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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

Address

Date well started

completed

Type of well

Equipment used

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

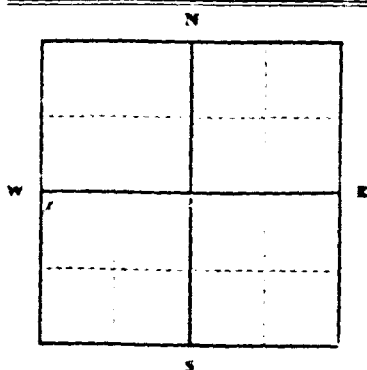
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*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
7" O.D.	2 3/4"	105'		Kind Size From (Feet) To (Feet)



Static water level 155 ft.\*  
Pumping water level 50 ft.\*  
at 4 gallons per minute,  
measured minutes after pumping began.

\*Measured from ground level.

Well developed by 4 hours.

Power Pump HP

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

Section

T. N. R. E. S. W.

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

Driller's Signature

Driller's Address

LICENSE NO.

County

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)
3 ft	Top soil
11 ft	Sand
	Clay cobbles
15 ft	Sand
	Clay
	Muddy water
93 ft	Silt
	Coarse
	Light color
160 ft	
	Gravel
	Cobbles
	Coarse water
	Sand
155 ft	Show exact depth of bottom

#14642

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County Clerk /  
For L.L.W. City of

File No. ....

GW 4

T. 28 R. 20

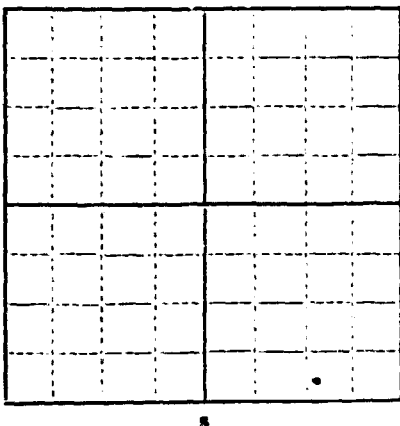
County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Broeder Brothers Lumber Co. of Route 4 Kalispell  
(Name of Appropriator) (Address) (Town)  
County of Flathead State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 456 Sec. 12 T. 28 R. 20

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 supply for steam boilers
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.  
July 31, 1957  
Every day since
4. The amount of groundwater claimed (in miner's inches or gallons per minute).  
250 gal per min. - flowing well  
(above volume bailing capacity per driller)
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.  
not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
flowing well with submersible pump  
installed - located as per graph marked  
upper left
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.  
Began and completed July 1957
8. The depth of water table.  
115'
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 - 7" OD iron casing - 115'
10. The estimated amount of groundwater withdrawn each year.  
1,051,200 gal
11. The log of formations encountered in the drilling of each well if available.  
not applicable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.  
not applicable  
recorded at Flathead County Court case but do not have reference available

Broeder Brothers Lumber Co.

Signature of Owner by *For Broeder Brothers Lumber Co.*

Date December 26, 1963

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

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

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

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12894

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area 7

File No. ....

SW :

T 28 R 20

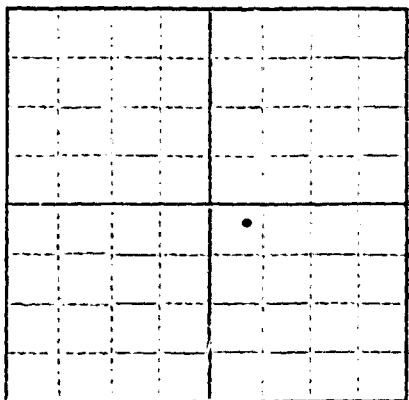
County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Gordon I. Broeder of Route 4 Kalispell  
(Name of Appropriator) (Address) (Town)  
County of Flathead State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



nw 1/4 Sec. 15 T28 R20

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 consumption
3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been..... July 20, 1958
4. The amount of groundwater claimed (in miner's inches or gallons  
per minute)..... 250 gal per min - flowing well  
(above volume bailing capacity per driller)
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  
1/4 acre lawn and garden of appropriator
6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal.....  
flowing well  
located as per graph upper left
7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater..... Began and completed July 1958
8. The depth of water table..... 103'
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 - 7" OD iron casing - 103'
10. The estimated amount of groundwater withdrawn each year..... 1,051,200 gal
11. The log of formations encountered in the drilling of each well if available..... not applicable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record..... well is recorded at Flathead County  
Court house but do not have references available

Signature of Owner

Gordon I. Broeder

Date December 27, 1963

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

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.

23065

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Form No. \_\_\_\_\_

GW 4

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

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**RECEIVED**  
MAR 14 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

**Benjamin P. & Hazel Gordon** of **Rte. 4, Kalispell**  
(Name of Appropriator) (Address) (Town)  
County of **Flathead** State of **Montana**  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

	X

SE 1/4 NE Sec. 15 T39N R20W

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

2. The beneficial use on which the claim is based.  
**Domestic-stock, yard and garden irrig.**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. **1949 Continuous**
4. The amount of groundwater claimed (in miner's inches or gallons per minute). **15 gal 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.  
**Used over 1 acre nearest dwelling**
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
**Gravity flow**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. **1949**
8. The depth of water table. **This is a flowing well**
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 to depth of 90 ft.**
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

*Benjamin P. Gordon*  
Date *Hazel Gordon*  
*Feb. 23-63*

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.

