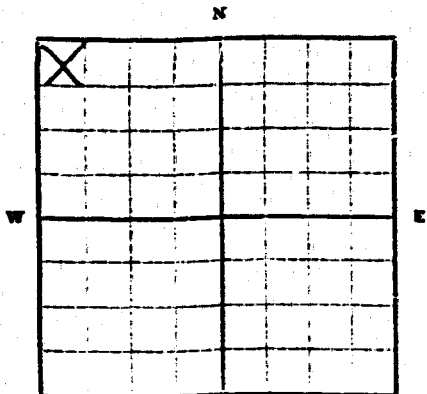
Type of well Drilled Equipment Used Churn

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.

Doc. No. 14098 Filed for record this 9 day of January A. D. 1970 at 5:00 p'clock P.M.

Table with columns: Size of Drilled Hole, Size and Weight of Casing, From (Feet), To (Feet), PERFORATIONS (Kind Size, From (Feet), To (Feet)).



Sec 8 T30N R19W LOT 7 of block 8 Hungry Horse, Montana

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 63 feet

Shut-in Pressure for Flowing Well non-flowing

Pumping Water Level 65 feet at 20 gal. per minute.

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

How Tested Bailers Length of Test 2 hr.

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

Driller's License Number No 55 Driller's Signature Olsen & Gustafson

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.

16067

14,098

STATE OF MONTANA
COUNTY OF FLATHEAD

Filed on the 9 day of Jan
A. D. 1905 at 5 o'clock P. M.

County Clerk and Recorder

By M. J. Deputy

Handwritten notes:
The above is a true and correct copy of the original as shown to me by the County Clerk and Recorder of Flathead County, Montana.

Handwritten notes:
I am a Deputy
County Clerk and Recorder
of Flathead County, Montana
and I have compared the above
with the original and find it
to be a true and correct copy
of the original as shown to me
by the County Clerk and Recorder
of Flathead County, Montana.

Handwritten notes:
A
1905

Handwritten notes:
1905
1905
1905

File No.

T. 20 R. 17

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1948

Owner Nettie O. Greene Address Martin City, Mont.

Contractor (if any) unknown

Address of Contractor unknown

Date Started 1948 Date Completed 1948

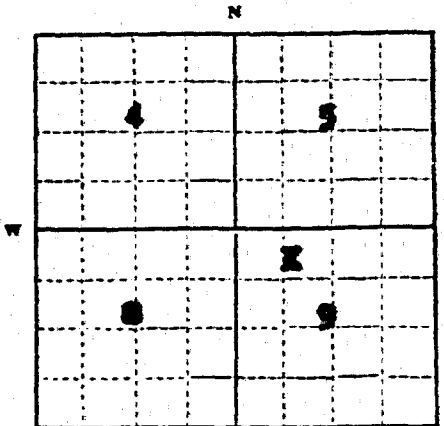
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

Spring Creek Reservoir, Pump, Pipe

SW!

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



NE 1/4 Sec 9 T20 R17

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

Signature of Owner Nettie O. Greene

Date 12/30/63

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.

10, 2 94

STATE OF MONTANA
COUNTY OF FLAKEHEAD SS

Filed on the 27 day of Dec
A. D. 1923 at 2:19 o'clock P M

RM
County Clerk and Recorder

By *[Signature]* Deputy

GW3

File No. _____

DUPLICATE

T 30 N 16 W 6-7

County Flathead RECEIVED
MAR 27 1962

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater March 20, 1962

Owner Mellie C. Garrett Address Essey, Montana
Box 626

Contractor (if any) None

Address of Contractor _____

Date Started May 15-1938 Date Completed Same-1938

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

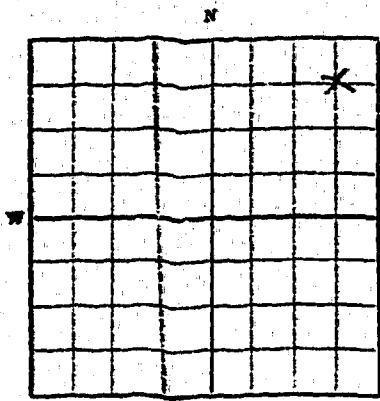
diverted into a water-box,
approximately 4' x 4' x 8'. Depth
of water varies according to
seasons.

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 year

around use for house with
extra summer use for garden,
etc. will use up to 5 cubic feet per
second, by use of pipeline and natural fall.

Signature of Owner Mellie C. Garrett

Date March 20, 1962



NE 1/4 NE 1/4 Sect 7 T. 30 R. 16

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

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.

