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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 William W. Norden and Marian V. Norden

Address Swan Hill Drive  
Rigfork, Montana 59911

Date well started 11/13/71

completed 11/17/71

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

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

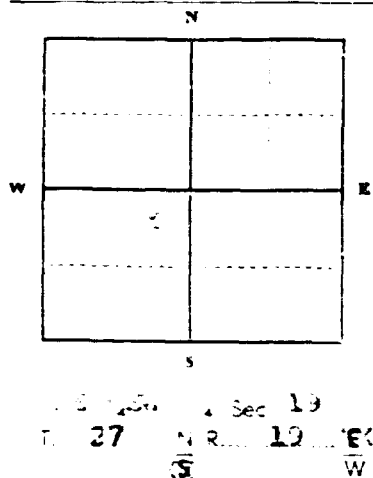
Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other  Garden-Lawn

\*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). 10 acres

ESTIMATED ANNUAL WITHDRAWAL 7,884,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	5/8"	0'	58'			
6"	5/8"	0'	175'3"	1/2"		



Static water level 84 ft.  
Pumping water level 138 ft.  
at 15 gallons per minute,  
measured 60 minutes after pumping began.  
\*Measured from ground level.  
Well developed by Air Lift Pump  
for 24 hours.  
Power Diesel Pump 150 HP  
Remarks: Gravel packing, cementing, packers, type of shutoff oil water entering well through cracks and seams in the rock below 175 feet.  
(Don't)

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

Driller's Signature \_\_\_\_\_

Driller's Address 2500 Reserve Street

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 3200'

From (Feet)	To (Feet)	
0	38	Tan fine sand
38	57	Tan clay and fine sand
57	122	Gray rock
122	133	Green rock
133	175	Gray rock
175	181	Green rock, 7 1/2 GPM
181	189	Gray rock
189	195	Green rock
195	200	Gray rock
200	210	Green rock
210	220	Gray rock 15 GPM

220' Show exact depth of bottom water rises in well 84' from surface.

49,731

(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.

# 14383

WELL NO. 22  
WELL NO. 23  
WELL NO. 24  
WELL NO. 25  
WELL NO. 26  
WELL NO. 27  
WELL NO. 28  
WELL NO. 29  
WELL NO. 30  
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WELL NO. 99  
WELL NO. 100



(Cont.)

Notes: Wells in this area can be depended upon to produce clear sand  
and water year after year as long as they are not overproduced, i.e.,  
they should be worked at rates not in excess of 50 to 60 percent of  
the tested capacity of the well.

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T. 27 N R. 19 W 1919  
County Butte

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER


Owner W. J. ... Address ...

Driller ... Address ...

Date Started ... Date Completed ...

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

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



34 File No. \_\_\_\_\_

127

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
Office Of State Engineer

County \_\_\_\_\_

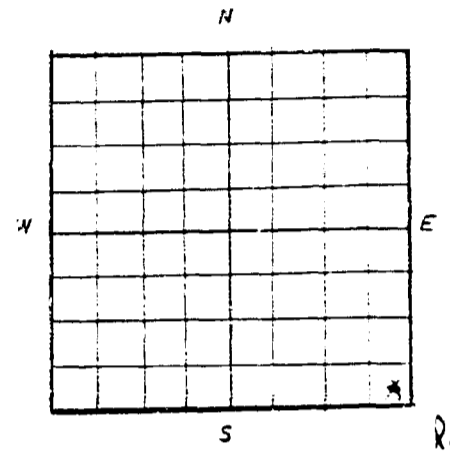
DUPLICATE

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

STATE ENGINEER

I, Frank R. Cooney, of Big Horn Montana  
name of appropriator address town  
County of Jacobs State of Montana

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



520T27N 19W  
520T27N 19W

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

- The beneficial use on which the claim is based household & garden irrigation
- Date or approximate date of earliest beneficial use; and how continuous the use has been April 26, 1960  
continuous use since that date
- The amount of groundwater claimed (in miner's inches or gallons per minute) 300 G.P.H.
- If used for irrigation, give acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre  
Frank Cooney
- The means of withdrawing such water from the ground and location of each well or other means of withdrawal electric pump
- Date of commencement & completion of construction of well, wells, or other works for withdrawal of groundwater April 23, 1960 completed April 26, 1960
- Depth Of Water Table 11.9 feet
- As it may be available, type, size, depth of each well, or general specification of any other works for withdrawal of groundwater drilled well  
7" casing & 118 feet deep
- Estimated amount of groundwater withdrawn each year 130,000 gallons yr
- The log of formations encountered in drilling each well (if available) Top soil, clay sand, coarse sand & gravel & water
- Other information useful in carrying out policy of this act, including Book & Page of any county record \_\_\_\_\_

Signature Russell Cooney  
(owner)

Date Feb 2, 1962

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

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



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21 Feb.  
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J. E. M.  
SM

File No. ....

GW#

T. NR 20

County Foothold

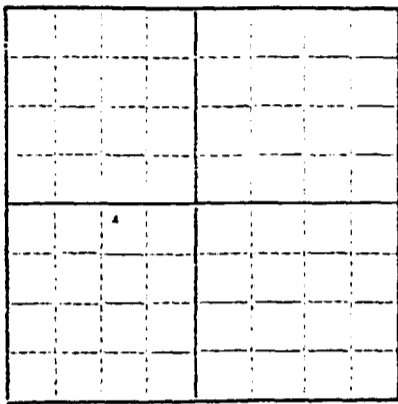
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

DEC 30 1963  
STATE ENGINEER

1. John Doe of Bozeman (Name of Appropriator) (Address) (Town)  
County of Foothold State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 36 T. 20 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 Domestic

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2

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 R. J. D.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Dec 1963

8. The depth of water table 20 ft

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

10. The estimated amount of groundwater withdrawn each year.....

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

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

Signature of Owner John Doe

Date 12/24/63

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.

