

File No. ....

MONTANA WATER RESOURCES BOARD  
RECEIVEDT. 20 R. 4 20

DUPLICATE

County CASCADE

LOG

OCT 16 1967

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
STATE WATER CONSERVATION BOARD

Top of Ground

(Elev. above sea level 3312)Notice of Completion of Groundwater  
Appropriation by Means of Well

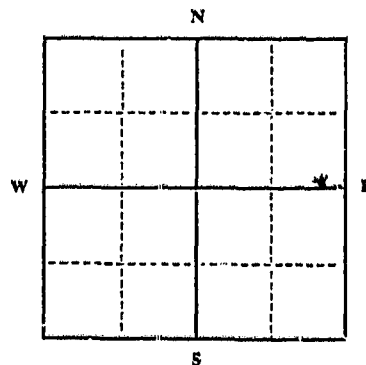
DEVELOPED AFTER JANUARY 1, 1962

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

Owner MRS. REATHA L. TRAY Address RT. 1 Box 697 Great FallsDriller MRS. REATHA L. TRAY Address RT. 1 Box 697 Great FallsDate of Notice of appropriation of groundwater October 9, 1967Date well started Nov 1965 Date completed Sept. 30, 1967Type of well DUG Equipment used BACK 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)
<u>DUG</u>	<u>CEMENT CULVERT 19"</u>					

NE 1/4 Sec. 20 T. 20 R. 4  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well

5 feet.Shut-in Pressure for Flowing Well NonePumping Water Level 8 feetat 10 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested PUMPLength of Test 1 HR.

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

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

none required

Driller's License Number

Mrs. Reatha L. Tray  
Driller's Signature.42,395

5052

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on  
Oct 9 1967

Date

at 2:10 o'clock P.M.

J. L. LENNON

County Clerk and Recorder

By *[Signature]*  
Deputy

File No. ....

T. 36 N. R. 1 E

DUPLICATE

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

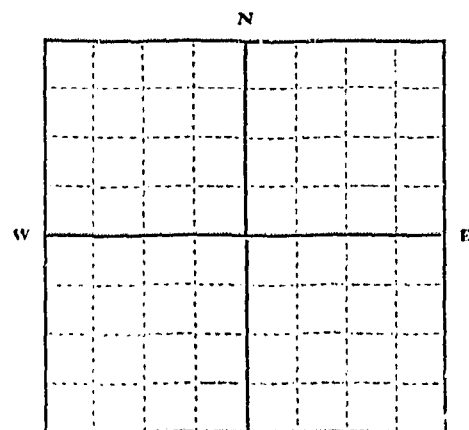
RECEIVED  
JAN 9 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Sam M. Hill, of Route 15 Great Falls,  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



E 1/2 of Lot 2 Block 2 - E Ten  
1/4 Sec. T. R. addit

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

2. The beneficial use on which the claim is based. house water  
& irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1956 continuously
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 50 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.  
E 1/2 of Lot 2 Block 2 E Ten addit  
2 1/2 acres  
Sam M. Hill
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
electric pumps  
2 wells under garage in garden
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1956 summer
8. The depth of water table. 12 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.  
dug wells 23 ft deep
10. The estimated amount of groundwater withdrawn each year. 2,000,000 gal
11. The log of formations encountered in the drilling of each well if available.  
sand & clay
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

Sam M. HillDate 12-30-1963

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.

28067

4082  
STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

DEC 30 1962

at 1:35 <sup>Data</sup> o'clock P

**J. L. LENNON**

County Clerk and Recorder.

By [Signature]  
Deputy.

File No. ....

MONTANA WATER RESOURCES BOARD

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

TRIPLICATE

RECEIVED

County. ....

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
STATE WATER CONSERVATION BOARD

Top of Ground

(Elev. above sea level.....)

Notice of Completion of Groundwater  
Appropriation by Means of Well  
DEVELOPED AFTER JANUARY 1, 1962

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

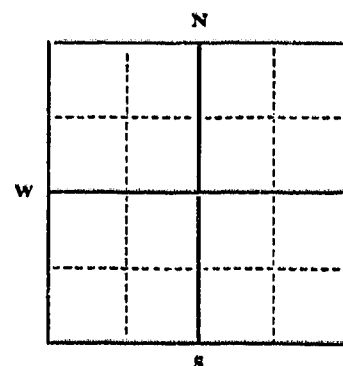
Owner. Donald J. and/or  
Anne A. Rusten Address. St. Falls, Mont.Driller. Ray Byrne Address. St. Falls, Mont.

Date of Notice of appropriation of groundwater.....

Date well started 11-17-1962 Date completed 11-22-1962Type of well drilled Equipment used diurna 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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	2 3/4" 87	0	39	Not perforated		
6-5/8"	6" 15	0	174	Not perforated		

Static Water Level for non-flowing well ..... 45 feet.

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

Pumping Water Level..... 100 feet  
at..... 40 gal. per minute.

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

How Tested gallorLength of Test..... 48 hours

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

1/4 Sec. 20, T20N, R44E  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

135  
Driller's License Number

Ray Byrne  
Driller's Signature.

42647

5058

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

DEC 5 1967

Date

at 7:00 o'clock PM

**J. L. LENNON**

County Clerk and Recorder.

By [Signature]  
Deputy

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

T. 2. S. R. 1. E.

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964

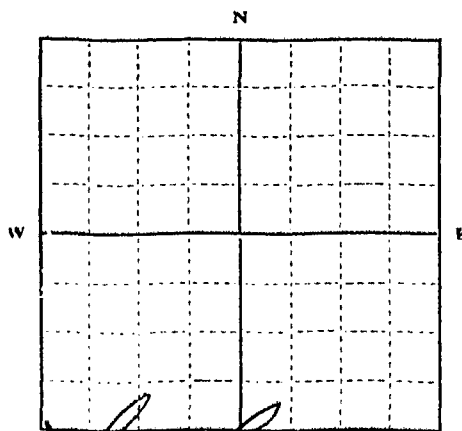
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Shirley M. Redden Roman, of North Fork South Great Falls  
(Name of Appropriator) (Address) (Town)

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



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

2. The beneficial use on which the claim is based house, garden, livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1943 continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) \_\_\_\_\_
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof \_\_\_\_\_
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal drill well pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1943
8. The depth of water table 3 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 drill well, 20 ft steel casing, 20 feet
10. The estimated amount of groundwater withdrawn each year \_\_\_\_\_
11. The log of formations encountered in the drilling of each well if available gravel & 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 2-2-2-2

Signature of Owner Shirley M. Redden Roman

Date Dec 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.

28560

4575

CLERK AND RECORDER  
CALLED COUNTY MONTANA  
I HEREBY CERTIFY THAT THE WITHIN  
INSTRUMENT WAS FILED FOR RECORD  
IN THIS OFFICE ON

DEC 31 1963

AT 4:14 P M  
AND DULY RECORDED AS DOCUMENT

NO.