2904



9577

STATE OF MONTANA : ss  
COUNTY OF FLAARAD : ss  
Filed on the 28 day of Feb  
A.D. 1963 at 10:00 Clock A.M.  
b6 m  
County Clerk and Recorder  
By m. j.  
Deputy

File No. ....

GW 4

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

County. ....

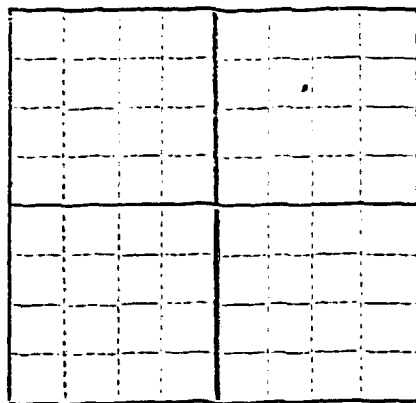
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ronald M. Hunt of Helena Helena  
(Name of Appropriator) (Address) (Town)  
County of Flathead State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE Sec. 15 T28 R20

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  
household and irrigation

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been March 12 - 1959  
and used continuously

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 3000 gpm per hour

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater Commenced March 7 - 1959  
Completed March 12 1959

8. The depth of water table Flowing well

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 flowing well - 30 gpm per minute  
25 ft deep - 2" O.D. steel casing

10. The estimated amount of groundwater withdrawn each year 6 million gals

11. The log of formations encountered in the drilling of each well if available from 2 ft to 47 ft  
25 ft deep - 2" O.D. steel casing  
47 ft to 59 ft - light color sandstone  
59 ft to 64 ft - brown sandstone - water flow @ 30 gpm  
64 ft to 72 ft - light color sandstone - water flow @ 30 gpm  
72 ft to 80 ft - flowing bed of gravel

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record see May 7 - 1959 at 922 M.  
Helena Montana County of Flathead

Signature of Owner Ronald M. Hunt

Date Jan 23 - 1963

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

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

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



1700  
size 7" 0.28

10,349

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MAY 6  
DIVISION  
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Arnold Grob Address Creston, R44  
Driller Homer McCarty Address 945-8th Ave  
Date Started Mar 7, 1959 Date Completed Mar 12/59  
Location: Sec. 5 T. 28 R. 20 1/4 sec. NW 1/4 NE 1/4 T-7

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to 75 ft. Type steel Size 7" O.D.

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

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

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ to ft. \_\_\_\_\_

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

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

Shut-in pressure, for flowing well: 1600 L.P.H. lb. sq. in. on: \_\_\_\_\_ (date) \_\_\_\_\_

Pumping water level: \_\_\_\_\_ feet at 3000 gal. per min. 44

How tested: tailer

Length of test: 2 hrs.

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

(over)

Depth, feet		Description of Material Drilled
From	To	

2' 47' sandy clay

47' 59' light color ~~black~~ Hard pan

59' 64' Brown color Gravel + water  
flow @ 300 G.P.H

75 ft Gravel, flowing 603 G.P.H.

27 932  
27611  
204

18,249

File No. 6

GW 2

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

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)

Top of Ground

(Elev. above sea level 2989)

Scale:

1 space = 10 Feet

Clay - Gravel  
Mixture - 155'

Water Sand (12')  
Bottom of Well

Owner Dr. Earer F. Higgins Address 129 Charlotte, KalispellDriller Argyle Hendrickson Address Rte. 3, Kalispell

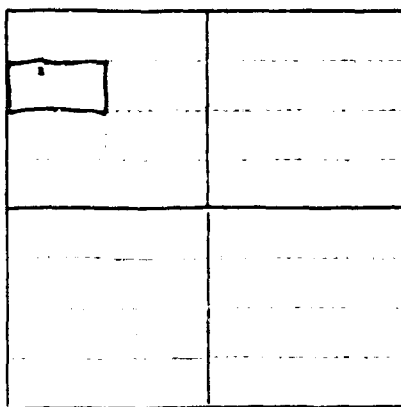
Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started Oct. 12, 1965 Date Completed Oct. 25, 1965Type of well Drilled Equipment Used Drill  
(dug, driven, cased 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"	7.00	0	170'			
	2" - 25.00					



NW 1/4 Sec. 15 T28N R20W  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Exact depth - 170 Feet

Static Water Level for non-flowing Well 35 feet.Shut-in Pressure for Flowing Well Not ApplicablePumping Water Level 60 feet at 12 gal. per minute.Discharge in gal. per min. of flowing well Not ApplicableHow Tested Boiler Length of Test 4 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.

Driller's License Number 153

Argyle Hendrickson  
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.

4-869

13,932

STATE OF MONTANA )  
COUNTY OF FLATHEAD ) SS

Filed on the 6 day *Dec*  
A.D. 19*45* at *11:30* o'clock *P*.M

*Sen*  
County Clerk and Recorder

By *Sen*  
Deputy

File No. ....