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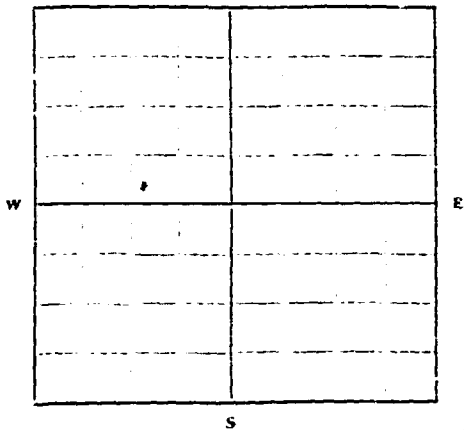
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DEC 30 1962

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hilda Lee of Bigfork  
(Name of Appropriator) (Address) (Town)  
County of Hell Creek State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W. Sec. 22, T. 27, R. 12

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 & farm

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Apr. 26, 1953

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 18 1/2

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. R. 12

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Apr 7, 1956  
Apr 25, 1956

8. The depth of water table. 21 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. dilled, 70 ft 20 ft

10. The estimated amount of groundwater withdrawn each year.

11. The log of formations encountered in the drilling of each well if available. sands 127'  
Cement gravel  
rocks 16 ft  
Clay + gravel 215 ft  
Water bearing gravel 253 ft

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 Hilda Lee

Date 12/26/63

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.

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File No. ....

SW 4

T. 27 N. R. 19 W.

County Beaumont

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

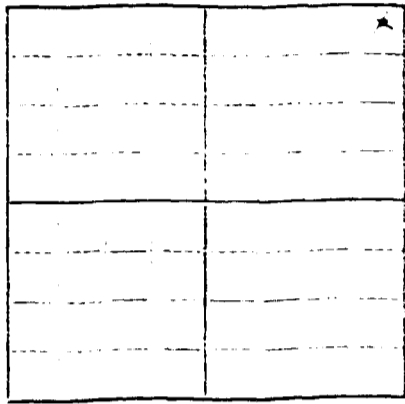
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Laugher Potts of Beaumont  
(Name of Appropriator) Address (Town)

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



E 1/2 NE 1/4 Sec 20 T 27 R 19

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

R.P.D.

- 2. The beneficial use on which the claim is based domestic, forestal & garden irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 20 1957  
continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15
- 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 1/2 A
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal submersible pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 3, 1957 July 16, 1957

8. The depth of water table static water level 5' ft. from ground surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 2 1/2" casing 243 ft deep

10. The estimated amount of groundwater withdrawn each year 1,525,000

11. The log of formations encountered in the drilling of each well if available 5' to 6" gray silt  
16' to 25' gray sand with thin layers of pebbles  
brown gray sand, clay with water

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 Laugher Potts

Date 12/21/63

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 Quaduplicate for the Appropriator

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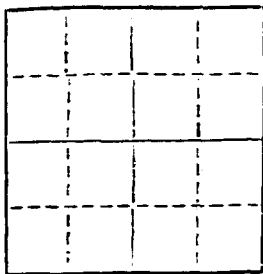
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T. 7 R. 1  
County Flathead

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG



Owner Lynne Lumber Address Bigfork  
Driller Homer McCarty Address 945 8th St  
Date Started July 25, 1959 Date Completed Aug 8/59

Location: Sec. 20 T. 27 R. 12 1/4 sec.

Type of well drilled Equipment used 21 W Solid tool  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other: \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to 220 ft. Type 7" O.D. Size 20#

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 10' feet at \_\_\_\_\_ gal. per min 500

How tested: meter

Length of test: 2 hrs

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

(over)



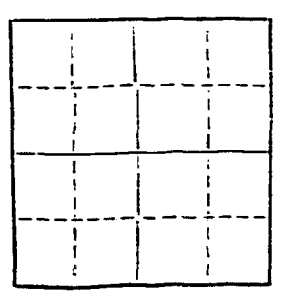


20

T. 5 N R. 19 W  
County Butte

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG



Owner Carl A. Ruppman Address Box 4, Kalispell  
Driller Norman McPartey Address Kalispell  
Date Started Nov. 17, 1958 Date Completed Nov 24/58  
Location: Sec. 20 T. 5 N R. 19 W 4 sec. 54 N 20 W 13 E

Type of well Drilled Equipment used Wid Tool 2 1/4"  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other: \_\_\_\_\_

Casing: 7" O.D. ft. to 77 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.

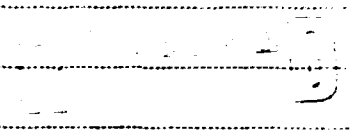
Shut-in pressure, for flowing well: \_\_\_\_\_ lb. sq. in. on: \_\_\_\_\_ (date)

Pumping water level: \_\_\_\_\_ feet at \_\_\_\_\_ gal. per min. lit

How tested: Wiser

Length of test: 3 hrs

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

  
STATE ENGINEER



FD No. ....

GW 2

T 27 R 19 W

County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUND WATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JUL 15 1963  
STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner James Johnson Address Big Lake Mont.

Driller Elmer Gusten Address Columbia Falls Mont.

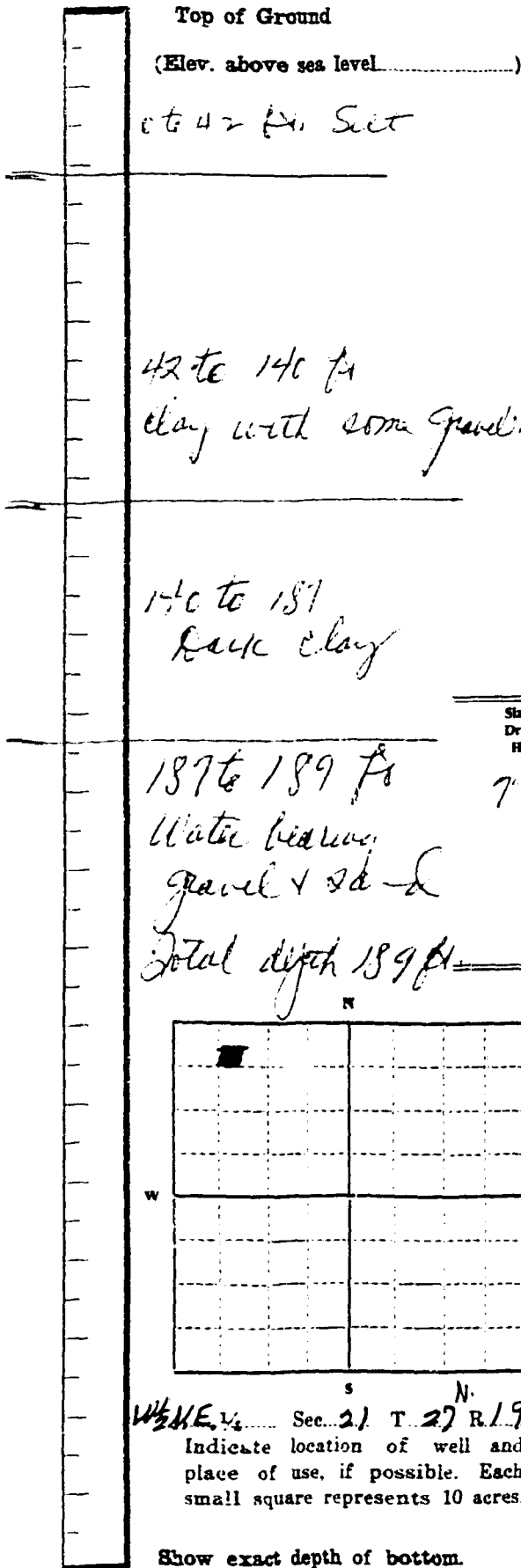
Date of Notice of Appropriation of Groundwater none filed