J. L. LENNON  
CLERK AND RECORDER

BY [Signature] DEPUTY



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

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

DUPLICATE

County \_\_\_\_\_

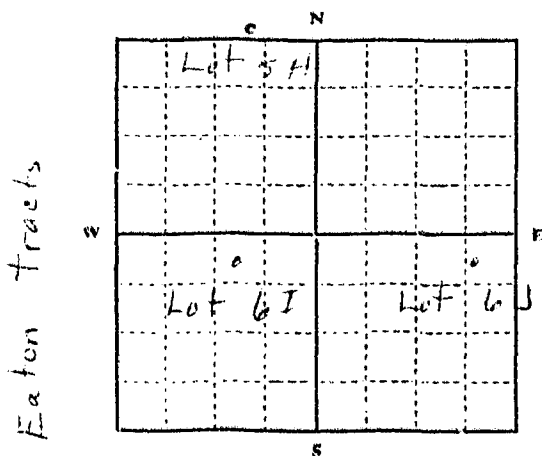
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Raymond W. and Rosellen Quam of Great Falls (Gibson Flats)  
(Name of Appropriator) (Address) (Town)

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



SE 1/4 of Sec. 20 T. 20 N. R. 4

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 use, garden, trees and lawn.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1959 - constant use.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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 acres Lot 5 H and Lot 6 J and Lot 6 I household, garden, trees, lawn.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal shallow well pumps on Lot 5 H, Lot 6 I and Lot 6 J.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater commencement and completion 1959.
8. The depth of water table depth? top of water table 12 to 15 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 shallow wells, hand dug, 15 to 27 feet deep with drawn off water by shallow well pumps.
10. The estimated amount of groundwater withdrawn each year app. 3,000 gallons per day in summer - 150 gallons per day in winter. total app. 310,500 gallons per year.
11. The log of formations encountered in the drilling of each well if available. clay, then 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 none. see knowledge.

Signature of Owner Raymond W. Quam

Date December 31, 1963

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

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

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

28609

4624

STATE OF CALIFORNIA }  
County of Santa Clara }

That the within and foregoing instrument was filed in this office on  
DEC 21 1908

at \_\_\_\_\_ 452 \_\_\_\_\_ M.

County Clerk and Recorder.

By \_\_\_\_\_ H. F. Foyett \_\_\_\_\_  
Deputy.

File No. ....

T. R. ....

DUPLICATE

County .....

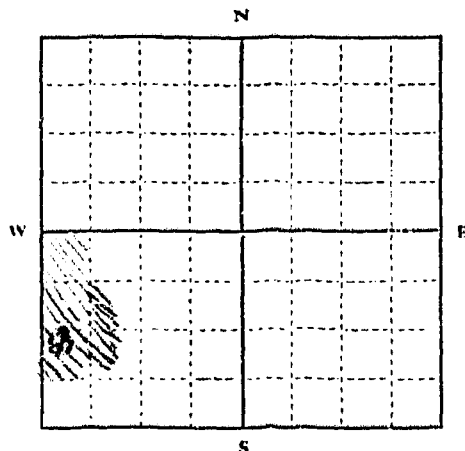
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. L. Johnson Inc., of Route 1 South Great Falls  
(Name of Appropriator) (Address) (Town)

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



SW 1/4 Sec. 21, T. 20N, R. 4E.

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 for household use, watering stock, irrigation of gardens, lawns, trees, and crop spraying  
3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous use since 1960

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

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  
5 acres of intensive crop irrigation in the NW 1/4 SW 1/4 Sec. 21, T. 20 N., R. 4 E  
L. Johnson Inc., owner

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Electric pump  
NW 1/4 SW 1/4 Sec. 21, T. 20 N., R. 4 E.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Summer of 1960

8. The depth of water table 90 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 Deep well, 6 inch encasement, 128 feet deep

10. The estimated amount of groundwater withdrawn each year 365,000 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 none

Signature of Owner L. Johnson Inc.  
[Signature] Sec.-Treas.  
Date 30 December 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.

28349

4359

CLERK AND RECORDER  
CASCADE COUNTY MONTANA  
I HEREBY CERTIFY THAT THE WITHIN  
INSTRUMENT WAS FILED FOR RECORD  
IN THIS OFFICE ON

DEC 31 1962

AT 11:44 AM  
AND DULY RECORDED AS DOCUMENT

NO.

J. L. LEWIS  
CLERK AND RECORDER  
BY D. C. Richards  
DEPUTY

File No. ....

T. 20 N. R. 4 E.

DUPLICATE

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

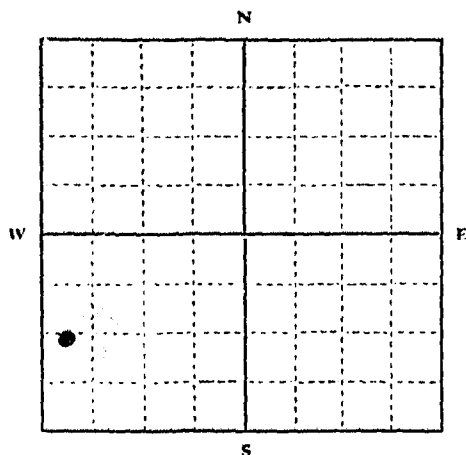
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 9 1964  
STATE ENGINEER

1. L. Johnson Inc., of Route 1 South, Great Falls  
(Name of Appropriator) (Address) (Town)

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



SW 1/4 Sec. 21, T. 20 N., R. 4 E.

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 for household use, watering of stock, irrigation of gardens, lawns and trees, crop spraying

3. Date or approximate date of earliest beneficial use; and how continuous the use has been this well has been in use continuous since approximately 1892

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

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

5 acres of intensive crop irrigation in the NW 1/4 SW 1/4 Sec. 21, T. 20 N., R. 4 E.  
L. Johnson Inc., owner

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

Electric pump  
NW 1/4 SW 1/4 Sec. 21, T. 20 N., R. 4 E.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approximately 1892

8. The depth of water table 12 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 Shallow well, 3 foot encasement, 16 foot depth

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

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 none

Signature of Owner L. Johnson Inc.  
Robert A. Johnson Sec.-Treas.  
Date 30 December 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.

28348

4358

CLERK AND RECORDER  
CASSIA COUNTY MONTANA  
I HEREBY CERTIFY THAT THE WITHIN  
INSTRUMENT WAS FILED FOR RECORD  
IN THIS OFFICE

DEC 31 1963

AT 11:42 A.M.  
AND FULLY RECORDED AS DOCUMENT

NO. \_\_\_\_\_

J. L. LENNON  
CLERK AND RECORDER

BY H. C. [Signature]  
DEPUTY

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

T. 20 R. 4 E

DUPLICATE

County Cascade

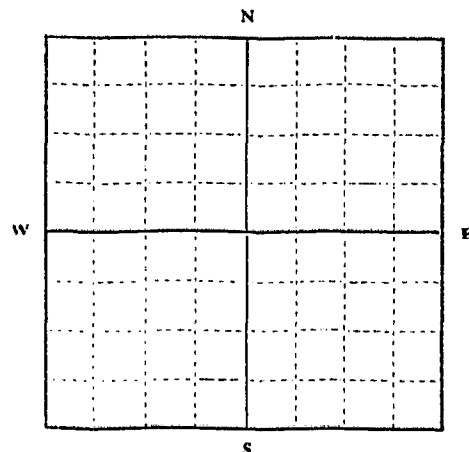
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 9 1964  
STATE ENGINEER

1. John H. & Nellie M. Pruster, of PO Box 1262 Great Falls  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec 21 T. 20 R. 4 E

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 Family use & garden
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1931 - Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) \_\_\_\_\_
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
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 1931
8. The depth of water table 5 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 Aug well - 5' concrete Culvert 22' deep
10. The estimated amount of groundwater withdrawn each year \_\_\_\_\_
11. The log of formations encountered in the drilling of each well if available gravel & 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 none

Signature of Owner

John H. Pruster  
Nellie M. Pruster  
Date Dec 31st 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.