9273

STATE OF MONTANA } SS
COUNTY OF FLATHEAD }

Filed on the 20 day of May
A. D. 1962 at 11²⁰ o'clock AM

G. E. M.
County Clerk and Recorder

By GEM

29N-23W
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 completed by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Wilfred S. Miller
Address 411 Baker
Whitefish, Montana
Date well started 4-26-73
completed 5-2-73

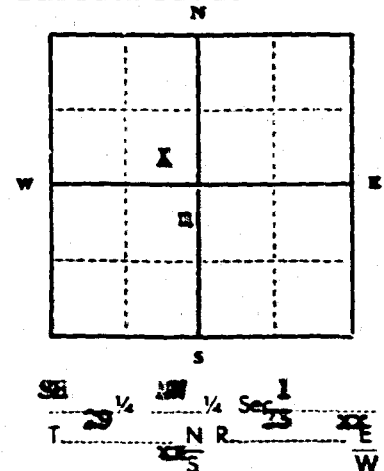
For Administrator's Use	
File	<u>14,708</u>
	<u>12 June 1973</u>
GW 1	<u>12:41 p.m.</u>

Type of well Drilled
(Dig, driven, bored or drilled)
Equipment used Air Rotary
(Clear 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 9,400,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
8"	5/8" CD 2.250	+2	197'	N	O	N



Static water level 81' ft.*
Pumping water level 154' ft.*
at 18 gallons per minute,
measured 90 minutes after pumping
began.
*Measured from ground level.
Well developed by air surge
for two hours.
Power diesel Pump 150 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff) All water
entering well is coming thru
cracks & seams in the rock
below 300 feet. Wells in this
area can be depended (CONF.)

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.
Driller's Signature Will E. Calhoun
Driller's Address LIBERTY DRILLING & PUMP 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) 3100'

From (Feet)	To (Feet)	
0	1	Topsoil.
1	25	Brown clay, some boulders.
25	140	Brown clay, gravel.
140	145	Gravel in tan silt. Some perched water.
146	165	Gravel in tan silty clay.
165	175	Gravel in gray clay.
175	185	Orange clay with some gravel.
185	225	Gray rock.
225	257	Dark gray rock.
257	265	Gray rock.
265	335	Gray-purple rock. Soap.
335	345	Broken gray-purple rock.
345	366	Dark gray-purple rock. Water

366' Show exact depth of bottom

531497

14 708

STATE OF MONTANA } 88
COUNTY OF PLATHEAD }

Filed on the 1st day of June
A. D. 1927 at Billings

M. J.
County Clerk and Recorder

By addw Deputy

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 75 to 85 percent of the tested capacity of the aquifer.

GW3

File No. _____

ORIGINAL

T 29^N R 23^W
County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater _____

Owner Ralph Sanders Address Rt 3 Kellogg

Contractor (if any) _____

Address of Contractor _____

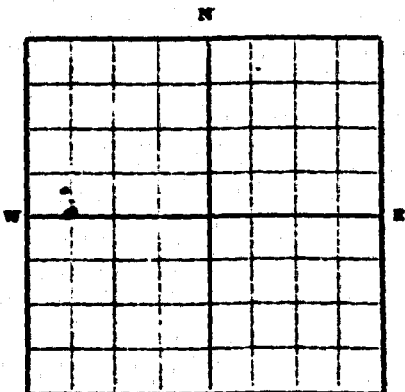
Date Started _____ Date Completed _____

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

2 springs
3/4" pipe

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

3/4" pipe



SW
1/4 Sec 1 T29 R23W
Indicate point of appropriation and place of use, if possible.

Signature of Owner Ralph Sanders
Date Dec 30/63

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 School of Mines and Quadruplicate for the Appropriator.

10460

STATE OF MISSISSIPPI
COUNTY OF PLATTEN

Filed on the 30 day of Dec
A.D. 1963 at 5:36 o'clock P.M.

Glenn E. Millhouse
County Clerk and Recorder

By Keith
Deputy

GW3

File No. _____

ORIGINAL

T. ^N 29 R 23 W
County Flathead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater _____

Owner Ralph Sanders Address Rt 3 Kellsell

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.

Spring
3/4 in

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

LOT 4 1/4 Sec. 1 T. 29 R. 23 West estimate approximate lengths of periods of use _____

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

3/4" pipe

Signature of Owner Ralph Sanders

Date Dec 30/63

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 School of Mines and Quadruplicate for the Appropriator.