Date well started July 17 1963 Date Completed July 24 1963

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

Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7" OD 23 lbs per ft	0	189	none		

Static Water Level for non-flowing Well 42 feet.

Shut-in Pressure for Flowing Well non-flowing

Pumping Water Level 125 feet at 10 gal. per minute.

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

How Tested Daily 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

8 1/2 acres irrigated, if used for irrigation)

Driller's License Number 5055

By George J. Gusten  
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.

9878

COUNTY OF HENNING, LA  
COUNTY OF PLAINBO, SS  
Filed on the 4 day of Oct  
A.D. 1963 at 10<sup>30</sup> o'clock AM  
G. E. M.  
County Clerk and Recorder  
By L. H.  
Deputy

File No. ....

GW 1

T. R. ...

County FLATHEAD

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEER

RECEIVED  
JUL 8 - 1963  
STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner DEL MAR MILDREN Address Bigfork Montana

Driller Harner McClarty Address 945 8th St

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

Date well started May 29/63 Date Completed June 13/63

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  Other  Irrigation   
Industrial  Drainage  Stock

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

Top of Ground  
(Elev. above sea level 2940)

top soil

sand

Clay  
84 ft

sand + water muddy

rock  
186 ft  
to  
193 ft

hard pan  
215 ft

gravel  
water shut off  
225 ft  
little water  
tight formation

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Lead Size	From (Feet)	To (Feet)
<u>7 5/8"</u>	<u>2 3/4"</u>		<u>246 ft</u>			

Static Water Level for non-flowing Well 65 feet.

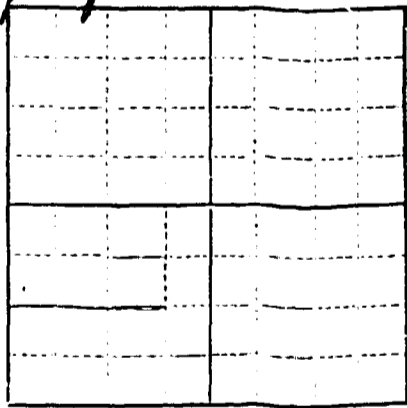
Shut-in Pressure for Flowing Well .....

Pumping Water Level 220 feet at 87 gal. per minute.

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

How Tested bailer Length of Test 3 hrs

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



Section T. 2 N. R. 12 E.  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

240 ft water bearing  
Show exact depth of bottom pannel

Driller's License Number 18

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.

9757

STATE OF MONTANA (SS)  
COUNTY OF FLATHEAD (SS)  
Filed in the City of July  
A. D. 1963 at 8:20 AM  
ben  
County Clerk and Recorder  
By JP Deputy

File No. ....

GW #

T. 27 N R 19 W  
County Fleetshead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

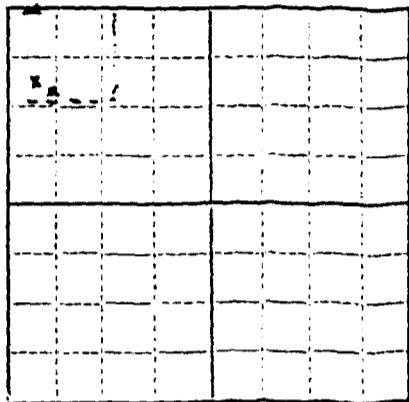
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 6 1964

STATE ENGINEER  
Bigfork

1. Alois E & Hilda Miller of Bigfork  
(Name of Appropriator) (Address) (Town)  
County of Fleetshead State of Montana  
have appropriated groundwater according to the Montana Laws in effect prior to January 1, 1962, as follows:



N. W.  
NW<sub>4</sub> NW Sec. 21 T 27 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 Household & Irrigation

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gpm

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 Barber & Berry, paid

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pumps & Motors  
Sanpoints

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater House well in 40  
Garden well in 52

8. The depth of water table House well 42 ft Irrigation well 6 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  
42 ft depth 2 in Sanpoint & Irrig.  
14 ft " 1 1/2 in Auger & Sanpoint

10. The estimated amount of groundwater withdrawn each year

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

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 A. E. Miller

Date 12-27-63

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.

22571



10,391

30  
63 22 see  
26m a  
2074

GW1

File No. \_\_\_\_\_

T. \_\_\_\_\_ R. \_\_\_\_\_

ORIGINAL

County Flathead

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

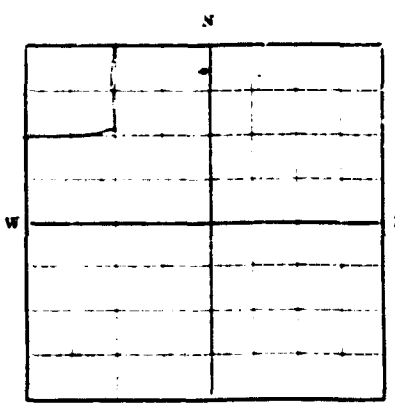
**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater July 19 63  
 Owner Edgar Simsek Address Bigfork  
 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 spring comes to the top of surface of ground



ME 1/4 NW 1/4 Sec 21 T. 27 R. 19

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

Sufficient amount developed so Simsek will dig a reservoir to hold a fresh supply of water

Signature of Owner Edgar E. Simsek  
 Date May 1 1963

This form to be prepared by contractor (if any), otherwise by the owner.  
 Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.  
 Please answer all questions. If not applicable, so state, otherwise the form will be returned.  
 Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

9741

STATE OF INDIANA  
COUNTY OF PLATT  
Filed on the 7 day of May  
A.D. 19 63 at 11:30 o'clock A.M.