22561

4576

CLERK AND RECORDS  
DEPT. OF JUSTICE  
WASHINGTON, D. C.  
JAN 11 1964

4:15 P

16



25

File No. ....

T. 20N R. 4 East

DUPLICATE

FEB 13 1968

County. Cascade

LOG

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**

DEVELOPED AFTER JANUARY 1, 1962

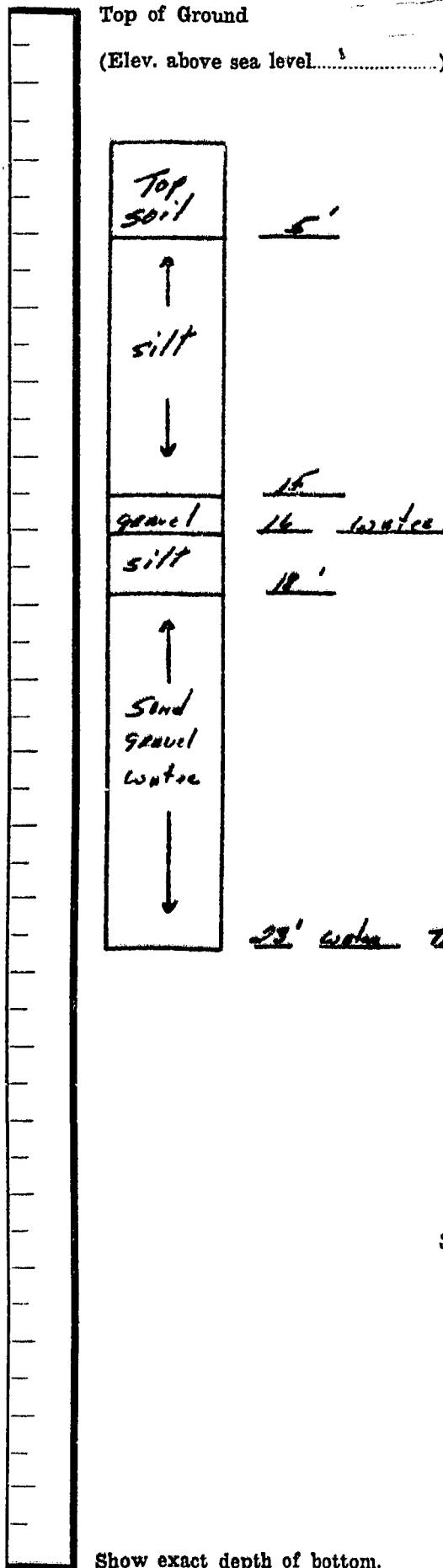
(Under Chapter 237, Montana Session Laws, 1961)

Owner. Lyman Ranch Corp. Address. Great Falls, MontDriller. Pat Byrne Address. Great Falls, Mont

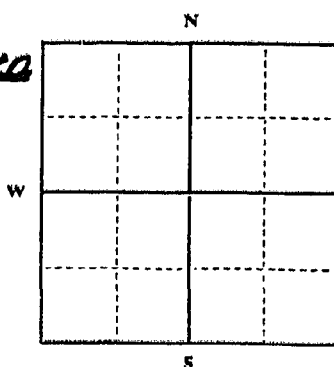
Date of Notice of appropriation of groundwater.....

Date well started. 11-18-1966 Date completed. 11-19-1966Type 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.



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"OD	7"OD 17#	6	23	NOT PERFORATED		

SE 1/4 Sec. 25, T20N, R4E  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.Static Water Level for non-flowing well  
..... 10 feet.

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

Pumping Water Level. 20 feet  
at. 50 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested. BailerLength of Test. 1 hour

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

135

Driller's License Number

Driller's Signature.

43,008

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

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

(Continue on reverse side)

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

5079

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

FEB 7 1968

Date

at 8:55 o'clock AM

**J. L. LENNON**

County Clerk and Recorder

By *REB. Bateman*

Deputy

File No. ....

T. 20 R. 4E

DUPLICATE

County .....

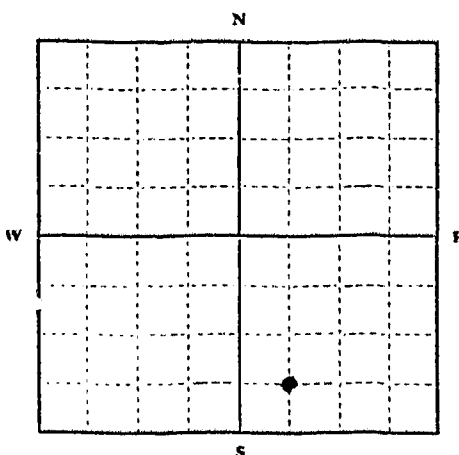
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 3 1964  
STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Lyman Ranch, of Route 1, Great Falls,  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4  
SW 1/4 SE 1/4 Sec. 25 T. 20 R. 4E

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.....  
Livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....  
1920
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....  
Entire output of well.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....  
Not used for irrigation.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....  
Pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....  
1920
8. The depth of water table.....  
Three to fifty feet depending on rainfall.
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.....  
Open well, hand dug.
10. The estimated amount of groundwater withdrawn each year.....  
Two million 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.....

Lyman Ranch

President

Date.....December 30, 1963

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

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

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

27978

3993

State of New York,  
County of Orleans.

I hereby certify that the within in-  
strument was filed in this office on

1897  
at 10:19 o'clock A.M.

V. R. LEBLANC  
County Clerk of Orleans

By B. B. B.

File No. ....

DUPLICATE

T. 20 N., R. 3 E.

County Cascade

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

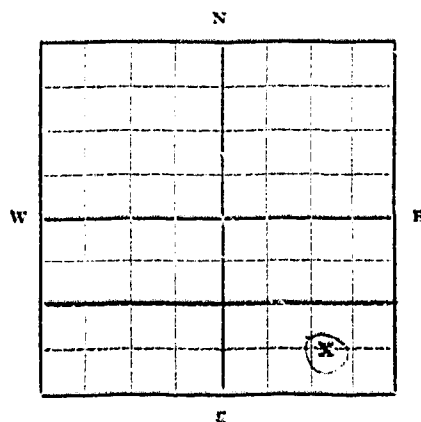
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
NOV 18 1963

STATE ENGINEER

1. Albert W. & Laura P. Prinzing, of Route 1 South, Great Falls,  
(Name of Appropriator) (Address) (Town)

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



SE 1/4 SE 1/4 Sec. 25, T20N R.3 E

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 consumption and irrigation of garden and lawn
3. Date or approximate date of earliest beneficial use; and how continuous the use has been about 1917 - continuous use 12 months of each subsequent year
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 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 approximately 10 Acres (see metes and bounds description Marked Exhibit A, attached hereto and made a part hereof) Owners - Albert W. & Laura P. Prinzing.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 1/4 inch 1/2 hp pump - 1 well only
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1917
8. The depth of water table 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 well 20 feet deep, 7 feet diameter, lined with sandstone. Bottom of well on solid clay. 1 1/2 inch pipe into well with a foot valve and coarse screen on bottom end. Concrete cover over well.
10. The estimated amount of groundwater withdrawn each year 500,000 gallons annually
11. The log of formations encountered in the drilling of each well if available sand practically all 20 feet depth of well.
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 Appropriators also have recorded water right in Book "1" of Water Rights, p. 435 dated 5/28/98 at 1:45 p.m., Clerk and Recorder's Office, Cascade County, Montana, covering 36 inches of water of Sand Coulee Creek for irrigating land described herein and other land.

