

File No.

T. 21N R. (1) E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

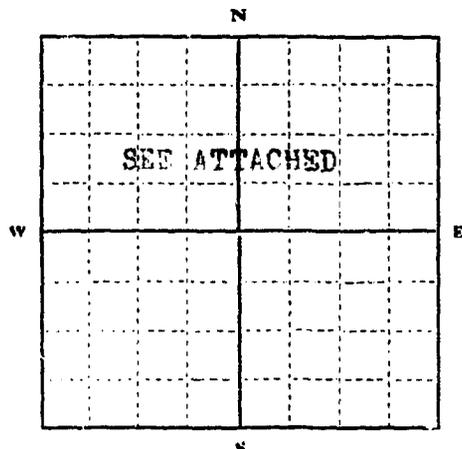
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. MARY ... (Name of Appropriator) of 1809 4th Ave. N (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. T. R.

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-watering domestic - irrigation & sub-irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. by predecessors in interest & title and by claimant since May 20 & 29th, 1959. (4) 162,925 gal per yr. sub-irrigated.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 488, 775 gals per acre per yr.
- 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. SEE ATTACHED 200 irrigable 100 sub-irrigated
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Near house, well - and ditches - See attached.
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1947 by predecessor in title.
- 8. The depth of water table. approx 6 ft. differs different places.
- 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. don't have that information except well is 98' deep.
- 10. The estimated amount of groundwater withdrawn each year. 97,755,000 gals.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. Book 318 of Deeds P. 561 County Clerk & Recorder, Cascade County

Signature of Owner B. May C. ...
Date 12/23/63

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.

3718

STATE OF MONTANA, ss.
 County of Cascade.
 I hereby certify that the within in-
 strument was filed in this office on
 DEC 23 1938
 at 1:38 o'clock P.M.
 J. L. LENNON
 County Clerk and Recorder.
 By J. J. [Signature] Deputy.

DESCRIPTION OF PROPERTY

The Southwest Quarter of the Northeast Quarter (SW $\frac{1}{4}$ NE $\frac{1}{4}$) and the Southeast Quarter (SE $\frac{1}{4}$) of Section Seven (7); the South Half of the Southwest Quarter (S $\frac{1}{2}$ SW $\frac{1}{4}$) of Section Eight (8); the North Half of the North Half (N $\frac{1}{2}$ N $\frac{1}{2}$), Southeast Quarter of the Northwest Quarter (SE $\frac{1}{4}$ NW $\frac{1}{4}$) and the Southwest Quarter of the Northeast Quarter (SW $\frac{1}{4}$ NE $\frac{1}{4}$) of Section Seventeen (17); the North Half of the Northeast Quarter (N $\frac{1}{2}$ NE $\frac{1}{4}$) and the Southwest Quarter of the Northeast Quarter (SW $\frac{1}{4}$ NE $\frac{1}{4}$) of Section Eighteen (18); the Southwest Quarter (SW $\frac{1}{4}$), South Half of the Northwest Quarter (S $\frac{1}{2}$ NW $\frac{1}{4}$), Southwest Quarter of the Northeast Quarter (SW $\frac{1}{4}$ NE $\frac{1}{4}$) and the West Half of the Southeast Quarter (W $\frac{1}{2}$ SE $\frac{1}{4}$) of Section Twenty (20); the Northeast Quarter (NE $\frac{1}{4}$), East Half of the Northwest Quarter (E $\frac{1}{2}$ NW $\frac{1}{4}$) and the East Half of the West Half of the Northwest Quarter (E $\frac{1}{2}$ W $\frac{1}{2}$ NW $\frac{1}{4}$) of Section Twenty-nine (29); all in Township Twenty-one (21) North, Range One (1) East, M.M.

and

The Southwest Quarter of the Northwest Quarter (SW $\frac{1}{4}$ NW $\frac{1}{4}$) and the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$) of Section Seventeen (17); the Southeast Quarter of the Northeast Quarter (SE $\frac{1}{4}$ NE $\frac{1}{4}$), the Southwest Quarter of the Southeast Quarter (SW $\frac{1}{4}$ SE $\frac{1}{4}$), the West Half of the Northeast Quarter of the Southeast Quarter (W $\frac{1}{2}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$) of Section Eighteen (18); all of the Southeast Quarter of the Southeast Quarter (SE $\frac{1}{4}$ SE $\frac{1}{4}$), less the Northeast Quarter of the Southeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$) of Section Eighteen (18); the West Half of the Northwest Quarter of the Northwest Quarter (W $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$) of Section Twenty (20); All in Township Twenty-one (21) North, Range One (1) East, Cascade County, Montana.