SW 4

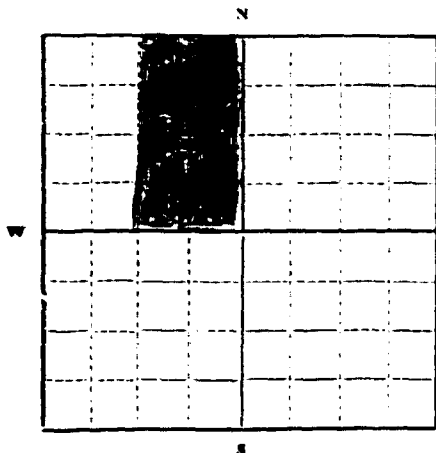
T. N R. 2County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

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

1. J. G. Hochstetler of R. 4 Kalispell  
(Name of Appropriator) (Address) (Town)  
County of Flathead State of MONT.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 15 T. 28 R. 20

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

2. The beneficial use on which the claim is based Domestic use  
Stock, household and garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940  
Continues since then
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 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  
Small Garden Patches
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Pressure Pump System
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
Not available
8. The depth of water table 65 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 - 4" casing  
65' deep
10. The estimated amount of groundwater withdrawn each year Not available
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  
Don't know of any

Signature of Owner

J. G. HochstetlerDate Dec. 30, 1963

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

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

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

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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. William Long Name of Appropriator  
County of Richmond State of Montana  
Address Easton Ave Kalispell (Town)  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:


W E  
S

S. 11.1 Sec. 15 T. 28 R. 20

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 irrigation purpose

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since 1955 to present 1963

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1000 gal per hr 16 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 irrigate 5 acres of meadow

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater commenced Dec 21/954 completed Dec 11th/954

8. The depth of water table flowing well 9.16 ft. in pressure

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 one casing 30-36 per ft. depth 159 ft.

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

11. The log of formations encountered in the drilling of each well, if available 0 to 6 ft. top soil 6 ft 144. hard pan 144. to 153. - all 153 to 158. cemented gravel 158 to 159. black heavy gravel

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

Signature of Owner W Long  
Date Dec 30/1963

This is 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 to the Appropriator.

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30 Dec  
63 ~~24~~ 2  
Glen E. Mackinnon  
Smith

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

T. 12 N. R. 12 E. S. 12

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
Office Of State Engineer

County \_\_\_\_\_

DUPLICATE

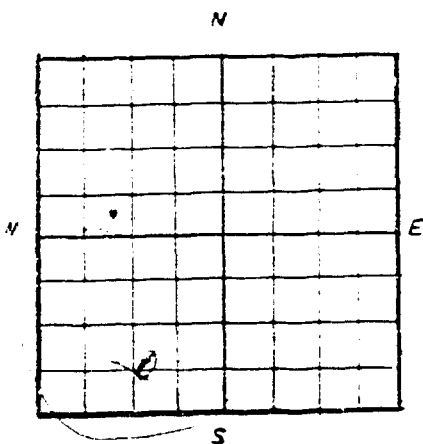
DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chap. 137 Mont. Session Laws, 1961)

DEC 30 1963

STATE ENGINEER

I, John W. Smith, of Bozeman address Bozeman town Bozeman  
County of Blaine State of Montana

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



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

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

2. The beneficial use on which the claim is based For irrigation of 100 acres of land

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1947 - 1963

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

5. If used for irrigation, give acreage and description of the lands to which water has been applied and name of the owner thereof 100 acres of land owned by John W. Smith

6. The means of withdrawing such water from the ground and location of each well or other means of withdrawal 100 miner's inches

7. Date of commencement & completion of construction of well, wells, or other works for withdrawal of groundwater 1947 - 1963

8. Depth Of Water Table 100 feet

9. As it may be available, type, size, depth of each well or general specification of any other works for withdrawal of groundwater 100 miner's inches

10. Estimated amount of groundwater withdrawn each year 100 miner's inches

11. The log of formations encountered in drilling each well (if available) 100 miner's inches

12. Other information useful in carrying out policy of this act, including Book & Page of any county record 100 miner's inches

Signature John W. Smith  
(owner)

Date 12/30/63

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

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

10.154

223.0 sec  
03.10 sec  
46.71  
29.44

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)

Owner Flathead County Address St. Ignace, MontanaDriller John & Justin Address Columbia FallsDate of Notice of Appropriation of Groundwater Nov. 6, 1963Date well started March 13, 1964 Date Completed March 20

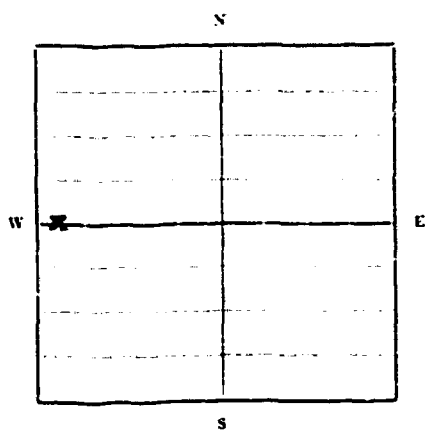
Type of well Drilled Equipment Used Churn drill  
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

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 7 ft. clay  
7 to 12 ft. sand  
12 to 134 ft. gravel  
134 to 139 ft. gravel  
139 to 144 ft. gravel  
144 to 154 ft. gravel

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7" 2.2	0	134	none		
7"	7" 1 1/2					



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 roughly 100 feet.Shut-in Pressure for Flowing Well non-flowingPumping Water Level 30 feet at 30 gal. per minute.Discharge in gal. per min. of flowing well non-flowingHow Tested Test Length of Test 5 min.

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

Driller's License Number 53

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.

9930

STATE OF MINNESOTA SS  
COUNTY OF PLATHEAD  
Filed on the 4 day of June  
A.D. 1963 at 1:45 o'clock P. M  
130  
County Clerk and Recorder  
By [Signature] Deputy

1-1-63

File No. ....