Signature of Owner Albert W. Prinzing

Signature of Owner Laura P. Prinzing

Date 11/5/63

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.

County Sacramento

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 Lyman Ranch

Address

For Administrator's Use

File June 23, 1970

3:45 p.m.

Date well started 6-16-1970

GW 1 5228

completed 6-20-1970

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 ☐

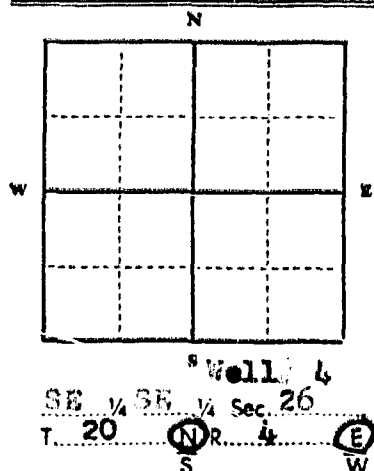
**\*Describe**

**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)
10"	8-5/8 32#	0	50	Not perforated		
8"	7" 17#	45	67	Torch	50' 62'	50' 6" 66'



Static water level ..... 38 ..... ft.\*  
Pumping water level ..... 56 ..... ft.\*  
at 20 ..... gallons per minute,  
measured ..... minutes after pumping  
began.

\*Measured from ground level.

Well developed by Dailor

for one hours.

Power..... Pump..... HP

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

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

Drill' re .....

Driller - Progress Gt. Falls, Montana

LICENSE NO. 135

## 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)	
0	38	Clay & Silt
38	50	Sandstone, gravel H <sub>2</sub> O
50	61	Sandstone Yellow Clay
61	67	Brown Sandstone Water

67

Show exact depth of bottom

76600

5228

STATE OF MONTANA  
County of Glacier  
I hereby certify that the within  
document was filed in this office on  
JUN 25 1970

at 3:45 o'clock P.M.  
N. E. LINTON  
County Clerk and Recorder

By [Signature]  
Deputy

76622



File No. ....

T. 200 R. 4 S. 26

DUPLICATE

County Cascade

## LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater  
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

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

0	Top Soil	12
10	Sandy Soil	30
20		
30		
40		
50		
60		
70		
80		
90		
100		
110		
120		
130		
140		
150		
160		
170		
180		
190		
196		

Well # 2

126  
177

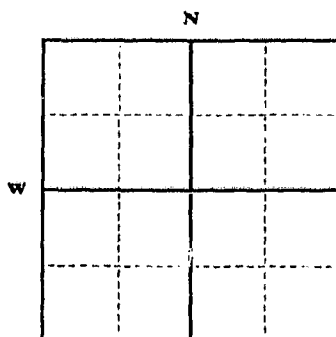
196

Show exact depth of bottom.

Owner Lyman Ranch Address S. of 24th Falls  
Driller Pat Byrne Address 2112 7 Ave. S.  
Date of Notice of appropriation of groundwater.....  
Date well started Sept. 6, 1969 Date completed Sept. 15, 1969  
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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7" OD	0	177	Not perforated		
	5 1/2" OD	0	196	"	"	"



Static Water Level for non-flowing well  
.....60.....feet.

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

Pumping Water Level.....135.....feet  
at.....100.....gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer

Length of Test 1 hour

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

SE 1/4 Sec. 26, T. 20 N. R. 4 E  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Doc. No. 5229

Filed for record

His 23 day of June

A. D. 1969 at 02:46

o'clock PM

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, tissue copy to be retained by driller.

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

46621

5729

STATE OF MONTANA,  
County of Cascade.

I hereby certify that the within  
and was filed in the office of  
the Clerk of the Court.

31846 6'clock P.M.

J. E. LEMMON  
County Clerk and Recorder.

*H. C. Nichols*  
Deputy.

File No. ....

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

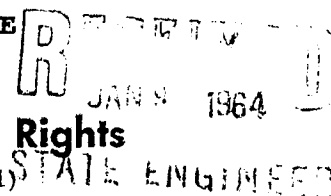
DUPLICATE

County. ....

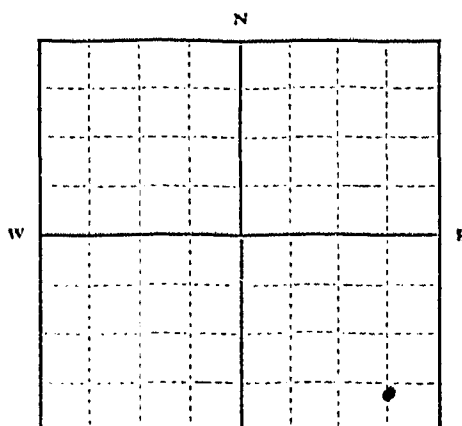
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)



1. Lyman Ranch of Route 1, Great Falls  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 26 T. 20 R. 4E

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 use, irrigation of garden plot and livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1908. Continuous use.

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

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 plot of about two acres within a radius of 1,000 feet of the well.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Well. Water is withdrawn by means of a pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1908.

8. The depth of water table. Three to fifty-five feet depending on rainfall.

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. Four-inch casing.

10. The estimated amount of groundwater withdrawn each year. Four million 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 LYMAN RANCH  
President  
Date December 30, 1963

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

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

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

27979

3994

RECEIVED  
JAN 1 1969

Thereby  
SUBMITTED

DEC 30 1968

11-00

6

of E. E. A.

File No.

DUPLICATE

T2N R 4E

County

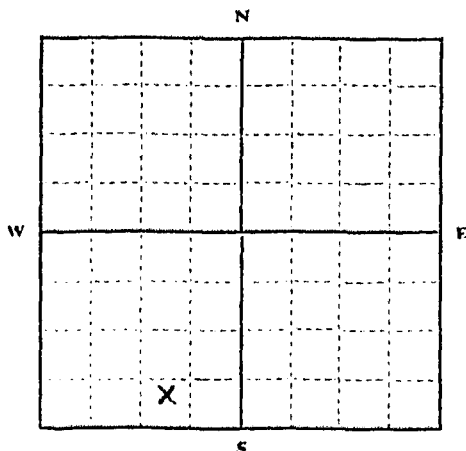
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 9 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Clayton A. Lyman, of Sandwich  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 27 T2N R4E

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 Farm Water Supply
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuously since 1946  
well much older
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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  
Clayton A. Lyman irrigation
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 Not available
8. The depth of water table 80 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  
Well is about 120 ft deep. 5 inch steel casing, cased  
well for
10. The estimated amount of groundwater withdrawn each year 75,000 gals
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  
none

Signature of Owner

Date

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

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

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

23621

4636

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within instrument was filed in this office on

21st 31st 1900  
Date  
at 4:58 o'clock PM M.

**J. L. LENNON**  
County Clerk and Recorder.

By Anna Fayett  
Deputy.

T 2 R

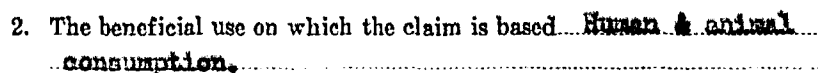
County.....

RECEIVED  
JAN 1 1964

# Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

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



4. The amount of groundwater claimed (in miner's inches or gallons per minute) All groundwater encompassed by land  
description.