10461

STATE OF MISSISSIPPI
COUNTY OF FRANKLIN, SS

Filed on the 30 day of Dec
A. D. 1963 at 1:37 o'clock P. M

Glenon E. Millhouse
County Clerk and Recorder

By Creich Deputy

GW 3

File No. _____

RECEIVED

T. _____ R. _____

MAY 13 1971

County Flathead ✓

Doc. No. 14 278

Filed for record _____

This 11 day of May

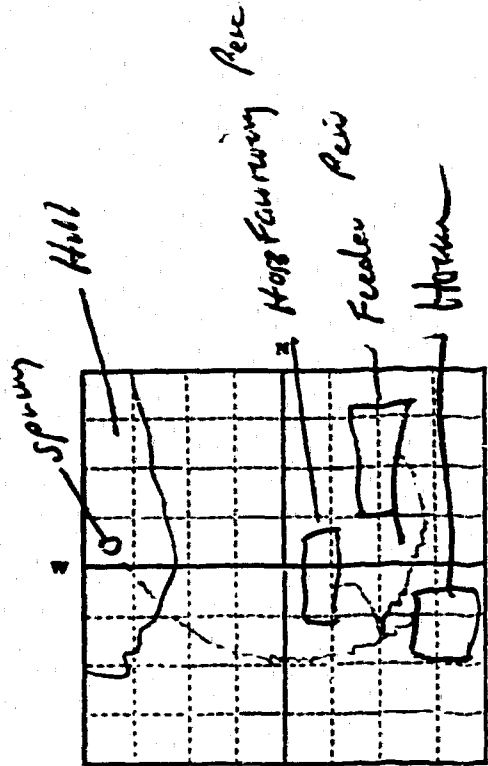
A. D. 19 71 at 11:15

o'clock A M.

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)



N 1/4 Sec. 17, T 29 N, R 23 W
Indicate point of appropriation
and place of use, if possible.

Date of Appropriation of Groundwater April 10, 1971

Owner Ferguson, Donald L. Address Rt. 3, Ketchikan, Mont.

Contractor (if any) None

Address of Contractor None

Date Started 3 Date Completed 1969

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural spring on hill overlooking our house & our out-buildings

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 Sufficient

- water for (1) Home & Trailer accommodating 10 people (2 children)
- (2) For Horse Farming Pen up to 25 cows
- (3) 6 Feeder pens holding up to 1000 pigs;
- (4) several ^{with} milk cows

Signature of Owner D. Ferguson

Date 5-10-71

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.

414 278

STATE OF MONTANA / SS
COUNTY OF BEAUREGARD / SS

Filed on the 11 day of May
A. D. 1921 at 11:50 Clock A. M

Jm
County Clerk and Recorder

By *pp*
Deputy

File No. _____

GW 4

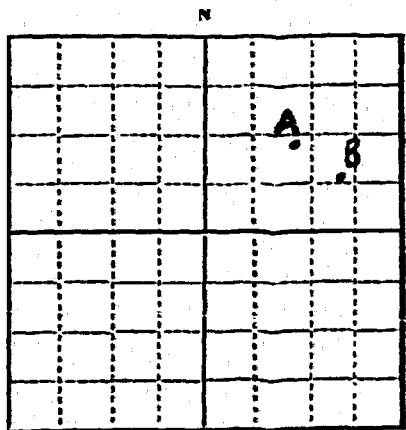
T 21N R 23W 25
County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Mrs. A. A. (Viva) Oclair of 503 2nd. St. E. Calispell
(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:



A-25 29N 23W
B-25 29N 23W
1/4 Sec. T. R.

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 and stock water
- Date or approximate date of earliest 1920 beneficial use; and how continuous the use has been _____
- The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gal. 1 min.
30 gal. 1 min.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
lawn watering
lawn watering
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
A Elec. Pump
B Hand pump
- The date of commencement and 1920 completion of the construction of the well, wells, or other works for withdrawal of groundwater _____
- The depth of water table A Ten Ft. deep B 20 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
A- 20 ft. deep concrete casing with electric pump and fittings
B- 30 ft. deep wood casing and hand pump with fittings
- The estimated amount of groundwater withdrawn each year 20,000 gal per year
- The log of formations encountered in the drilling of each well if available none 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 Viva Oclair
Date 12-30-63

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.

10577

STATE OF MONTANA, SS
COUNTY OF FLAHEAD, SS

Filed on the 30th day of Dec
A. D. 1963 at 3:30 o'clock P.M.

Glenn E. Melhouse
County Clerk and Recorder

By C. Keith Deputy

GW 3

File No. _____

RECEIVED

JUL 3 1973

T. 29 N. R. 23 W

County Flathead

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
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)

14789
June 29, 1973
1:14 PM

Date of Appropriation of Groundwater _____

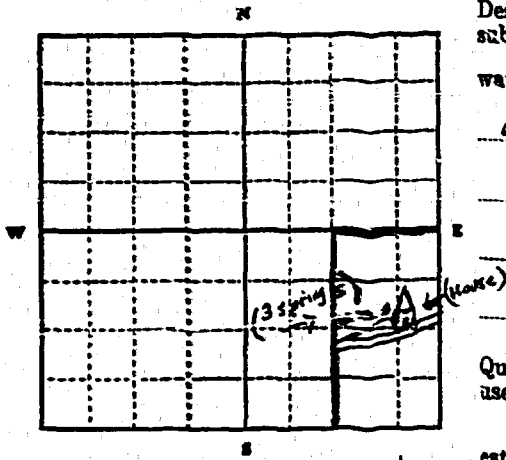
Owner ^{Bennie} Timothy Dowell Address Rt. #3, Kalispell, Mt.

Contractor (if any) _____

Address of Contractor _____

Date Started (Unknown - previous owner, 1966-1972) Date Completed _____

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. 3 Surface springs with electric pump to house



SE 1/4 E 1/2 Sec. 27 T29 N. 21 R23 West
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 _____

Approx. 100 gal. per day.
(Estimated same as previous water use on property with meter.)