GW 4

T 28 R 20

County Flathead

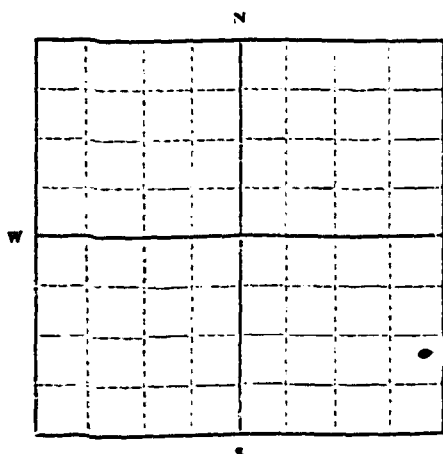
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 6 1964  
STATE ENGINEER

1. Fred C. Broeder, Jr. of Route 4 Kalispell  
(Name of Appropriator) (Address) (Town)  
County of Flathead State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



E 4 SE 1/4 Sec. 16 T. 28 R. 20

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 consumption
3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
1951 every day
4. The amount of groundwater claimed (in min. inches or gallons per minute)  
250 gal per min. - flowing well -  
(above volume bailing capacity per driller)
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
not applicable - except as for  
garden and lawn of appropriator - 1/8 acre
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
flowing well - located as per graph  
marked at upper left
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
1951
8. The depth of water table  
155'
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 - 7" OD iron casing - 155'
10. The estimated amount of groundwater withdrawn each year  
1,051,200 gal
11. The log of formations encountered in the drilling of each well if available  
not applicable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record  
not applicable  
recorded at Flathead County Court house but do not have reference available

Signature of Owner

Date December 26, 1963

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

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

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

23063



10893

31  
3 1276 <sup>dic</sup>  
- 10 m <sup>p</sup>  
204

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

GW 1

T. 22 N. R. 20 E. 16

County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground  
(Elev. above sea level 2986)

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Creston School Address Dist. 9 CrestonDriller Homer McElharty 945-8th Ave N  
Helena

Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started Oct 25/63 Date Completed Nov. 8/63Type of well Drilled Equipment Used 2 1/2" Bury-ruc  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) other) Erie

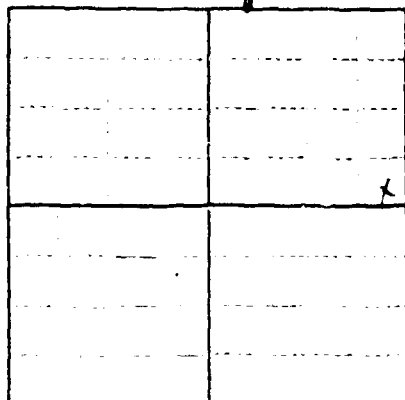
Water Use: Domestic ☐ Municipal ☐ Other ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Stock ☐

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.

Q<sup>u</sup>  
Cement  
gravel  
89 ft

Cement  
clay  
+ gravel  
158 ft

water bearing  
gravel



S. 4 NE 1, Sec. 16 T. 22 N. R. 20 E.  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

163 ft  
Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>7" O.D.</u>	<u>13#</u>		<u>163 ft</u>			

Static Water Level for non-flowing Well 2 feet.

Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 2 feet at 30 gal. per minute.

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

How Tested Trailer Length of Test 7 hrs

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

Driller's License Number 18Driller's Signature Homer McElharty

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

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

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

11 561

44 9 2:55 12:00  
ben  
P

File No. ....

GW 4

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

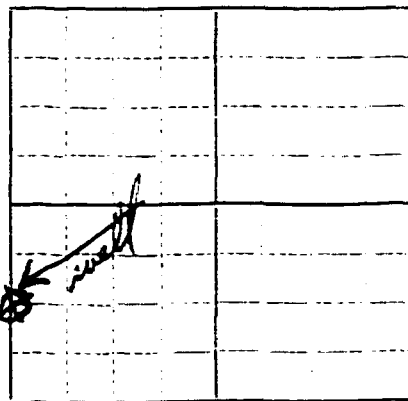
County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Silas B. Mast of FD #4 Kearseville  
(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. 1/4 Sec. 16 T. 18 R. 20

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 on domestic use

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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

House garden only.

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

Deep well pump - Electric Power

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

The date of commencement 1967 26<sup>th</sup> 1945  
The date of completion Apr. 6 1945

8. The depth of water table

18 ft.

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

166 ft.

10. The estimated amount of groundwater withdrawn each year est approx 365,000 gal.

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

none 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

none known

x Silas B. Mast  
Signature of Owner Edna M. Mast  
Date 12/31/1963

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

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

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

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13/ Dec  
63 354  
/ 2111  
28 H

RECEIVED

T. 22 N. R. 30 E. S. 10

F. No.

JUL 20 1969

County Flathead

TRIPLICATE

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level)

0 to 140 ft Coarse gravel  
& gray hard pan  
140 to 150 ft  
Brown hard pan.  
150 to 152 ft  
Hard packed water  
bearing gravel & sand

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Dr. M. C. Roberts Address Creston Montana

Driller Olsen & Gusten Address Columbia Falls Mont

Date of Notice of Appropriation of Groundwater none filed

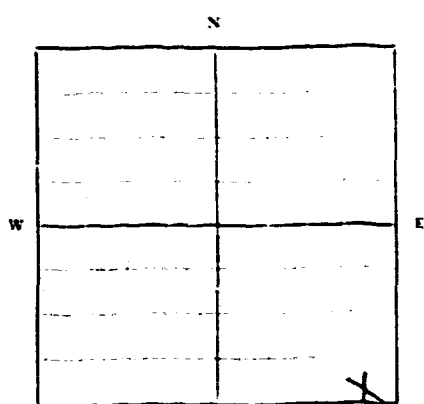
Date well started April 19-69 Date Completed May 1 1969

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

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 3/8"	7" O.D. 23 lb	0	152	none		



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 Ground level feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 106 feet at 15 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)

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.