*pen*  
County Clerk and Recorder

By *[Signature]* Deputy

File No. ....

RECEIVED

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

County Blaine

1972

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 700)

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner ... Address ...

Driller ... Address ...

Date of Notice of Appropriation of Groundwater ...

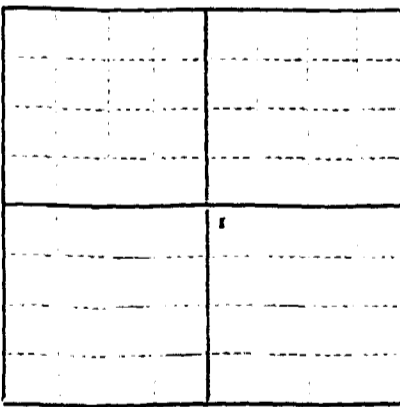
Date well started ... Date Completed ...

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

Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock

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

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



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

Show exact depth of bottom.

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

Shut-in Pressure for Flowing Well ...

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

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

How Tested ... Length of Test ...

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

Doc. No. 14389  
Filed 28 of February  
at 22 3:50  
o'clock P.

Driller's License Number ...  
Driller's Signature James M. Clardy

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.

47 955

14,389

STATE OF MONTANA )  
COUNTY OF FLATHEAD ) SS

Filed on the 21 day of Jul  
A. D. 1922 at Butte M

[Signature]  
County Clerk and Recorder

By [Signature]  
Clerk

27N 21 West  
Flathead

File No. \_\_\_\_\_ GW 4 T. \_\_\_\_\_ R. \_\_\_\_\_

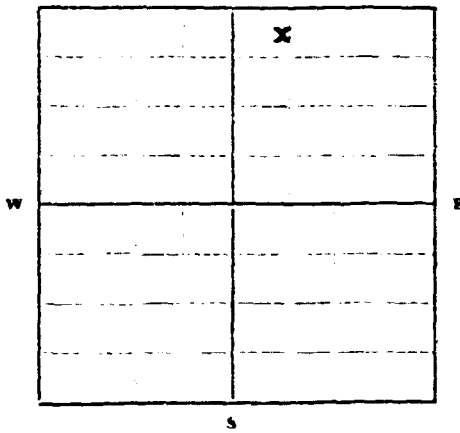
County **RECEIVED**  
JUL 8 - 1963

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE ENGINEER

**Declaration of Vested Groundwater Rights**  
Vernon Shea and Hazel Shea, <sup>Route 2</sup>  
(Under Chapter 227, Montana Session Laws, 1961)  
Flathead Montana

1. Name of Appropriator: \_\_\_\_\_ of \_\_\_\_\_ (Address) \_\_\_\_\_ (Town) \_\_\_\_\_  
County of \_\_\_\_\_ State of \_\_\_\_\_ **--domestic use**  
have appropriated groundwater according to **an appropriation** in effect prior to January 1, 1962, as follows:



- 2. The beneficial use on ~~Now~~ **November 1957; continuous use from November 1957.** the claim is based
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **100 gallons per minute**
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute): **Tract of land in the northwest Quarter of the Northeast Quarter of Section 23, Township 27 North Range 21 West, Flathead County, Montana. Owners of land are appropriators herein.**
- 5. **Range 21 West, Flathead County, Montana. Owners of land are appropriators herein.** location and name of the owner thereof

**NW 1/4 NE Sec. 23 T. 27N 21 West**  
Indicate point of appropriation **by means of a pump, a dug well and sandpoint**  
and **County-Bigfork Highway and approximately 300 feet east of the road said highway**  
East of **crosses in the Northwest Quarter of Northeast Quarter of S. 23 T. 27N. R. 21 W.**  
acres. **location of each well or other means of withdrawal**

**Well was commenced in November 1957 and completed the same month and year.**

7. The date of commencement and **2 1/2 feet** completion of the construction of the well, wells, or other works for withdrawal of groundwater.

8. **Dug well, to a depth of 8 feet, 5 x 5 feet, sandpoint is driven from the bottom of the dug well to a depth of approximately 22 feet.**

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

**750,000 gallons.**

10. The **the formation is primarily sand with some white mica near the bottom of the** estimated amount of groundwater withdrawn each year.

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

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

*Vernon Shea*  
Signature of Owner *Hazel Shea*

Date **June 22, 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.

9779

STATE OF MONTANA · SS  
COUNTY OF FLAHERD

Filed on the 24 day of June  
A. D. 1963 at 11<sup>16</sup> o'clock A. M.  
G. E. M.

County Clerk and Recorder

By

*[Signature]*

Deputy

File No. \_\_\_\_\_

GW 4

T. 27 N. R. 19 W. 22

County Blaine

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 16 1964

Declaration of Vested Groundwater Rights

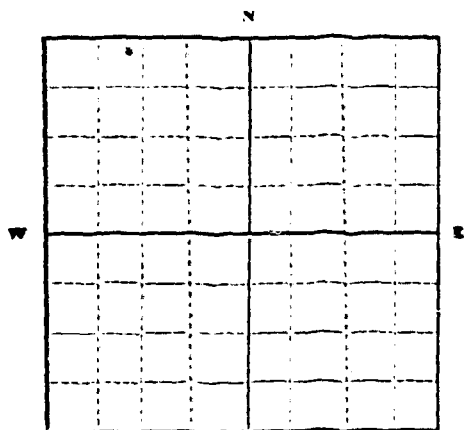
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Warren and Audrey Holman of Route One Bigfork  
(Name of Appropriator) (Address) (Town)

County of Blaine State of Montana

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



N. W. 2. 2. 2. 2.  
R. 19 W. Sec. 23 T. 27 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 domestic and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1927 - regular use

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Sandpoint and piston type pump located by milk barn

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1927

8. The depth of water table approximately 20 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Sandpoint approximately 20 feet deep

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

11. The log of formations encountered in the drilling of each well if available None

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 None

Signature of Owner Warren Holman

Date December 10, 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.