File No.

T. 21 R 1 E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... 1930

Owner... Milton Mann Vaughn

Contractor (if any) self

Address of Contractor

Date Started..... Date Completed... 1961

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Dug Bank in Hill water come out natural flow

Reservoir 20 feet Deep

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

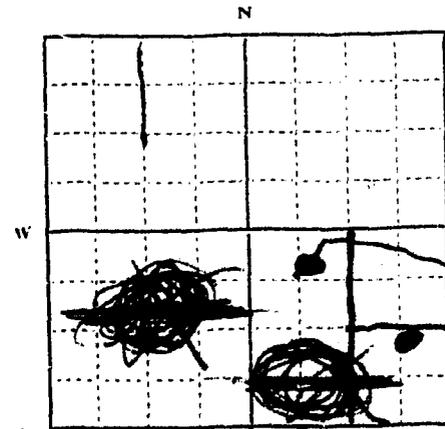
estimate approximate lengths of periods of use.....

30 years

Reservoir 10 years

Signature of Owner... Milton J. Mann

Date... Dec 30 1961



10, 21, 1, E
..... 1/4..... Sec..... T..... R.....

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

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

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

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

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

File No.

T. 21 R. 10

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

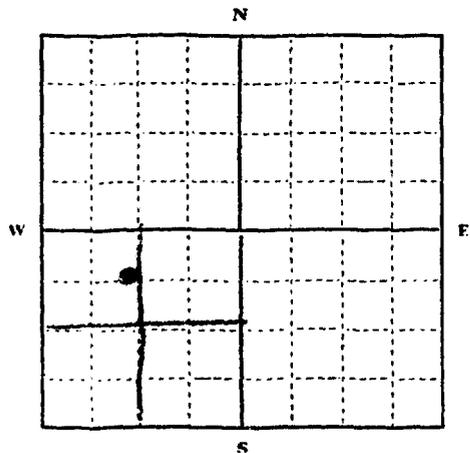
JAN 9 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. Mr. Joyce G. Wohlgemuth of Helena (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. 11 T. 21 N. R. 10 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 FARM

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1936 Vacant

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. 1 1/2" Electric Pump 300 ft deep in well 2 1/2" diameter 100 ft deep

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 4/1956

8. The depth of water table. 20 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 1 1/2" Electric Pump 300 ft deep in well 2 1/2" diameter 100 ft deep

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

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

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. Joyce G. Wohlgemuth 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.

28640

4662

STATE OF MONTANA, } ss.
County of Cascade.

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

JAN 3 - 1964

Date

at 8:00 o'clock P M.

J. L. LENNON

County Clerk and Recorder.

By

[Signature]

Deputy.

File No.

T. 21 N. R. 1 E. S. 4

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 12-30-63

Owner A.R. Haul Address Vaughn

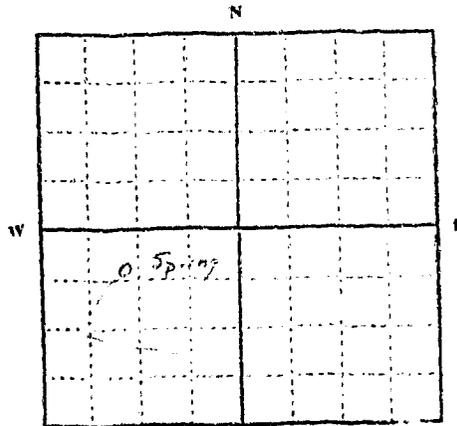
Contractor (if any) None

Address of Contractor

Date Started Date Completed

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

Voluntary Spring



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 Output

Varies as to season - Used for stock and occasional past irrigation of adjoining ground

Signature of Owner A.R. Haul

Date Dec 30, 1963

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

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

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

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

25038

405I
4053

RECORDS RECORDER
DEPARTMENT OF REVENUE
RECORDS SECTION
DEC 22 1953

1:05 P.
RECEIVED

RECORDS RECORDER
DEPARTMENT OF REVENUE

[Signature]
DEC 22 1953

File No.

T. 21 N R 1 East

DUPLICATE

MONTANA WATER RESOURCES BOARD

County Cascade

LOG

RECEIVED

STATE OF MONTANA

APR 23 1968

ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

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

Owner A.R. and/or Esther Vaughn, Mont.

Driller Pat Byrne Address Gt. Falls, Mont.