14,005

STATE OF MONTANA SS.  
COUNTY OF FLATHEAD, SS.  
Filed on the 5 day of June  
A.D. 1969 at 8:01 o'clock A.M.  
By *[Signature]*  
County Clerk and Recorder  
Deputy

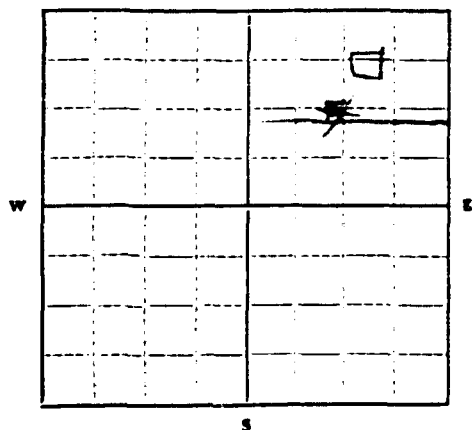
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
STATE ENGINEER

1. HOLLIS YOUNG of BIG FORT ADNT.  
(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:



24 N 24 Sec. 16 T. 28 R. 20

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.  
yard, garden & stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Oct 10, 1944 has been  
used continuously since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gal. pr. 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  
garden lot for field & yard &
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. drilling begun Oct 10, 1944  
finished Oct 19, 1944
8. The depth of water table 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.  
Casing drilled well 98 feet deep 7 in
10. The estimated amount of groundwater withdrawn each year 5,000,000
11. The log of formations encountered in the drilling of each well if available. first 25 ft sand  
& clay next 45 ft coarse gravel next 28 ft water  
gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Hollis Young  
Date Jan 28, 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.



9523

STATE OF MONTANA ss  
COUNTY OF FLATHEAD  
Filed on the 4 day of Feb  
A. D. 1903 at 2<sup>5</sup> o'clock P. M.  
G. E. M.  
County Clerk and Recorder  
By J. J. H. Deputy

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

SW 4

T. 28 N. R. 20 W.

County \_\_\_\_\_

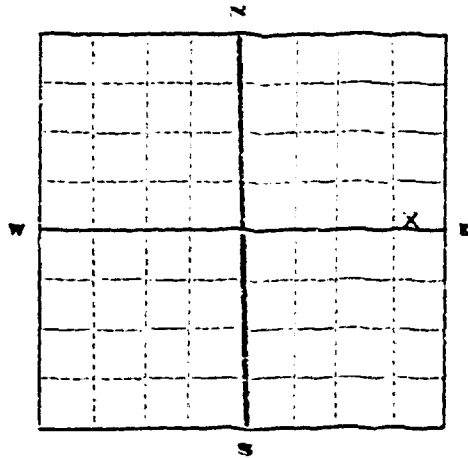
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights** JAN 6 1964

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Edw. J. Zimmerman of Cretan  
(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 NE Sec. 16 T. 28 R. 20

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 Fruit & Garden3. Date or approximate date of earliest beneficial use; and how continuous the use has been November 1954  
Continuous4. The amount of groundwater claimed (in miner's inches or gallons per minute) 600 gal. to garden5. 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  
Edw. J. Zimmerman6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal jet pump7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Oct 21, 1959 Completed Oct 30, 19598. The depth of water table 20 feet9. 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. 15 ft. 7 in. pipe10. The estimated amount of groundwater withdrawn each year 18,25011. The log of formations encountered in the drilling of each well if available Top soil - Gravel - 1st 2 ft. Water bearing gravel  
Gravel sand 15 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 Edw. J. ZimmermanDate 12-28-63

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.

22666

10489

30 Dec  
63 207 P  
Glenn E. Mathews  
Smith

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

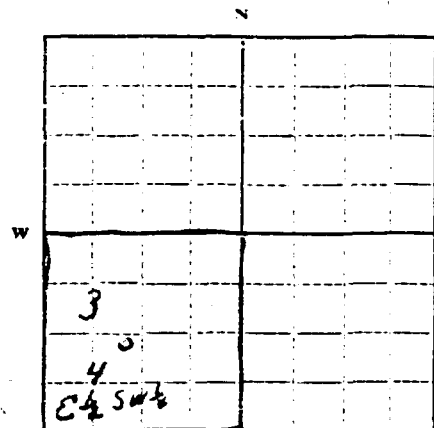
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

RECORDED  
DEC 30 1963  
STATE ENGINEER

I, Fred M. Alton of Route 4 Kalispell  
(Name of Appropriator) (Address) (Town)

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



LOTS 3-4  
E 1/2 SW 1/4 Sec 18 T. 28 R. 20

Indicate point of appropriation and place of use, if possible. Each small square represents 19 acres.

2. The beneficial use on which the claim is based HOUSE BARN AND GARDEN
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1921 DAILY
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 GALLONS PER MINUTE
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 ACRE ON LOT 4 SEC 18 T. 28 R. 20
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ELECTRIC PUMP ON LOT 4
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1921
8. The depth of water table 30 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 4 INCH CASING 3 1/2 FEET DEEP
10. The estimated amount of groundwater withdrawn each year 200 000 GALLONS
11. The log of formations encountered in the drilling of each well if available NOT AVAILABLE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Fred M. Alton

Date 12-9-63

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.