22375



10672

31 Dec  
03 89  
- 51 21  
01 01 4

F No. ....

T. 71 R. 15

County. Blaine

TRIPPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Rod R. Spill Address: Butte

Driller: ..... Address: .....

Date of Notice of Appropriation of Groundwater Nov 30, 1963

Date well started ..... Date Completed July 10, 1963

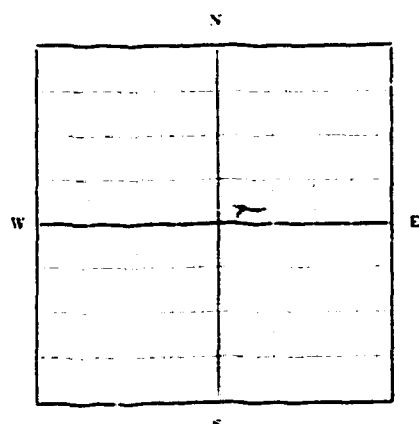
Type of well ..... Equipment Used hand hoe  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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)
3"	3"	3	3	3"	3	3



14 Sec. T. 71 R. 15  
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 7 feet.  
Shut-in Pressure for Flowing Well .....  
Pumping Water Level ..... feet at ..... gal. per minute.  
Discharge in gal. per min. of flowing well .....  
How Tested ..... Length of Test .....

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

Driller's License Number .....

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.

26715

11,127

Jan 2  
30  
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RECEIVED

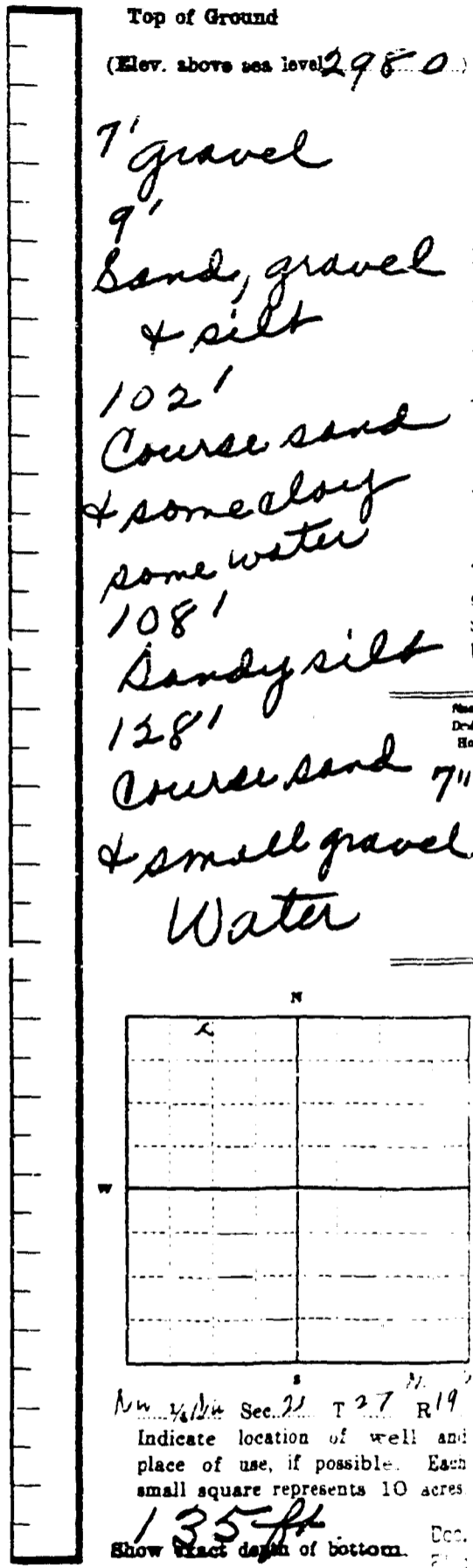
File No. ....

SW: 1972

T. 27 R. 19

County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER



Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Paul Turner Address Bigfork, Mont.

Driller Homer McClarty Address 945 - 8th St.

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

Date well started Oct 7, 1971 Date Completed Oct 14, 1971

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

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.

Static Water Level for non-flowing Well 30 feet.

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

Pumping Water Level 10 feet at 20 gal. per minute.

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

Flow Tested Boiler 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) .....

Doc. No. 14,403  
23  
1972

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.

59,098

14 485

STATE OF MICHIGAN )  
Circuit Court of ) ss  
Filed on the 21st day of Nov  
A. D. 1922 at Ann Arbor Mich.  
By [Signature]  
Clerk of Court

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\_\_\_\_\_



STATE OF MONTANA  
COUNTY OF FLAHERD. 88

Filed on the 28 day of June  
A.D. 1973 at 10<sup>45</sup> o'clock A.M.

MT  
County Clerk and Records

By Ldw

File No. ....