Signature of Owner Timothy Dowell

Date June 29, 1973

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

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

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

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

14, 7 89

STATE OF MONTANA)
COUNTY OF FLATHEAD)
Filed on the 27 day of June
A. D. 1912 at 11 1/2 o'clock P. M.
M. J.
County Clerk and Recorder
By dy Deputy

RECEIVED

27

JUL 3 1973

GW 3

File No. _____

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION 29 R 23

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)

14772
June 29, 1973
10:30 A.M.

Date of Appropriation of Groundwater April 26, 1973

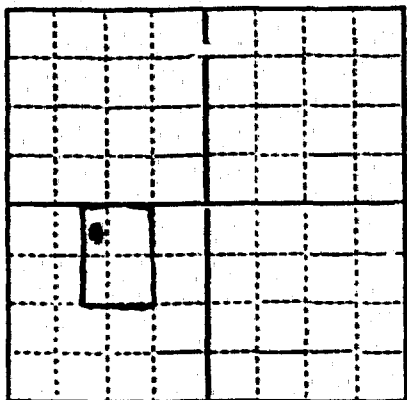
Owner Robert Hunt Address 427 3rd Ave E

Contractor (if any) NA

Address of Contractor NA

Date Started NA Date Completed NA

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



SW 1/4 Sec 27 T29 R23

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 NA

Signature of Owner Robert Hunt

Date June 29, 1973

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

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

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

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

14772

STATE OF MONTANA }
COUNTY OF FLATHEAD, SS

Filed on the 19 day of June
A. D. 1922 at 10:10 o'clock A. M.

W. J. [Signature]
County Clerk and Recorder

By [Signature] Deputy

Department of Natural Resources and Conservation
 Water Resources Division
 Engineering Bureau
 Groundwater Section
 Sam W. Mitchell Building
 Helena, Montana 59601

Owner Lawrence A. Johnston
 Address Route 3 - Kalis 5211, MT. 59901
 Location T. 29N. R. 23W. Sec. 27
 Doc. No. 14,433

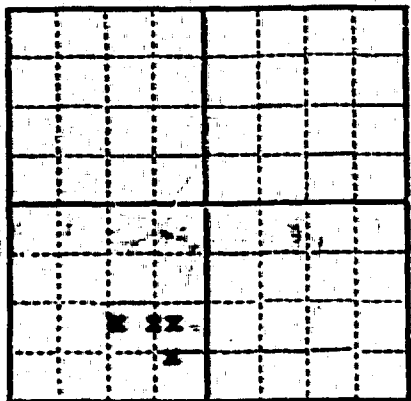
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions: *Please provide the missing information as indicated in red on the attached form.*

NOTE: Underdeveloped springs are usually considered surface water and are therefore appropriated in an entirely different manner.

Thank you.

*Sent on
 9/11/72 50,309*



SW 1/4 Sec. 27 T. 29N. R. 23W

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

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

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

used for sub-irrigation and watering ponds

for cattle and as flowing stream across

field.

Signature of Owner Lawrence A. Johnston

Date May 22, 1972

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.

Doc. No. 14,433

Filed for record

this 31st day of May

A. D. 19 72, at 3:21

o'clock P. M.

50,509

RECEIVED

27

GW 3

JUN 2 1972

File No.

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

T 29 N R 23 W

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, 1962

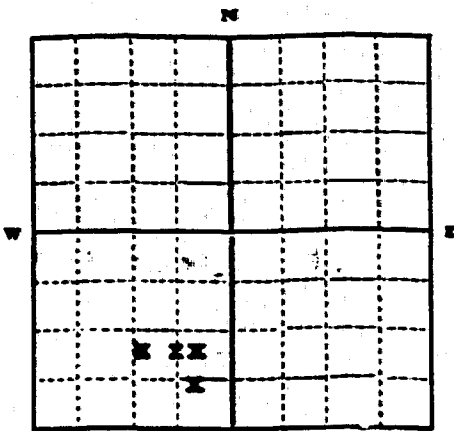
Owner Laurence A. Johnston
Mildred E. Johnston Address Rt. 3 Kalispell,
Montana

Contractor (if any) NONE

Address of Contractor ---

Date Started _____ Date Completed _____

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



SW 1/4 Sec 27 T. 29N R. 23W

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 _____

used for sub-irrigation and watering ponds

for cattle and as flowing stream across

field.

Signature of Owner Mildred E. Johnston

Date May 20, 1972

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.

Doc. No. 14,433

Filed for record

this 31st day of May

A. D. 19 72, at 3:21

o'clock P. M.