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. Mechanical Pump well located per grant.

S. 1/4, Sec. 28 T. 20 R. 4E  
 S. 29 20 4E  
 Indicate point of appropriation  
 and place of use, if possible. Each  
 small square represents 10 acres.

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

8. The depth of water table.....Unknown

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. Unknown.

10. The estimated amount of groundwater withdrawn each year Unknown

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 Unknown.

Signature of Owner \_\_\_\_\_

Date **December 30, 1963**

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

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

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

28495

4N-08

CLERK AND RECORDER  
CASLARE COUNTY, MONTANA  
I HEREBY CERTIFY THAT THE ABOVE  
INSTRUMENT WAS FILED IN THE  
IN THIS OFFICE ON

APR 21 1908

*[Signature]*



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

T 20 N R 4 E

DUPLICATE

County \_\_\_\_\_

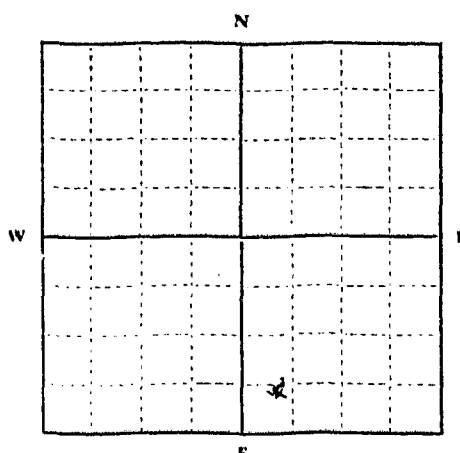
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 1964

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elbridge Lyman, of Sand Point (Town)  
(Name of Appropriator) (Address)  
County of Cascade 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.20 N R.4 E

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 Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well was probably drilled about 1900. Has been in my possession since 1948.
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 None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Hand with
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 75 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 This is a hand-dug well about 100 feet deep. Built with 6 inch steel casing.
10. The estimated amount of groundwater withdrawn each year None in recent years
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 This is the only available water on a 240 acre tract, presently cultivated. Has often been used for livestock in times past, also for farmstead water supply.

Signature of Owner

Date

Elbridge Lyman  
Elbridge A. Lyman  
Dec 18, 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.

29619

4634

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

DEC 31 1963

at 4:57 <sup>Date</sup> o'clock — M.

J. L. BENNON

County Clerk and Recorder.

By W. F. Fugitt  
Deputy.

File No. ....

T. 20 N R. 4 E 30

DUPLICATE

County Cascade

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DEC 1 1964

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

0 to 6 Ft. Sand  
6 to 22 Ft. Yellow clay  
22 to 130 Ft. Gray clay  
130 to 150 Ft. Sandstone  
150 to 156 Ft. Gravel (water)

Owner Ayrshire Dairy Address P.O. Box 2387 Great FallsDriller Soemichsen Drilling Co. Address Route 1 So. Great Falls

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

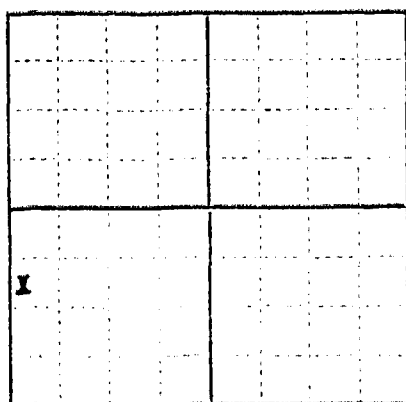
Date well started 4/19/64 Date Completed 4/29/64

Type of well Drilled Equipment Used Rotary  
(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)
8"	6" O.D. 10 3/4 lb.	0	153	none		



N  
W  
E  
S  
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 60 feet.Shut-in Pressure for Flowing Well not flowingPumping Water Level 100 feet at 80 gal. per minute.Discharge in gal. per min. of flowing well not flowingHow Tested Bailer test 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) 10Cemented around casing from 0 to 153 ft.

51

Driller's License Number

*Arnold Soemichsen*  
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.

4813

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on  
DEC 14 1964

at 3:35 o'clock P.M.

J. L. LENNON  
County Clerk and Recorder.

by McDonald  
Deputy.

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

St. Falls Cemetery Asso.

Owner .....	For Administrator's Use File <u>5241</u> <u>August 28, 1971</u> <u>2:45 P.M.</u>
Address <u>415 St. Falls St.</u>	
<u>Bank Bldg.</u>	
Date well started <u>July 6, 1970</u>	
completed <u>July 22, 1970</u>	GW 1

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
8"	17.7"	0	312	Kind Size From (Feet) To (Feet)
6-5/8"		312	325	NOT PERFORATED

N


W E

S

NE 1/4 NW 1/4 Sec. 30  
T. 20 N. R. 4 E  
S W

Static water level 140 ft.\*  
Pumping water level 312 ft.\*  
at 3 gallons per minute,  
measured 60 minutes after pumping began.  
\*Measured from ground level.  
Well developed by bailer  
for 1 hours.  
Power..... Pump..... HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature [Signature]  
Driller's Address Great Falls

LICENSE NO. 135

County Jacinto

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)	
0	3	top soil
3	6	soft shale
6	20	red shale & rock
20	30	br sandstone
30	60	gray hard shale
60	85	sandstone br
85	100	variegated
100	115	sandstone gray
115	130	red rock - firm
130	145	gray lime - firm
145	160	sunburst water 2gpm
160	170	black shale
170	197	gray shale & shells
197	200	sand - hard
200	218	gray & pink shale
218	230	soft shale
230	240	green shale - firm
240	260	hard gray lime
260	280	gray lime & hard shells
280	287	gray limey shale
287	292	gray limey shale
292	295	black lime - hard
295	312	gray limey shale
312	318	black limey sand
318	320	sand
320	325	H. lime

325 Show exact depth of bottom

417 457

5241

STATE OF MONTANA, }  
County of Cascade. }

I hereby certify that the within in-  
strument was filed in this office on

**AUG 28 1970**

Date

at 3:45 o'clock P M

**J. L. LENNON**

County Clerk and Recorder

By

R. E. Baleman

Deputy

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner Great Falls Cemetery Assoc.

Owner

Address 415 Gt. Falls Nat.

Bank Bldg.

Date well started July 6, 1970

completed July 22, 1970

For Administrator's Use

File 5241  
August 21, 1971  
2:45 P.M.

GW 1

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used churn drill

(Churn drill, rotary or other)

Water Use: Domestic ☒ Mun' s' ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

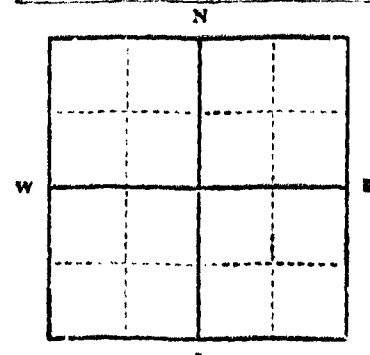
\*Describe

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

328,500 Gals.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
8"	17 7/8"	0	312	NOT PERFORATED
6-5/8"		312	325	



Static water level 140 ft.\*  
Pumping water level 312 ft.\*  
at 3 gallons per minute,  
measured 60 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by bailer  
for 1 hours.  
Power          Pump          HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff)

N 1/4 NE 1/4 Sec. 30  
T. 20 N. R. 4 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 Great Falls

LICENSE NO. 135

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

(Feet above or below)

From (Feet)	To (Feet)	
0	3	top soil
3	20	soft shale
20	30	red shale & rock
30	60	br sandstone
60	85	gray hard shale
85	100	sandstone br
100	115	variegated
115	130	sandstone gray
130	145	red rock - firm
145	160	gray lime - firm
160	170	sandstone water 200m
170	172	black shale
172	197	gray shale & shells
197	202	sand - hard
202	218	gray & pink shale
218	230	soft shale
230	240	green shale - firm
240	260	hard gray lime
260	280	gray lime & hard shells
280	287	gray limey shale
287	292	gray limey shale
292	295	black lime - hard
295	312	gray limey shale
312	318	black limey sand
318	320	sand
320	325	H. lime

325

Show exact depth of bottom

470 457

County Cascade

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 Joseph P. Hueth

Address 1912 - 11th Ave. So.