12, 208

26 Dec  
to me  
for  
of

F. No. ....

GW 4

F. No. ....

County .....

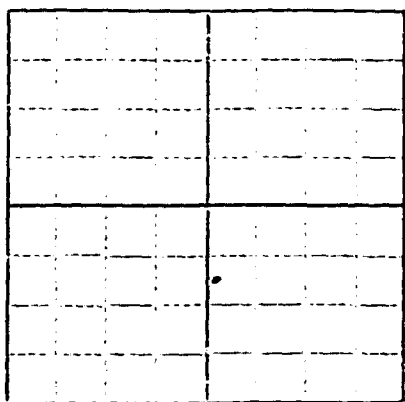
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DEC 30 1963

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. MARION & HARRIET COUNSELL of 392-2nd Ave W. N. Kalispell  
(Name of Appropriator) (Address) (Town)  
County of Flathead State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 19 T. 20 R. 20

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 & household use

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

1939 & since

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

50 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

No irrigation other than garden

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

Shallow well pump

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

1939

8. The depth of water table

10 ft

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

Shallow well pump - 4 ft wide 20 ft deep

10. The estimated amount of groundwater withdrawn each year

60,000

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

Marion Counsell  
Harriet J. Counsell  
Date 12/19/63

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.

12531

10, 1957

23/10/57  
63 1/10 1/10 1/10  
B. N.  
J. J.

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

County Flathead

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner E. H. H. Co. Address Kalispell Mont ID 4

Driller Max Schultz Address Kalispell Mont

Date Started 4/20/44 Date Completed 4-23-45

Location: Sec. 18 T. 28 R. 20 1/4 sec. 18

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

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

Casing: 20 D ft. to 215 ft. Type 10 Size 7

Casing: 5 3/4 ft. to 405 ft. Type \_\_\_\_\_ Size 5 3/4

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

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations none

Static Water level, for non-flowing well: 2 feet from top of well feet.

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

Pumping water level \_\_\_\_\_ feet at \_\_\_\_\_ gal. per min. 5 gal per min

How tested: Perforated

Length of test 2 hours

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

(over)



Depth, feet		Description of Material Drilled
From	To	
34		sand & clay
375		fat
		water & gravel
405		fat

2001 12 7-10

405 feet

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

JAN 10 1967

County Flathead

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner Richard E. Davis Address T42 Airport RdDriller Homer McClarty Address 945-8th St. G. H.

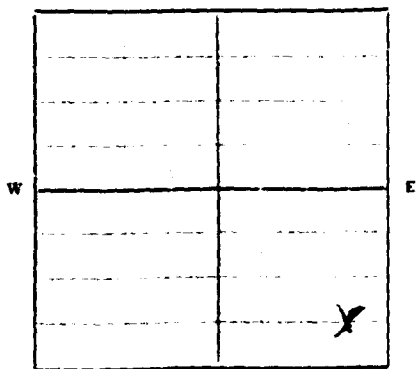
Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started Dec 9/66 Date Completed Dec 13/66Type of well Drilled Equipment Used 2 1/2" Electric Sucker  
(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" OD	23"		92'			

Top of Ground  
(Elev. above sea level 2980)  
1ft Top Soil  
Silt  
4 1/2 ft Clay  
Gravel  
7 1/2 ft Silt  
8 3/4 ft Siepage sand  
Gravel  
Water



2E13E Sec 19 T28R21

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

92 ft.  
Show exact depth of bottom.

Static Water Level for non-flowing Well 20 feet.

Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level 77 feet at 25 gal. per minute.

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

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)

Driller's License Number 18Driller's Signature Homer McClarty

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 Appropriation.

12629

...the 21st day of ...  
...-66 at 12:30 O'clock P.M.  
...  
County Clerk and Recorder  
...

GW 3

File No. ....

T 28N R 20W

County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

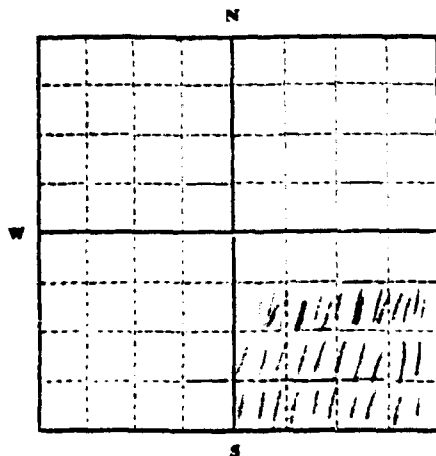
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater May 24, 1968  
James Larry Passmore &  
Owner Ruth N. Passmore Address Rt. 4, Kalispell, Mont.

Contractor (if any) None

Address of Contractor Not Applicable  
Sub-irrigation process used for more than 15 years  
Date Started Not Appli. Date Completed Not Applicable

Shaded area sub-irrigates



1/4 Sec. 19 T. 28N R. 20W  
Indicate point of appropriation  
and place of use, if possible.

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Sub-irrigation process from the waters of Egan Slough for sub-irrigation to occur, water level in Egan Slough must be maintained at not less than 2890.23 feet Somers Datum and not more than 2890.50 feet Somers Datum. Control is by gate at edge of Flathead River.

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 during 120 day growing season is 1/4 inch per day. Approximately 80 acres are effectively sub-irrigated so requirement is 200 acre feet of water during growing season. Inflow to slough must be at least .83 cu. ft. per second plus amount used from slough by pumping and other sub-irrigation and amount lost by evaporation.