RECEIVED

OW 3

JUN 2 1972

File No

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

T 29 N R 23 W

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 1968

Owner Lawrence A. Johnston

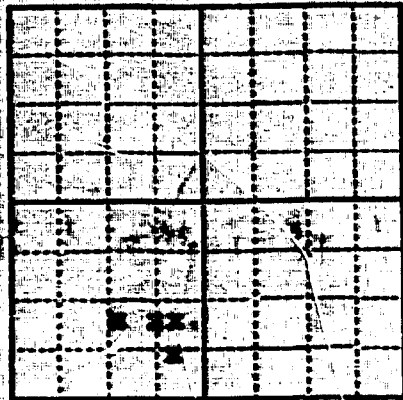
Address Box 1181, Missoula, Montana

Contractor (if any) None

Address of Contractor None

Date Started _____ Date Completed _____

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



SW 1/4 Sec. 27 T. 29N R. 23W

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. ES use is intermittent

estimate approximate lengths of periods of use

used for sub-irrigation and watering ponds

for cattle and as flowing stream water

ES/A

Signature of Owner Lawrence A. Johnston

Date May 22, 1972

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.

Doc. No. 14,433
Filed for record
this 31st day of May
A. D. 1972, at 3:21
o'clock P.M.

14,433

STATE OF MONTANA }
COUNTY OF FLATHEAD } SS

Filed on the 31 day of May
A.D. 1927 at 3 o'clock P.M.

Alvan E. Meehan
County Clerk and Recorder
Louise Wheeler
Deputy

File No. _____

RECEIVED

GW 2

T29 N R23 W

21

JUN 2 1972

County Flathead

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

Top of Ground
6" topsoil
(Elev. above sea level 3750)

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner **Lawrence A. Johnston & Mildred E. Johnston** Address **Rt. 3 Kalispell, Montana**

Driller **Pack & Co.** Address **Kalispell, Mont.**

Date of Notice of Appropriation of Groundwater **May/1968**

Date well started **5/65** Date Completed **6/68**

Type of well **Dug by self** Equipment Used **back hoe**
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

heavy clay & rock

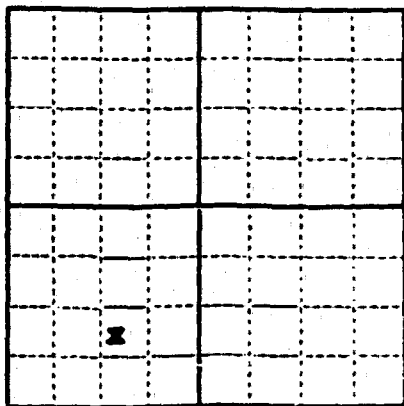
well depth is 18 foot and underground springs supply the water stored in concrete culverts; one placed on top of another.

soil is clay

water is encountered seeping into well at varied levels from westerly, southerly and northerly directions into storage culverts.

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)
3 foot	6 three foot concrete casings	gnd. level	15'	1" holes in lowest casing	15'	12'



SE 1/4 Sec. 27 T29 R23
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well **not applicable** feet.

Shut-in Pressure for Flowing Well **not applicable**

Pumping Water Level **13** feet at **50** gal. per minute.

Discharge in gal. per min. of flowing well **10**

How Tested **estimated** Length of Test **year-round**

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) **approx. 1 ac**

of garden & grass irrigated from well.

Water fills casings and overflows

Show exact depth of bottom.

Doc. No. **14,432**
Filed for record this **31st** day of **May**
A. D. 19 **72** at **3:20**
o'clock **P.**M.

Driller's License Number

Driller's Signature

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

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

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

50,508

14,432

STATE OF MONTANA } SS
COUNTY OF FLATHEAD

Filed on the 31 day of May
A.D. 1972 at 3³⁰ o'clock P.

Glenn E. Millburn
County Clerk and Recorder
Lorraine Wheeler
Deputy

GW 3

File No. _____

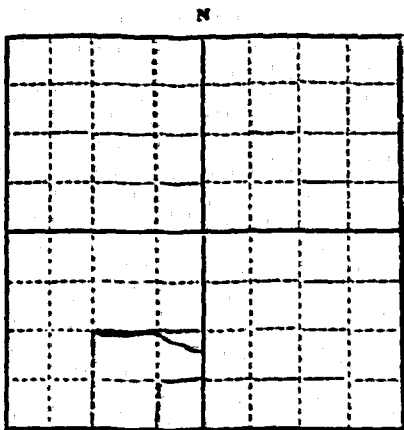
T. 29 S. R. 23 W.
Flathead
County _____

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 August 1, 1972
127 - 5th Ave. S.E.
Owner Joan Wicklund Address Calispell, Montana
Contractor (if any) none
Address of Contractor none
Date Started not applicable Date Completed not applicable



NE 1/4 Sec 33 T29 R23
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. water is developed from a spring vent of this property.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent 8.78 12 months
estimate approximate lengths of periods of use annually; sufficient to water, winter and summer, approx. 10 head of livestock, as well as ample for domestic uses and watering of lawn and garden.

Signature of Owner Roger M. Wicklund
Date Aug. 24, 72

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.

Doc. No. 14,486
Filed for record
on 24 day of August
A. D. 19 72, at 3:50
o'clock P. M.