Great Falls, Mont. 59405

Date well started 12 May 1973

completed 31 May 1973

For Administrator's Use

File ... 5501

June 15, 1973

GW 1 9:25 A.M.

Type of well .....Drilled.

(Dug, driven, bored or drilled)

Equipment used ..... **Rotary**

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

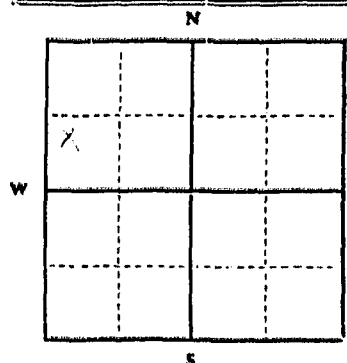
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

**\*Describe**

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

## ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	5" .250 Steel	510	175			
	3 1/2" PVC	160	240	Slotted	236	240



Static water level ..... 36 ..... ft.\*  
Pumping water level ..... 150 ..... ft.\*  
at ..... 20 ..... gallons per minute,  
measured ..... 60 ..... minutes after pumping  
began.

\*Measured from ground level.  
Well developed by Air Pump  
for 4 hours.  
Power. Cat G.D. Pump. 140 HP  
Remarks: (Gravel shucking, cementing,  
packers, type of shutoff)

## Casing Cemented

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

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

Driller's Address 503 - 34th St. N.W.

Great Falls, Mont. 53404

LICENSE NO. 214

### 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)	
8fc	2	Soil
2	52	Sand
52	180	Clay
180	203	Clay with some rock
203	236	Sandy Clay with some rock
236	240	Sand

**BOX 240**

Show exact depth of bottom

53,634



5501

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

**JUN 15 1973**

9:25 o'clock A.M.

**J. L. LENNON**

County Clerk and Recorder.

J. S. Wilson  
Deputy.

File No.

T. R. U.

DUPLICATE

County

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 1 1962  
STATE ENGINEER

# Declaration of Vested Groundwater Rights

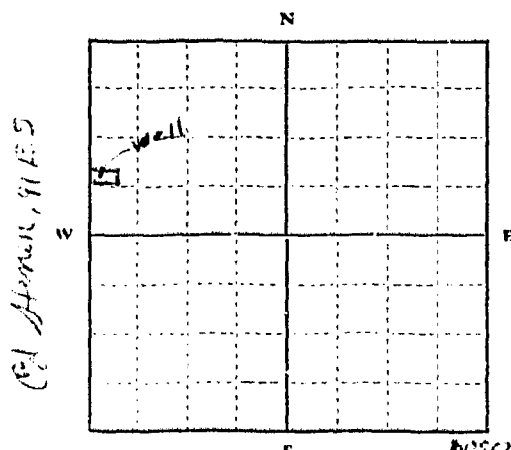
(Under Chapter 237, Montana Session Laws, 1961)

1. George E. & Sarah E. KENISON, of Route 1 So. Denver Park, Great Falls  
(Name of Appropriator) (Address) (Town)

County of Cascade

State of Montana

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



SW 1/4 NW 1/4 Sec. 31 T. 20 N. R. 4 E.

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, irrigation & for livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been September 14, 1955  
and continuous use since

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

the E. 300 feet of the W. 330 feet of the north 240 feet of the south 885.6 feet of Lot 2 (SW 1/4 NW 1/4) Sec. 31, T. 20 N., R. 4 E. containing 166 acres. Starting at the Northwest corner of said tract going east 87 feet on the north boundary thence 98 feet South to location of well. Owners George E. & Sarah E. KENISON

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal location of well described above in description of the tract. water drawn by means of electric jet water well pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater commenced drilling well September 8, 1955 and completed construction of well September 14, 1955

8. The depth of water table from bottom of well to static water level 127 feet or water level 40 feet from top of ground.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater well drilled 167 feet deep with heavy duty 4 1/2 inch O.D. water well casing all the way down.

10. The estimated amount of groundwater withdrawn each year 4,700,000 gallons per year.

11. The log of formations encountered in the drilling of each well if available 0-3 feet loam, 3-16 feet sand, 16-17 1/2 feet sand, 17-161 feet gray silt, 161-162 feet loose sand, 162-167 feet gravel 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 put on record with the STATE ENGINEER by E. D. Rafferty, well driller, License No. 28, upon completion of well.

Signature of Owner

George E. Kenison  
Sarah E. Kenison  
Date Dec 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.

29547

4560

RECORDED  
TIME 3 57 P<sub>M</sub>  
DOCUMENT NO. \_\_\_\_\_  
J. L. LENNON  
CLERK & RECORDER  
CASCADE COUNTY, MONTANA  
BY A. O. [Signature]  
DEPUTY

File No.

T. R.

DUPLICATE

County.

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1962

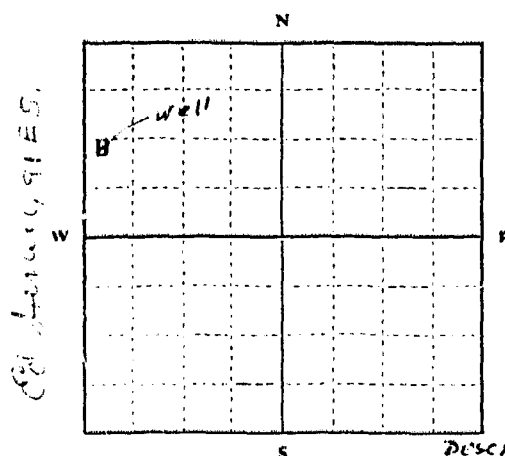
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George E. & Sarah E. Kenison, of Route 150, Donovan Park, Great Falls  
(Name of Appropriator) (Address) (Town)

County of CascadeState of Montana

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



SW 1/4 NW 1/4 Sec. 31, T. 20N, R. 4E.

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 and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been March 30, 1959 and continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 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

Beginning at a point which lies S. 89° 26' E. 280 feet and S. 6° 12' E. 20 feet from the northwest corner of Sec. 31, T. 20N, R. 4E. Thence S. 89° 26' E. 100 feet thence S. 6° 12' E. 200 feet thence N. 89° 26' W. 100 feet thence N. 6° 12' W. 200 feet to place of beginning containing area of 0.46 acres.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Starting at the southeast corner of the above said tract going north on east boundary 28 feet thence S. 1° 12' E. 20 feet west to location of well. An electric jet water well pump used to pump water.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater commenced drilling well March 22, 1959 and completed construction of well March 30, 1959.

8. The depth of water table from bottom of well to static water level 141 feet or water level 60 feet from top of the ground.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater well drilled 201 feet deep with heavy duty 5 1/2 inch O.D. casing placed all the way down.