GW 2

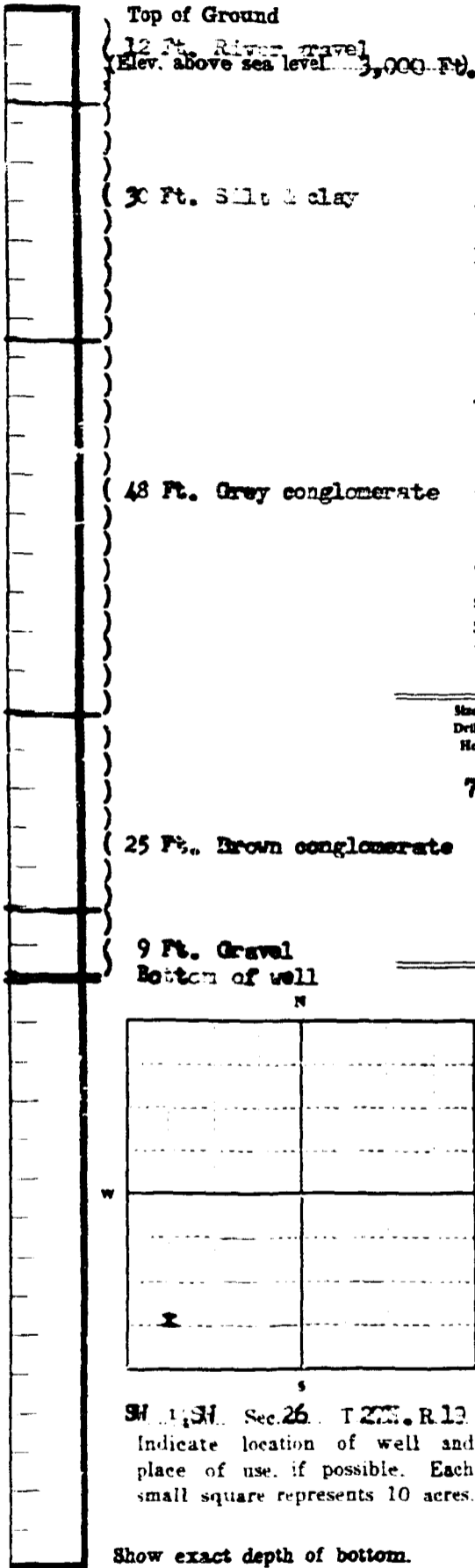
T. 27 N. R. 19 W. 26

County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEER

**RECEIVED**  
AUG 21 1963

**Notice of Completion of Groundwater Appropriation by Means of Well**  
(Under Chapter 237, Montana Session Laws, 1961)



Owner Henry G. Nixon Address Bigfork, Montana

Driller Gordon J. Young Address Kalispell, Montana

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

Date well started July 13, 1963 Date Completed July 23, 1963

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

Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7" - 17"	0 Ft.	124 Ft.	None		

Static Water Level for non-flowing Well (Flows) ..... feet.

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

Pumping Water Level 80 feet at 150 gal. per minute.

Discharge in gal. per min. of flowing well 25 .....

How Tested Ballon Length of Test 2 Hours .....

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

Henry G. Nixon

Appropriator & Claimant  
101  
Driller's License Number  
Gordon J. Young  
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.



9824

STATE OF MONTANA  
COUNTY OF FLAHEAD

Filed on the 9 day of Aug  
A. D. 1903 at 2:15 o'clock P. M.

B. E. M.  
County Clerk and Recorder

By M. J.  
Deputy

File No. \_\_\_\_\_

T. 1 N 17

DUPLICATE

County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 6 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 1958

Owner Pete Nony Address Rt 1 Bigfork

Contractor (if any) none

Address of Contractor \_\_\_\_\_

Date Started June 1958 Date Completed August 1959

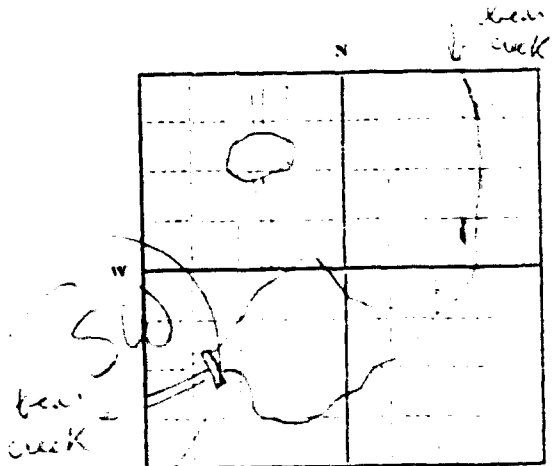
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. construction of a dam and digging in different places to provide subirrigation to different pastures and give water to the house

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

estimate approximate lengths of periods of use use use it during the period February to August, because the lake retires by the dam yep after the time of the year

Signature of Owner Pete Nony

Date Dec 18/1963



E4.5 Sec 26 T. 27 R. 14  
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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

11564

31 Dec  
C. J. R.  
P. J. R.  
62 #

File No. ....

GW 2

T. 27 R. 24

County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Paul & Evelyn Moore Address 241 Bigfork

Driller W. Bellmore Address Bigfork

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

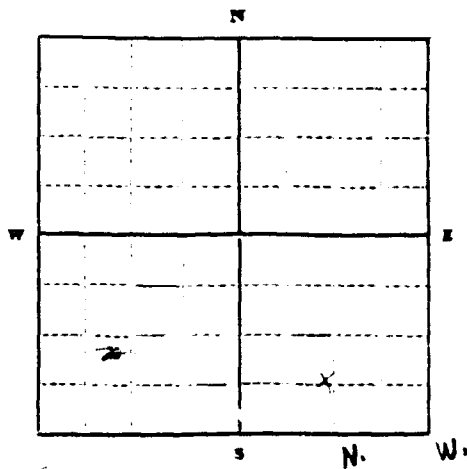
Date well started 7/4/67 Date Completed 7/16/67

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

Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
3 1/2"	3" x 13'00"	0	10			



Section T. 27 R. 24  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

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

Shut-in Pressure for Flowing Well..... 3 ft

Pumping Water Level.....feet at 900 gal. per minute.

Discharge in gal. per min. of flowing well..... 700

How Tested..... slump Length of Test..... 72 seconds

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).....  
R.A.D.

Driller's License Number.....  
W. Bellmore  
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

13827

STATE OF MONTANA } SS  
COUNTY OF FLATHEAD }  
Filed on the 15 day of July  
A.D. 1928 at 2:30 o'clock P.M.  
\_\_\_\_\_  
County Clerk and Recorder  
By \_\_\_\_\_

File No. ....

GW: .....

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

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODES  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner P. & L. ... Address Rt. 1 Bigfork

Driller A. Bellmore Address Bigfork, Mont

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

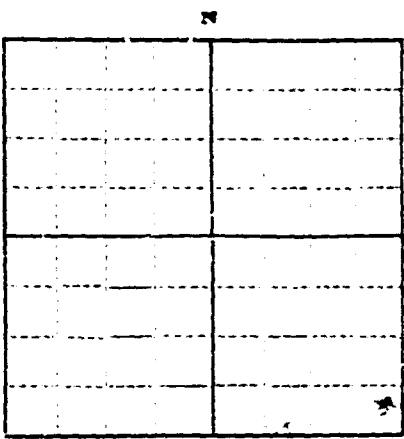
Date well started 7/66 Date Completed 7/66

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

Water Use: Domestic  Municipal  Other  Irrigation   
Industrial  Drainage  Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
3 1/2"	3 1/2" $\phi$ 4 x 300 #	0	10 1/2"			



1/4 Sec. T. R.  
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 0 feet.