14,486

STATE OF MONTANA }
COUNTY OF FLATHEAD } SS

Filed on the 24 day of Aug
A. D. 19 22 at 3:50 o'clock P M

H M
County Clerk and Recorder

By L L W
Deputy

MONTANA WATER RESOURCES BOARD
GW 3 RECEIVED

34

File No. 107-9-1967

T 29 R 29

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 September 8, 1967

P.O. Box 82

Owner Varlan O. Young Address Los Alamos, Calif.

Contractor (if any) Self

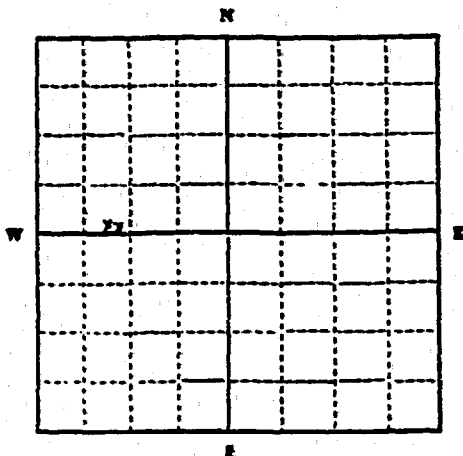
Address of Contractor Same

Date Started Sept. 8, 1967 Date Completed Sept. 8, 1967

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

Source of water is two well surface

springs. Will convey water by pipe.



SW 1/4 Sec. 34 T. 29 R. 23

Indicate point of appropriation and place of use, if possible. Point of appropriation is in SE 1/4 SW 1/4.

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.

One spring yields about 2 gallons a minute, and the other is a matter of seepage only. They are close together. Amount is estimated from personal observation. Daily use during summer months for domestic purposes is probably all appropriator will take.

Signature of Owner _____

Date September 8, 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.

42.503

13,997

STATE OF ALABAMA
COUNTY OF LAYLEAD, SS

Filed on the 8 day of Sept
A. D. 1967 at 12:25 o'clock M

John
County Clerk and Recorder

By John
Deputy

County Flathead Twp. 290 Rge. 22W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Deane, Joseph Edward	GW2	13940	
1	Faaker, Edward R.	GW2	12954	
1	Flathead Carbon Disposal Dist	GW2	14351	
1	Follatam, Richard	GW2	14646	
1	Kellin, Ann	GW2	13269	
1	Pearcy, Harland C.	GW4	10520	
1	Wagner, Pat	GW4	10654	
2	Barnett, Theresa	GW4	10965	
3	Narvey, Robert & Katherine	GW3	9953	
4	Sanders, Ralph	GW4	11889	
5	Berlinger, Charles J	GW4	10206	
5	Carda, Charles H	GW2	14236	
5	Carda, Charles H	GW4	10681	
5	Olson, Clifford A.	GW2	14262	
7	Bruce, David S.	GW4	9498	
7	Fitzwater, George E & Winifred	GW4	10629	
7	Lube, Carl K. & Harold F.	GW4	10324	
8	Bailey, Beahitt	GW4	10611	
8	Bruce, David S.	GW2	13839	
8	Franey, Fred R.	GW4	10431	
9	Tutweldt Bros.	GW2	13036	
9	Walter, Ewin & Mary, Beatrice A	GW4	10009	
10	Janis, Donald M. & Arlene	GW4	10638	
10	Tutweldt, Hans P.	GW4	9760	
10	Tutweldt, Hans P.	GW4	9761	
10	Tutweldt Bros	GW2	13035	
11	Baugen, Hazel A. & Ray	GW4	11126	
12	Patterson, Karl W & Blair V.	GW4	10104	
13	Martin, Coralee	GW4	10545	
13	Scall, Karen	GW2	14526	
14	Krusger, Fred H	GW4	10917	
14	Krusger, Fred H.	GW2	14186	
16	Rasmussen, Dennis E	GW3	14375	
16	Rasmussen, Dennis E.	GW2	14447	
16	Hanson, James A.	GW4	10313	
16	Hanson, James A.	GW2	13045	
16	Lee, Out & Margaret C	GW4	10909	
16	Hanson, James A.	GW3	14069	
16	Cooper, Lillie L.	GW4	10929	
17	Hanson, James A.	GW4	10312	
17	Northton, Leonard?	GW2	11803	
18	Claidge, Lance B.	GW4	10296	
18	Lynch, William	GW2	14729	
18	Lynch, William	GW2	14729	
19	Cartwright, Robert L.	GW3	14680	
19	Hillebrand, Paul	GW3	10182	