10. The estimated amount of groundwater withdrawn each year 1,500,000 gallons per year.

11. The log of formations encountered in the drilling of each well if available 0-2 feet Sandy loam, 2-45 feet coarse sand, 45-65 feet silt, 65-115 loose sand, 115-196 silt, 196-201 gravel 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 Put on record with the STATE ENGINEER by E.D. Rofferty, well driller, License No. 28, upon completion of well.

Signature of Owner

Sarah E. Kenison

Date Dec. 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.

28548

4561

DEC 31 1963  
RECORDED DEC 31  
TIME 3:08 PM  
DOCUMENT NO.  
J. L. LENNON  
CLERK AND RECORDER  
CASCADE COUNTY, MONTANA  
DEPUTY

File No. ....

T. 20 N. R. 4 East

DUPLICATE

County Cascade

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

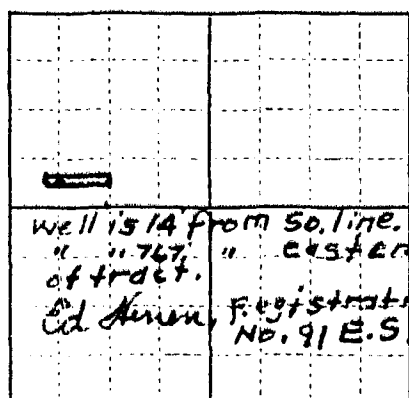
RECEIVED  
DEC 6 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Robert, Gary and Mary Klessig of Donovan Park, Great Falls,  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



South half Lot 2

1/4 Sec. 21 T. 20 N. R. 4 E. S. 11.747

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 and livestock, and irrigation about 5 acres.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. August 1961 - regular daily use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 30 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. Irrigation for lawns, gardens, trees about 4.6 acres. Irrigation - bay Robert, Gary and Mary Klessig

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. One well - Submersible pump, Location - 127 ft. from west end, and 14 feet from south fence.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Started drilling August 14, 1959, and completed August 18, 1959.

8. The depth of water table. 70 feet, pumping level would be 80 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. 5 inch ID casing, 1/4 pounds to foot, threads and collars, drilled well, 156 feet deep.

10. The estimated amount of groundwater withdrawn each year. 5,184,000 gal. per year.

11. The log of formations encountered in the drilling of each well if available. Nothing to 2 feet was sandy loam, 2 feet to 19 feet - loose sand, 19 feet to 21 feet - quick sand with a spec, 21 feet to 120 feet - silt, 120 feet to 184 feet - loose sand, 184 feet to 186 feet - gravel 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. This well was recorded at the time of drilling with State Engineer E. D. Rafferty - driller, License No. 28.

Signature of Owner

Date November 24, 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.

3453

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within instrument was filed in this office on  
DEC 5 - 1968

at 245 o'clock M.

J. L. LENNON  
County Clerk and Recorder.

By [Signature]  
Deputy.

County CLATSOP 31

55,007



5488

STATE OF MONTANA, }  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

**APR 27 1973**

at 10:55 o'clock A.M.

**J. L. LERMON**

County Clerk and Recorder

By J. L. Wilson  
Deputy

File No. ....

DUPLICATE

T. 20 N. R. 4 E

County. Cascade

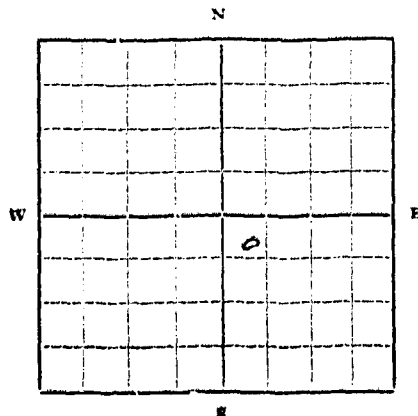
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 20 1963

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

STATE ENGINEER

1. Doyle H. Thinner of Rt. 1 Great Falls  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



107 3  
1/4 Sec. 31 T20 N R. 4 E

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

2. The beneficial use on which the claim is based Household and stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 5-1-48 daily since that time
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 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 yard and garden 1 acre
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 1/2 in. Jet Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 15 1963
8. The depth of water table Twenty feet from top
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 none
10. The estimated amount of groundwater withdrawn each year 500,000 Gallons
11. The log of formations encountered in the drilling of each well if available  
0-6 ft. Sandy loam 25-28 ft. Sand 25-67 ft. Silt 67-68 water  
1. gravel 6-8-21. Silt at bottom 91-93. Sand 93-100. 7 1/2 in. Silt
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 Doyle H. ThinnerDate 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.

10684

3612

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within instrument was filed in this office on

DEC 19 1963

at 11:45 o'clock AM

**J. L. LENNON**  
County Clerk and Recorder.

By [Signature] Deputy.

File No. ....

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

DUPLICATE

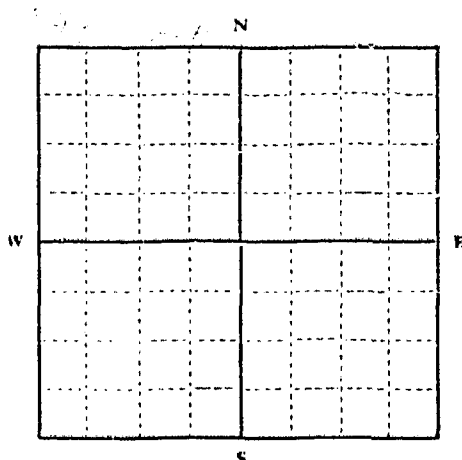
County Cascade

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. Peggy M. Murray of Route 1 So Great Falls.  
(Name of Appropriator) (Address) (Town)  
County of Cascade State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 21 T. 22 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 Home

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1959

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Not Known

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 2/3 acre

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 1959

8. The depth of water table approx 189 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 not known

10. The estimated amount of groundwater withdrawn each year not known

11. The log of formations encountered in the drilling of each well if available refer to Lafferty (driller)

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 Recorded by Lafferty of Great Falls (driller)

Signature of Owner Peggy M. Murray

Date Dec 31, 1962

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.

28346

4356

CLERK AND RECORDER  
CASCADE COUNTY MONTANA  
I HEREBY CERTIFY THAT THE WITHIN  
INSTRUMENT WAS FILED FOR RECORD  
IN THIS OFFICE ON  
**DEC 31 1963**

AT 1141 a  
AND DULY RECORDED AS DOCUMENT

NO. \_\_\_\_\_

J. L. LENNON  
CLERK AND RECORDER

BY J. Lennon  
DEPUTY

File No. ....

T. 20 N. R. 4E

DUPLICATE

County Cascade

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

MAR 14 1963

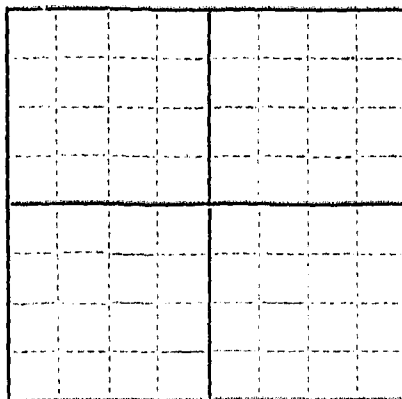
**Notice of Completion of Groundwater  
Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

NygardOwner Bill C. & or Doris L. Nygard Address Route 1 So. Great FallsDriller Sommichsen Drilling Co. Address 2300-13th Street South  
Great Falls, MontanaDate of Notice of Appropriation of Groundwater noneDate well started Oct. 15, 1962 Date Completed Nov. 1, 1962Type of well Drilled Equipment Used Rotary  
(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 1/2"	4 1/2" O.D.	0	204'	none		



Lot 2

1/4 Sec. 31 T20N. R4E.