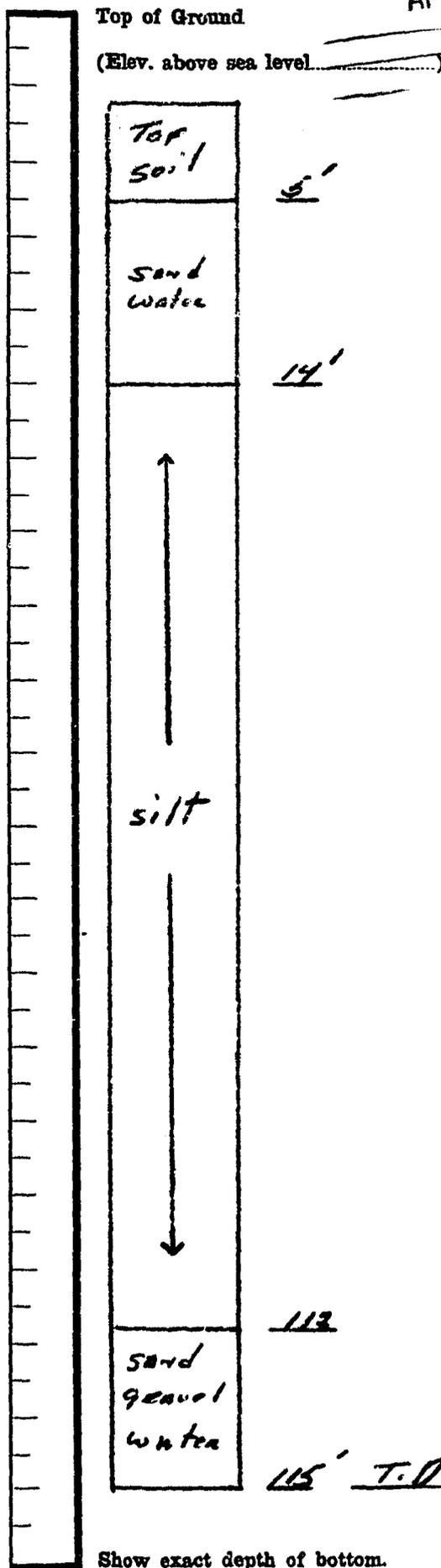
Date of Notice of appropriation of groundwater

Date well started 4-10-1968 Date completed 4-13-1968

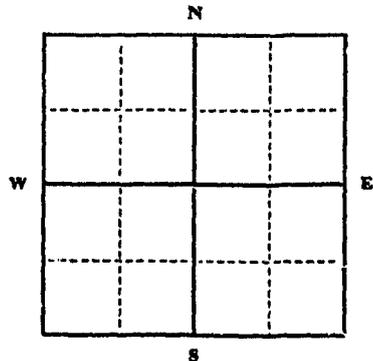
Type of well Drilled Equipment used Churn drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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)
7"	7" 2-#	0	115	Not perforated		



Static Water Level for non-flowing wellfeet.

Shut-in Pressure for Flowing Well 1#

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

Discharge in gal. per min. of flowing well UNK

How Tested Bailed

Length of Test 2 hrs

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

Sec. 23, T21N R.1E. 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).

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

44,066

5089

STATE OF MONTANA,)
County of Cascade.) ss.

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

APR 18 1968

Date

at 11:45 o'clock PM

J. L. LENNON

County Clerk and Recorder.

R. E. Bateman

Deputy.

File No.

T. 21 R. 13

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

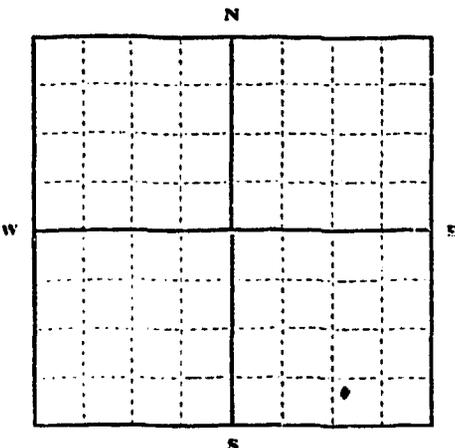
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. James Offerdahl, of Vaughn
(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 Sec. 23 T. 21 N. R. 13 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, livestock and irrigation
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuously since it was drilled in 1935
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) seven 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 to water the yard, garden, and trees owned by James Offerdahl probably one and one-half acres
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by pump and natural flow (artesian)

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Exact date isn't known—summer of 1935
- 8. The depth of water table 115 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 artesian, depth approximately 115 feet, eight inch casing. No other information available
- 10. The estimated amount of groundwater withdrawn each year 2,920,000
- 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 information unknown

Signature of Owner James Offerdahl
Date Dec 20 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.