Signature of Owner James Larry Passmore  
Ruth N. Passmore

Date June 25, 1968

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

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

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

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

13,823

STATE OF MONTANA |  
COUNTY OF FLATHEAD | SS

Filed on the 10 day of July  
A.D. 1905 at 8<sup>30</sup> o'clock A.M.

S.E.M.  
County Clerk and Recorder

By M.J.  
Deputy

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

T. 28N R. 20W

County Flathead

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Notice of Completion of Groundwater Appropriation Without Well

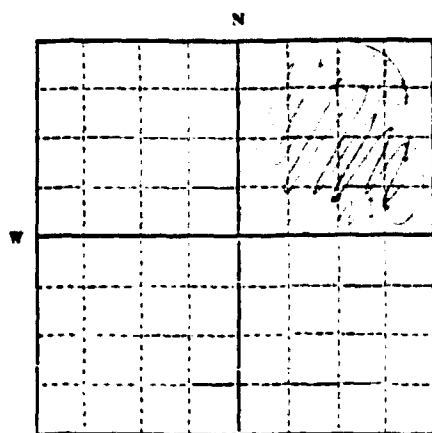
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater May 24, 1968  
Harold B. Passmore &  
 Owner Berniece J. Passmore Address Rt. 4, Kalispell, Mont.

Contractor (if any) None

Address of Contractor Not Applicable  
 Sub-irrigation process used for more than 15 years  
 Date Started Not Appli. Date Completed Not Applicable

Shaded area sub-irrigates



Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Sub-irrigation process from the waters of Egan Slough for sub-irrigation to occur. water level in Egan Slough must be maintained at not less than 2890.23 feet Somers Datum and not more than 2890.50 feet Somers Datum. Control is by gate at edge of Flathead River.

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 during 120 day growing season is 1/4 inch per day. Approximately 80 acres are effectively sub-irrigated so requirement is 200 acre feet of water during growing season. Inflow to slough must be at least .83 cu. ft. per second plus amount used from slough by pumping and other sub-irrigation and amount lost by evaporation.

Signature of Owner Harold B. Passmore

Date \_\_\_\_\_

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

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

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

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

13822

STATE OF MONTANA }  
COUNTY OF FLATHEAD } SS

Filed on the 10 day of July  
A. D. 1968 at 8 o'clock M

*S E M*  
County Clerk and Recorder

By

*M. J.*  
Deputy

File No. ....

TOW 4

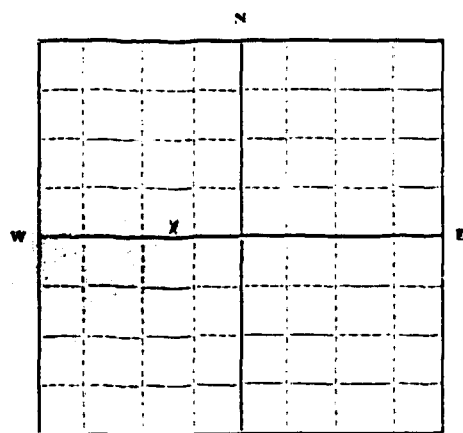
T. 28 R. 20

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)

I, Howard E. Robocek of Rt. 4 Kalispell  
 (Name of Appropriator) (Address) (Town)  
 County of Flathead State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



E 1

NW 1/4 Sec. 19 T36 R. 20

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.....  
Home, Livestock
  3. Date or approximate date of earliest beneficial use; and how continuous the use has been..... May 1949
  4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... 8 gal. 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 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..... 1945
  8. The depth of water table..... 18 ft.
  9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater..... Depth 21 ft. Sandpoint
  10. The estimated amount of groundwater withdrawn each year..... 100,000 gal.
  11. The log of formations encountered in the drilling of each well if available..... Unknown
  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..... Page 202
- Signature of Owner Howard E. Robocek  
 Date..... 12-31-63

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.

26723



10,622

31 Dec  
63 802 4  
587m  
m 2

File No. ....

GW 1

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

County Yellowstone

**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**

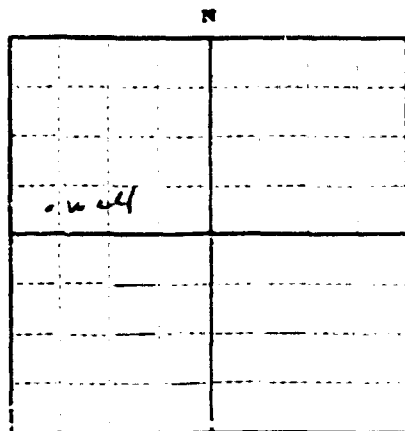
(Under Chapter 237, Montana Session Laws, 1961)

0 to 24 ft Sand & silt  
24 to 210 ft Silt  
210 to 232 ft  
Silt with gravel  
232 to 231 ft  
Waterbearing  
Gravel.

Owner Shirley E. Tate Address Kaypall, Mont.Driller Alvin J. Miller Address Chumpey, Mont.Date of Notice of Appropriation of Groundwater Now filedDate well started April 1 - 68 Date Completed April 5 - 68Type of well Drilled Equipment Used Churn  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Stock ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 3/8	7" 40 23 lbs per ft	0	231	none		



3-T-28

Sec. 19 T28 R2W  
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 35 feet.Shut-in Pressure for Flowing Well non-flowingPumping Water Level 35 feet at 40 gal. per minute.Discharge in gal. per min. of flowing well non-flowingHow Tested acher 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)

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.