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 48 feet.Shut-in Pressure for Flowing Well nonflowingPumping Water Level 78 feet at 15 gal. per minute.Discharge in gal. per min. of flowing well not flowingHow Tested Bailer Length of Test 1 hour

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)

Casing cemented from 0 to 204'.

51

Driller's License Number

*Arnold Sommichsen*  
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.

3293

#3264

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on

MAR 13 1963

at 11:40 o'clock a M.

**J. L. LENNON**  
County Clerk and Recorder.

By [Signature]  
Deputy.

T. 31 R. 15  
County Butte

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Butte Electric Light & Power Co. Address Butte, Mont.

Driller W. H. Brown Address Butte, Mont.

Date Started Aug. 5 Date Completed Aug. 11

Location: Sec. 21 T. 31 R. 15  $\frac{1}{4}$  sec. 21

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

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other: None

Casing: 12 ft. to 12 ft. Type None Size None

Casing: 12 ft. to 12 ft. Type None Size None

Casing: 12 ft. to 12 ft. Type None Size None

Perforated or Screened: Ft. 12 to ft. 12 Ft. 12 to ft. 12

Type of screen or perforations None

Static Water level, for non-flowing well: 70' feet.

Shut-in pressure, for flowing well: None lb./sq. in. on: None (date)

Pumping water level 71' feet at 11 gal. per min.

How tested: None

Length of test None

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

None

None

None

None

None

None

(over)



## Log of Well

Depth, feet		Description of Material Drilled
From	To	
top	12'	drift - sand & gravel underneath water level

AUG 14 1957  
12:15  
J. J. Lennon

File No. ....

T. 20N R. 4 East 31

DUPLICATE

MONTANA WATER RESOURCES BOARD

County Cascade

RECEIVED

LOG

SEP 16 1968

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
STATE WATER CONSERVATION BOARD

Top of Ground

(Elev. above sea level)

**Notice of Completion of Groundwater  
Appropriation by Means of Well**  
DEVELOPED AFTER JANUARY 1, 1962

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

Charles L. and/or

Owner Donna M. Plant Address Gt. Falls, Mont.

Driller Pat Byrne Address Gt. Falls, Mont.

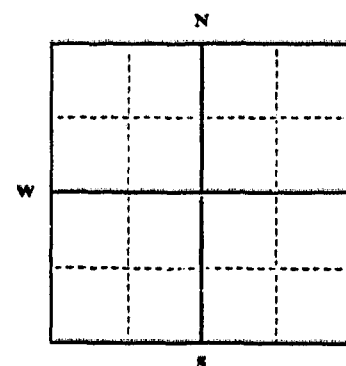
Date of Notice of appropriation of groundwater

Date well started 9-19-1968 Date completed 9-24-1968

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.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6-5/8"	6-5/8" 24#	0	159	Not Perforated		

Static Water Level for non-flowing well  
26 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 60 feet

at 20 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailor

Length of Test 8 hours

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

E. 1/4 Sec 31 T. 20N R. 4E

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

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

135  
Driller's License Number

Driller's Signature

44.566

5136

STATE OF MONTANA, } ss.  
County of Cascade.

I hereby certify that the within in-  
strument was filed in this office on  
SEP 12 1968

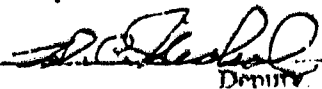
Date

at 10:30 o'clock A M

J. L. LENNON

County Clerk and Recorder.

By

  
Deputy

File No. ....

T. 20N R. 4E S. 31

DUPLICATE

County. ....

## LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
STATE WATER CONSERVATION BOARDNotice of Completion of Groundwater  
Appropriation by Means of Well  
DEVELOPED AFTER JANUARY 1, 1962

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

Robert M. and/or

Owner Ethel M. Young Address ...

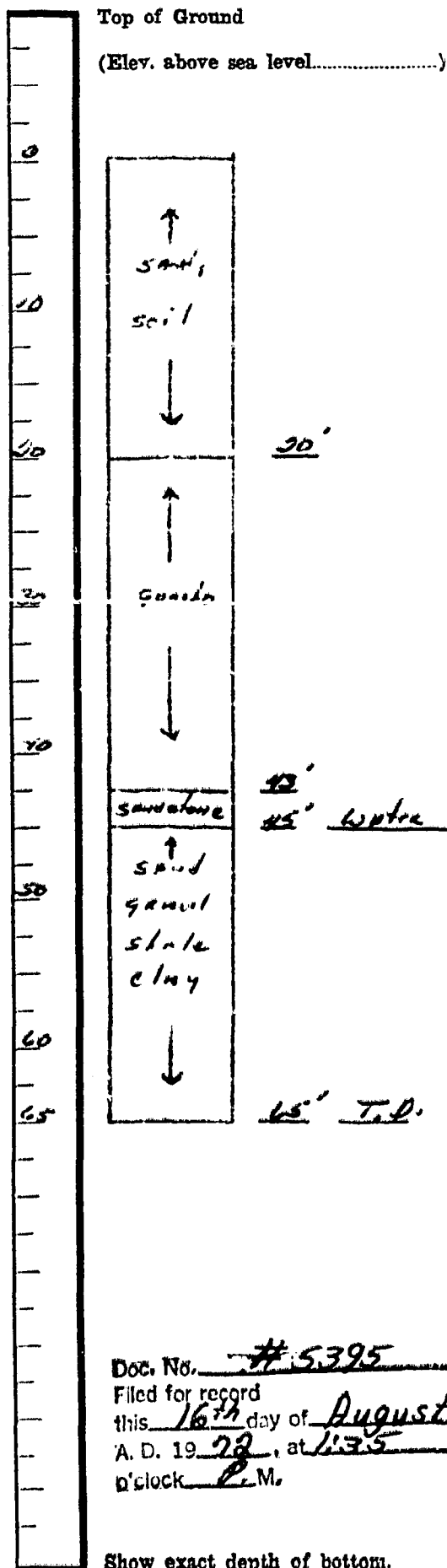
Driller ... Address ...

Date of Notice of appropriation of groundwater. ....

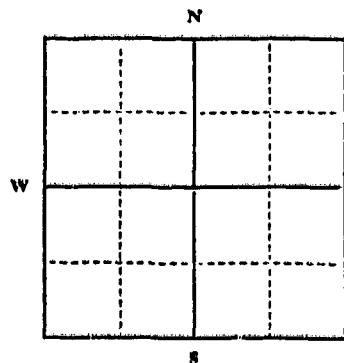
Date well started 9-25-1962 Date completed 9-25-1962

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.



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7" 17#	0	53	Not Perforated		



Static Water Level for non-flowing well ..... 43 feet.

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

Pumping Water Level..... 50 feet  
at 100 gal. per minute.

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

How Tested.....

Length of Test 2 hours

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

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

Doc. No. #5395

Filed for record

this 16th day of August

A. D. 1972, at 1:35

o'clock P.M.

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

Show exact depth of bottom.

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

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

135  
Driller's License Number

Driller's Signature

5/213