County Hathead Twp. 297 Rge. 22W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
19	Hanson, James A.	GW2	10311	-
19	Cochy, Luther	GW2	14199	-
19	Nutting, Ellen T.	GW2	14152	-
20	Rasmussen, Dennis E.	GW3	13989	-
20	Viant, Peter J.	GW4	9732	-
21	Nielson, Grant T. & Paul M.	GW2	10135	-
22	Clark, J. W.	1961	No #	-
22	Corneliusson, Albin & Alma	GW4	10621	-
23	Hassweiler, Carl F.	GW4	10501	-
24	Arundson, L. O.	GW2	11895	-
24	Tracht, Donald H.	GW4	9982	-
25	Johnson, T. Floyd	GW2	14212	-
25	Johnson, T. Floyd	GW4	10406	-
25	Johnson, T. Floyd & Vernon R.	GW4	10605	-
25	Mette, Georgia J.	GW2	13879	-
25	Mette, Georgia J.	GW4	10933	-
26	Keller, Anna Mae	GW2	13736	-
26	Keller, Henry A.	GW4	10996	-
26	Martinson, John L.	GW4	10029	-
27	Bolster, Fred	1959	No #	-
27	O'Boyle, Charles E.	GW4	9961	-
27	Harro, Anne	GW2	9430	-
27	Keller, Henry A.	GW4	10989	-
28	Coclet, Elizabeth J.	GW4	10569	-
28	Hassweiler, Paul & V. Stelling	GW3	12996	-
28	Keller, Albin & John, Jack J.	GW4	10685	-
28	Stafford, Jerry	GW2	14354	-
29	Handley, Bryan T. & Myrtle K.	GW2	14607	-
29	Rasmussen, Dennis E.	GW2	13968	-
31	Ottson, Raymond	GW3	11528	-
32	Hassweiler, Paul	GW2	13913	-
32	Stronset, Olga	GW3	11532	-
32	Kroll, Don A.	GW3	11923	-
32	Jacks, Donald E. & Elaine M.	GW2	14356	-
32	Walter, Rosa B.	GW4	10567	-
32	Vickerman, Herald	GW2	13956	-
33	Kanhus, Douglas	GW2	13992	-
33	Keller, Albin & John, Jack J.	GW4	10684	-
33	Sappington, James	GW2	14340	-
33	Munabower, Wilbur	GW3	131835	-
33	Thompson, Roger	GW2	14219	-
34	Hassweiler, Paul	GW4	9567	-
34	Fritchick, Emory	GW4	10255	-
35	Hassweiler, Carl F.	GW4	10225	-
35	Hassweiler, Carl F.	GW4 1958	10225 16	-
36	State of Montana	GW2	1434	-

GROUNDWATER INDEX

County Flathead

Twp. 29N

Rge. 22W

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
36	Hosswiler, Carl F.	GW2	14326	
36	State of Montana	GW2	14370	
36	Hosswiler, Carl F.	GW4	10499	
36	State Forester	GW4	10630	
1	Tramer, Martin J	GW2	14649	

T 29 N R 22 W

F. No.

County Flathead

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 780)

1 1/2 top soil
1/2 cobbles
9 ft
Hardpan with
cobbles - light color

94 ft
Hard pan
brown color
14 ft
Sand, gravel
19 ft
Brown sand
gravel
with silt

29 ft
Coarse sand

23 ft
Water
Coarse sand

245 ft
Show exact depth of bottom.

Owner Joseph Merand Address 737

Driller Homer McClarty Address 945 8th

Date of Notice of Appropriation of Groundwater

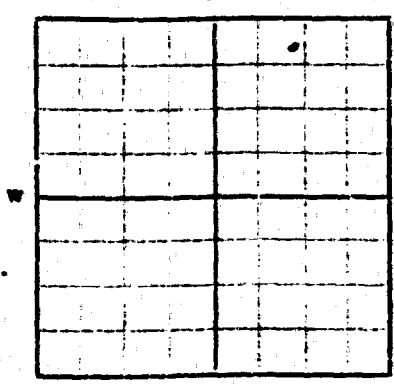
Date well started July 17, 1967 Date Completed Aug 4, 1967

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

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)
7.000	23"		245			



Lot 2 1/4 Sec 1 T29 R22

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

Static Water Level for non-flowing Well 155 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 155 feet at 14 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 School of Mines and Quadruplicate for the Appropriator.

45,114

13940

STATE OF MONTANA } SS
COUNTY OF FLATHEAD }

Filed on the 10th day of April
A. D. 1908 at 8 o'clock A. M

SEM
County Clerk and Recorder

By MD
Deputy

JUL 19 1957

T 29 N R 22 W

F. No. _____

County Flathead

TRIPLICATE

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 2980)

1ft Top Soil

Clay, cobbles & boulders

25ft

Clay, gravel & cobbles

90ft

Gravel

130ft

Clay, gravel & cobbles

220ft

silty sandy gravel seepage

25ft

Coarse sand & gravel

Water

203ft
Show exact depth of bottom.

Owner Edward F. Ferraro Rt 3

Driller Homer McClarty 945-8th Ave

Date of Notice of Appropriation of Groundwater _____

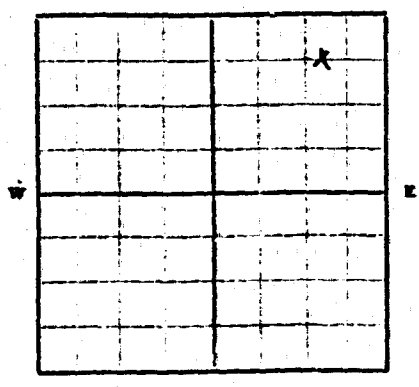
Date well started June 12, 1967 Date Completed June 22, 67

Type of well Drilled Equipment Used 2 1/2" Bucyrus Erie
(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)
7" CW	23#		261			



NW 1/4 Sec. 1 T29 R22
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Static Water Level for non-flowing Well 218 feet.