1950

126 55

STATE OF MINNESOTA  
COUNTY OF ST. LOUIS  
This is to certify that on the 3 day of Sept  
A.D. 1967, at 2:00 P.M. the  
pen  
County Clerk, St. Louis County  
By  Deputy



14 703

STATE OF MONTANA )  
COUNTY OF FLAHERD ) SS  
Filed on the 6 day of June  
A.D. 1912 at 1<sup>05</sup> o'clock PM

M. J.  
County Clerk and Recorder

By dp

File No. ....

GW 1

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

County .....

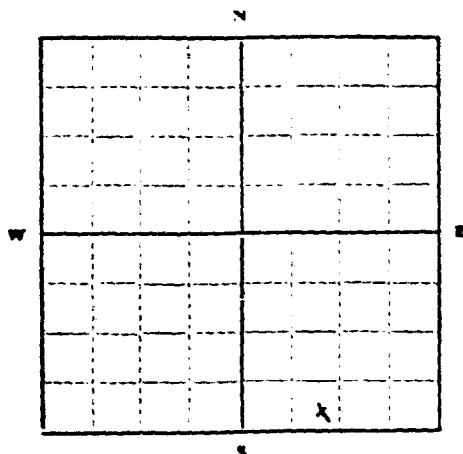
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DEC 30 1963  
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

A. Jeanine Pederson  
1. Clyde Pederson and/or of Route 4 Kalispell, Montana  
(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 1/4 SE 1/4 Sec 20 T28 R20

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  
irrigation

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been Dec 1958 to date

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 700 gal 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 for irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater Dec 18, 1958 to Dec 24, 1958

8. The depth of water table 208 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 208 ft 7" casing

10. The estimated amount of groundwater withdrawn each year 17,520,000

11. The log of formations encountered in the drilling of each well if available clay and 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 Clyde H. Pederson  
Jeanine Pederson

Date 12-20-63

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.

10, 171

63<sup>23</sup>  
355  
98m  
m. 2.

Dep

WU 100

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

T R County *Flathead*

WATER WELL LOG


Owner: *Superior Steelworks*  
Driller: *Harmon McQuay*  
Date Started: *Dec 19, 1958*  
Location: Sec. *22W*  
*Drilled* T R 1/4 sec.  
Equipment used: *valid tool*  
(Churn drill, rotary, other)

Date Completed: *Dec 24/58*

Type of well: *Drilled*  
Water use: Domestic ☒ Industrial ☐  
Casing: *17 1/2" x 17 1/2"* ft. to *205.04* ft. to *22W*  
Casing: *12" x 12"* ft. to *22W* ft. to *22W*  
Casing: *12" x 12"* ft. to *22W* ft. to *22W*  
Stock ☒ Irrigation ☐  
Other: *drainage*

T. \_\_\_\_\_ R. \_\_\_\_\_  
County Westhead

STATE ENGINEER MON

**MONTANA BUREAU OF MINES AND GEOLOGY**  
Butte, Montana

# WATER WELL LOG

WATER WELL LOG

Owner Lytle Ferguson Address Dixon Pt 4

Driller Homer McClarty Address K. Lippell

Date Started Dec 19, 1958 Date Completed Dec 24/58

Location: Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_  $\frac{1}{4}$  sec. \_\_\_\_\_

Type of well Drilled Equipment used solid tool, 22W  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other: Land

Casing: 10 ft. to 20 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:.....

Pumping water level \_\_\_\_\_ feet at 1830 gal. per min. hr.

How tested: \_\_\_\_\_

Length of test.....

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

(over)



Accepted

Depth, feet		Description of Material Drilled
From	To	
		<div style="text-align: right;">           24            25            26            27            28            29            30            31            32            33            34            35            36            37            38            39            40            41            42            43            44            45            46            47            48            49            50            51            52            53            54            55            56            57            58            59            60            61            62            63            64            65            66            67            68            69            70            71            72            73            74            75            76            77            78            79            80            81            82            83            84            85            86            87            88            89            90            91            92  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Show exact depth of bottom

14,319

UNITED STATES  
DEPARTMENT OF FLATHEADS

FILED on the 30 day of Aug  
A.D. 1971 at 10:10 PM

6877  
M.2.

RECEIVED

GW 1

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

MONTANA DEPARTMENT OF MINES AND  
GEOLOGY AND CONSERVATION

T. 5 R. 20

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)

1576  
2000-28123  
2 SEP 1973

Date of Appropriation of Groundwater June 29-73

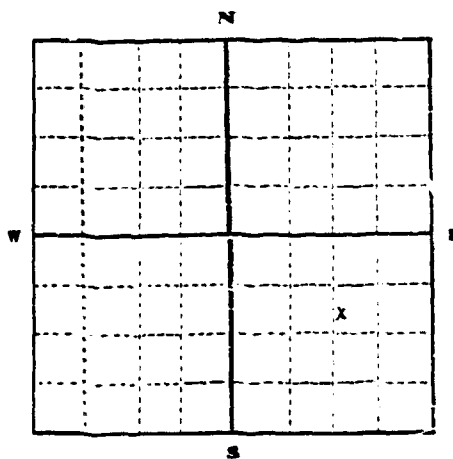
Owner James J. Simpson Address Rt 4 Kalispell

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. Spring



NE 1/4 Sec. 21 T28 R20  
Indicate point of appropriation  
and place of use, if possible.

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

12 months at 700 gpm

Signature of Owner James J. Simpson

Date 6-29-73

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.

5-2004