Shut-in Pressure for Flowing Well 10 ft

Pumping Water Level 0 feet at 0 gal. per minute.

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

How Tested guess Length of Test .....

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

R.A.S. acres irrigated, if used for irrigation) .....

Driller's License Number .....

A. Bellmore  
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.

13828

STATE OF MONTANA  
COUNTY OF FLATHEAD

Filed on the 5 day of July  
A. D. 1924 at 2:30 o'clock P.M.

\_\_\_\_\_  
County Clerk and Recorder

By \_\_\_\_\_  
Deputy

1031V7

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 Vernon and Hazel Shea

Address Star Route

Somers, Montana

Date well started 6/24/70

completed 6/26/70

For Administrator's Use	
File	<u>14227</u>
	<u>Sept - Nov 19, 1970</u>
	<u>12-22-70</u>
GW 1	

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

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

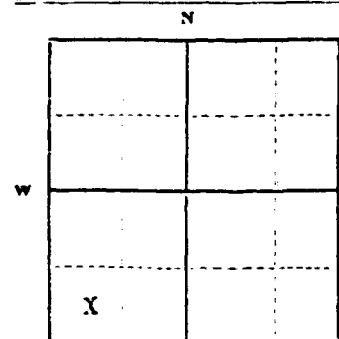
Water Use: Domestic  Municipal  Stock  Irrigation   
Industrial  Drainage  Other \* Garden/Lawn

\*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). Approximately 1 1/2 acres.

ESTIMATED ANNUAL WITHDRAWAL Unknown

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
10"	8 5/8" 10' x 10'	2	41'3"	N	O	N E



292 15 15  
Sec. 26  
T. 27 N R. 31 E  
S. L. 6 S

Static water level 72 ft.\*  
Pumping water level 126 ft.\*  
at 20 gallons per minute,  
measured 2 hours after pumping  
began.

\*Measured from ground level.  
Well developed by air lift  
for 2 hours.  
Power 250 V. Pump 1 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) annular space between 8 inch casing and 10 inch hole is filled from 41'3" back toward cont.

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

Driller's Signature William F. Colman

Driller's Address 2500 Reserve Street

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 (Elev. above sea level) Approx. 2978'

From (Feet)	To (Feet)	Description
0	1	Topsoil.
1	8	Tan clay and cobblestones.
8	10	Blue boulders.
10	20	Tan clay.
20	21	Boulders.
21	23	Tan clay.
23	24	Boulders.
24	28	Tan clay.
28	31	Boulders.
31	35	Tan clay.
35	37	Tan clay.
37	43	Tan rock.
43	48	Reddish tan rock with stringers of red clay.
48	53	Tan and dark gray rock.
53	97	Dark gray rock.
97	126	Tan brown and gray rock.
126	129	Light gray rock.
129	141	Tan brown and gray rock.
141	221	Gray rock.

221 ft Show exact depth of bottom water rises in well 72 feet to surface.



surface with puddled clay. All water entering well is coming through cracks and seams in the rock below 129 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 75 percent of the tested capacity of the aquifer.

14.207

Sept

14th

to

15th

1922



14.51

STATE OF MONTANA )  
COUNTY OF FLATHEAD ) SS  
Filed on the 10 day of Sept  
A. D. 1922 at 3.13 o'clock P. M.  
J. E. M.  
County Clerk and Recorder  
By J. E. M.  
P. M.

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 Mike Cartman

Address Route 1

Queen Lake Mont

Date well started April 12, 71

completed April 20, 71

Type of well Drilled

Equipment used Shim Drill

Water Use: Domestic  Municipal  Stock  Irrigation

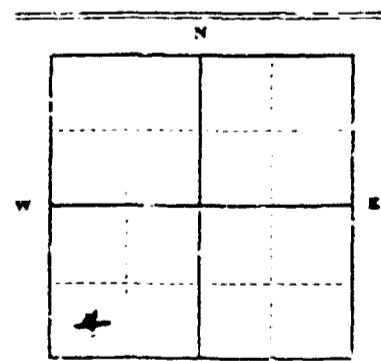
Industrial  Drainage  Other \* Garden/Lawn

\*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 187500 gal

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
<u>6 3/4</u>	<u>2 1/2" O.D.</u> <u>219600</u> <u>174</u>	<u>0</u>	<u>168</u>	<u>none</u>		



Sec 10  
27 N 19 W

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

Driller's Signature Robert W. Hudson

Driller's Address Queen Lake Mont

Box 125 59911 LICENSE NO. 103

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) 2901

From (Feet)	To (Feet)	Description
<u>0</u>	<u>12</u>	<u>topsoil sandy</u>
<u>10</u>	<u>96</u>	<u>heavy clay soil</u>
<u>96</u>	<u>145</u>	<u>clay and loam</u>
<u>145</u>	<u>166</u>	<u>hard pan layer</u>
<u>166</u>	<u>168</u>	<u>water found</u>
<u>168</u>	<u>168</u>	<u>water level 5' below ground</u>

Static water level 0 ft. tied  
Pumping water level \_\_\_\_\_ ft.  
at 15 gallons per minute,  
measured 22 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by surging  
for \_\_\_\_\_ hours.  
Power 1/2 HP  
Remarks: (Gravel packing, cementing,  
jacking, type of shutoff)  
none

168 Show exact depth of bottom

14, 407

STATE OF MICHIGAN ( SS  
COUNTY OF FLAING)

Filed on the 10<sup>th</sup> day of Apr  
A. D. 1976 at 12 o'clock M

[Signature]  
County Clerk and Registrar

By [Signature]  
Deputy

County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Wesley Turner

Address 101

Date well started 10-3-72

completed 10-6-72

Type of well Drilled

Equipment used Churn

Water Use: Domestic  Municipal  Stock  Irrigation

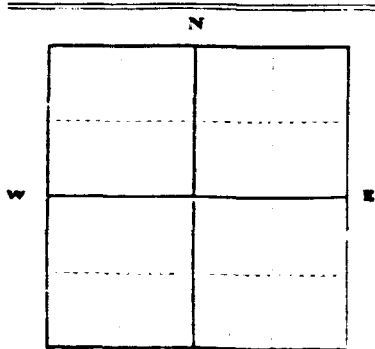
Industrial  Drainage  Other  Garden Lawn

\*Describe 1/2 acre

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 20,000 gal

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
5 3/4"	6 5/8" + 1"	156'		Kind Size From (Feet) To (Feet)
	0 0"			1 1/2" 156' - 157'
	1 1/2"			
	2 1/2"			



Static water level +1' ft.  
Pumping water level 7' 2" ft.  
at 25 gallons per minute,  
measured 27 minutes after pumping began.