Shut-in Pressure for Flowing Well _____

Pumping Water Level 230 feet at 13 1/2 gal. per minute.

Discharge in gal. per min. of flowing well _____

How Tested 3hr Length of Test 3hrs

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. McClarty
Driller's Signature

This form to be prepared by driller, and three copies to be filed with 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.

12954

STATE OF ALABAMA
COUNTY OF FLAWEAD SS
Filed on the 12 day of July
A.D. 1967 at 2:40 o'clock P.M.
Dem
County Clerk and Recorder
By _____ Deputy

NOV 22 1971

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

**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.

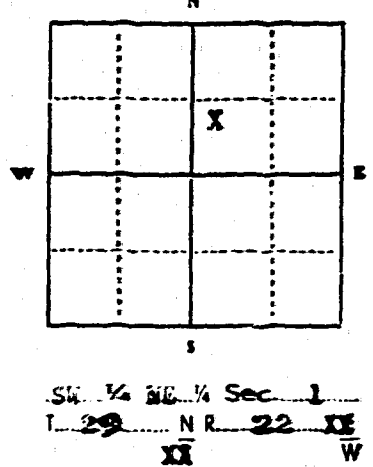
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Flathead County
Owner Refuse Disposal Plant File # 14351
Address Kaisepoli, Montana Date well started 10/1/71 completed 10/6/71
Type of well Drilled
Equipment used Air Rotary
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other Garden/Lawn
*Describe Land fill settling
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 31,536,000

Top of Ground approx. (Elev. above sea level) 2917'

From (Feet)	To (Feet)	
0	44	Tan clay with boulders cobblestones and gravel mixed in
44	53	Gravel
53	199	Tan clay with gravel, cobblestones and boulders mixed in
199	215	Tan clay and gravel
215	227	Fine sand and gravel mixed with tan silt. Some water
227	235	Clean coarse cemented gravel and boulders. Water

Size of Drill Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
8"	5/8" OD x 3/4"	+2'	237'	NONE		



Static water level 146 ft.
Pumping water level 182 ft.
at 60 gallons per minute, measured 60 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) All water entering well through open bottom of eight inch casing. (Cont)

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.
Driller's Signature W. F. Colman
Driller's Address 2500 Reserve Missoula, Montana LICENSE NO. 52

235' Show exact depth of bottom water rises in well 146' from surface.
49440

14,351

STATE OF MONTANA } 89
COUNTY OF FLETCHER }
Filed on the 22 day of March
A. D. 1927 at 1:55 o'clock P.
S. E. M.
County Clerk and Recorder
By M. J. Deputy

(Con't)

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.

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 Richard H. ...
Address Route 3
KilsPELL Montana
Date well started May 25, 1972
completed June 13, 1972

For Administrator's Use	
File	<u>14646</u>
	<u>MARCH 23, 1973</u>
GW I	<u>3:32 p.m.</u>

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

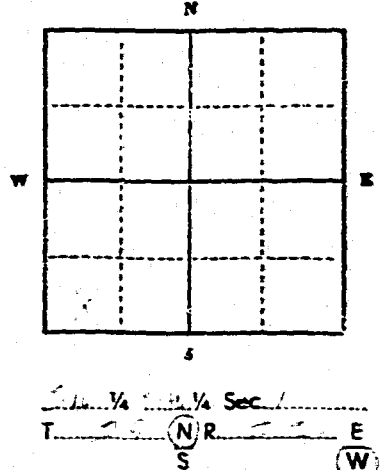
Equipment used Drill
(Chain drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>7"</u>	<u>700</u> <u>2-1/2"</u>	<u>3</u>	<u>170</u>	<u>X</u>	<u>X</u>	<u>X</u>



Static water level 1480 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 Angela ...
Driller's Address Route 3, KilsPELL
Montana LICENSE NO. 153

29N-22W - 1
County Fathead

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)	
<u>0</u>	<u>34</u>	<u>Grey Clay and</u> <u>Rock</u>
<u>34</u>	<u>40</u>	<u>Grey Clay</u>
<u>40</u>	<u>137</u>	<u>Grey Clay and</u> <u>Sand</u>
<u>137</u>	<u>170</u>	<u>Sand</u>
<u>170</u>	<u>170</u>	<u>Water Found</u>

1480 Show exact depth of bottom

52,746

14,646

STATE OF MONTANA }
COUNTY OF FLATHEAD } SS

Filed on the 23 day of Nov
A.D. 1913 at 3:30 o'clock PM

MT
County Clerk and Recorder

By RLW
Deputy