\*Measured from ground level.  
Well developed by churn  
for 6 hours  
Power 6 1/2 HP  
Remarks: (Gravel packing, cementing, packers, type of throtter)

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

Driller's Signature [Signature]

Driller's Address [Address]

LICENSE NO. [Number]

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) 5200

From (Feet)	To (Feet)	Description
0	13	top soil silt
13	26	sand clay
26	33	gravel siltstone sand with brown
33	44	clay siltstone
44	131	clay siltstone
131	132	hard siltstone
132	133	hard siltstone
133	137	gravel sand water

Water flows at 3 1/2' above casing

138 Show exact depth of bottom

52,100

14,582

STATE OF MONTANA )  
COUNTY OF FLATHEAD ) SS  
Filed on the 2nd day of July  
A. D. 1973 at 10:30 o'clock A. M.  
MI  
County Clerk and Recorder  
By [Signature] Deputy

RECEIVED

T. \_\_\_\_\_ R. \_\_\_\_\_

County Flathead

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Harold H. Nelson Address Bigfork, Mont.

Driller Olsen T. Justin Address Columbia Falls, Mont.

Date Started Aug 15, 1957 Date Completed Aug 20, 1957

Location: Sec. 27 T. 27 R. 19 1/4 sec

Type of well Drilled Equipment used Shurn drill  
(Pug, driven, bored, or drilled) (Chain drill, rotary, other)

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other: Mining

Casing: 0 ft. to 144 ft. Type Black Steel Size 6"

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. None to ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations: \_\_\_\_\_

Static Water level, for non-flowing well: 10 ft. feet.

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

Pumping water level: 60 feet at 7 gal. per min.

How tested: Sailer

Length of test: \_\_\_\_\_

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

0 - 77 ft. Sandy Silt  
77 - 125 ft. tough Clay with some Gravel  
125 - 144 ft. Gravel and Sand with Clay  
144 - 145 ft. water bearing gravel and Sand

(over)



1955

1955

May

1955

William S. Mitchell

William S. Mitchell

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)

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

Owner John J. ...  
Address ...  
Date well started 10-1-71  
completed ...

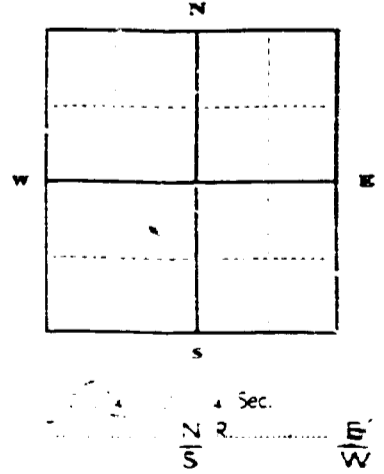
For Administrator's Use	
File	<u>...</u>
GW 1	<u>...</u>

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

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS	
				Kind Size	From (Feet) To (Feet)
<u>5 7/8</u>	<u>6 5/8 100</u>	<u>0</u>	<u>148 1/2</u>	<u>none</u>	
	<u>1 3/4</u>				
	<u>2 1/2</u>				



Static water level 15 ft.\*  
Pumping water level 45 ft.\*  
at 15 gallons per minute,  
measured 120 minutes after pumping began.  
\*Measured from ground level.  
Well developed by bottom  
for 4 hours.  
Power elec. Pump 1/2 HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)  
none

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

Driller's Signature Robert J. W. ...  
Driller's Address Susan Lake, Mont.

LICENSE NO. 103

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) 3000

From (Feet)	To (Feet)	Description
<u>0</u>	<u>87</u>	<u>fine sand &amp; silt</u>
<u>87</u>	<u>130</u>	<u>Red and clay soil on colluvium</u>
<u>130</u>	<u>141</u>	<u>clay and sandstone</u>
<u>141</u>	<u>149</u>	<u>silty sand</u>
<u>149</u>	<u>...</u>	<u>...</u>

149 Show exact depth of bottom

14,359

STATE OF MONTANA }  
COUNTY OF FLATHEAD } SS  
Filed on the 2 day of Nov  
A. D. 1921 at 10:30 o'clock PM  
Geo  
County Clerk and Recorder  
By M. J.  
Deputy

File No. ....

GW 4

T. 27 R. 19

County Flathead

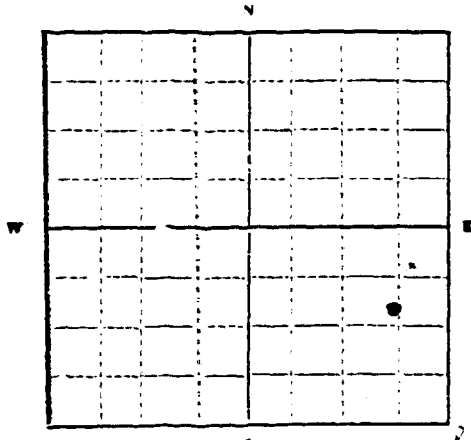
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Frederick E. Butterfield 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:



SE 1/4 Sec. 28 T. 27 R. 19 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 private household use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been March 1962  
continuous use

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March 1962

8. The depth of water table 137 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled well 142 feet 7" steel pipe

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

11. The log of formations encountered in the drilling of each well if available 0 - 127 feet Clay  
127 - 129 ft. Coarse sand 129 - 140 ft. Clay  
140 - 142 ft. Gravel and water

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 No information.

Signature of Owner Frederick E. Butterfield

Date December 31, 1963

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

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

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

26672