28125

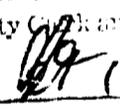
4137

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
DEC 30 1958

Date
at 2:34 o'clock P.M.

J. L. LENNON
County Clerk and Recorder.

By  Deputy.

24

File No.

STATE WATER CONSERVATION BOARD T. 21 N. R. 1 E

MAR 29 1967

County Gascade

DUPLICATE

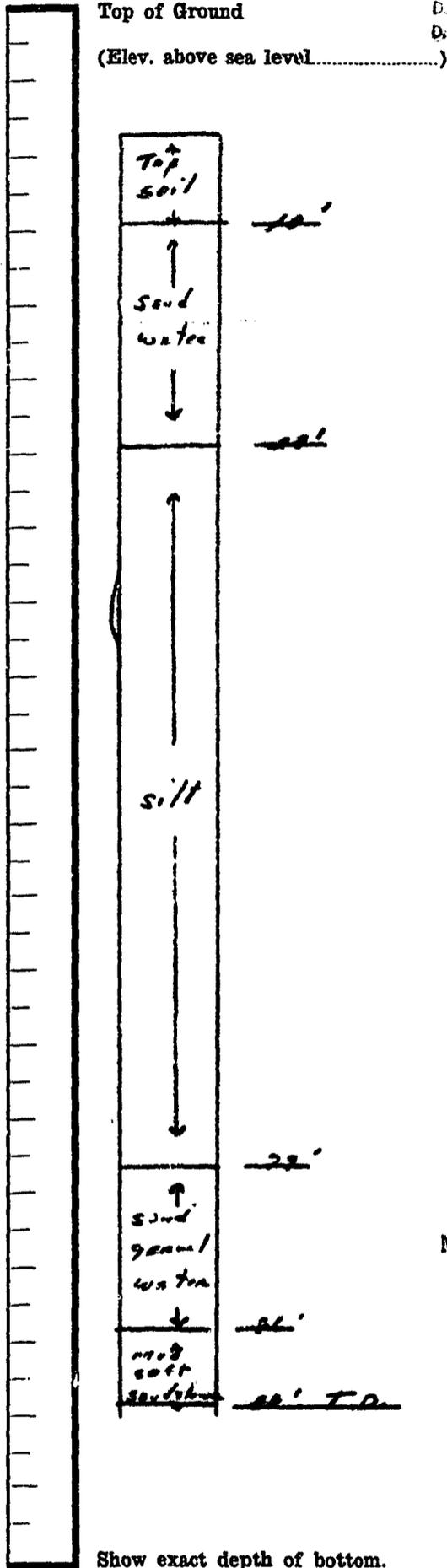
LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)



Owner Ernest G. Knobf Address Vaughn, Mont.

Driller Pat Byrne Address Great Falls, Mont.

Date of Notice of appropriation of groundwater

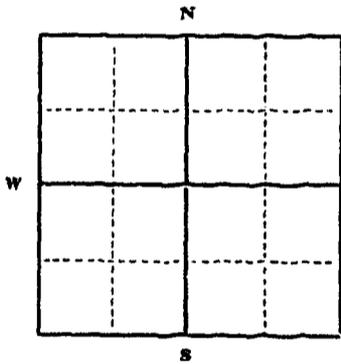
Date well started 3-9-1967 Date completed 3-21-1967

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	0	86' 4"	Not Perforated		



Static Water Level for non-flowing well 5 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 35 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer

Length of Test 4 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Hole was drilled to a depth of 88'. Mud and soft sandstone encountered at 86'. Gravel packed back 11'.

NE 1/4 Sec 21, 21 N. 1 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).

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

Pat Byrne
Driller's Signature

41819

5015

STATE OF MONTANA, } ss.
County of Cascade.

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

MAY 22 1987
Date

at 1:30 o'clock P.M.

J. L. LEWIS
County Clerk and Recorder.

By [Signature]
Deputy.

File No.

T. 21N R. 1E

DUPLICATE

MONTANA WATER RESOURCES BOARD

County Cascade

LOG

RECEIVED

JUL 15 1963

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 Thomas & Lena Maurantonio Address Vaughn, Mont.

Driller Fat Byrne Address Gt. Falls, Mont.

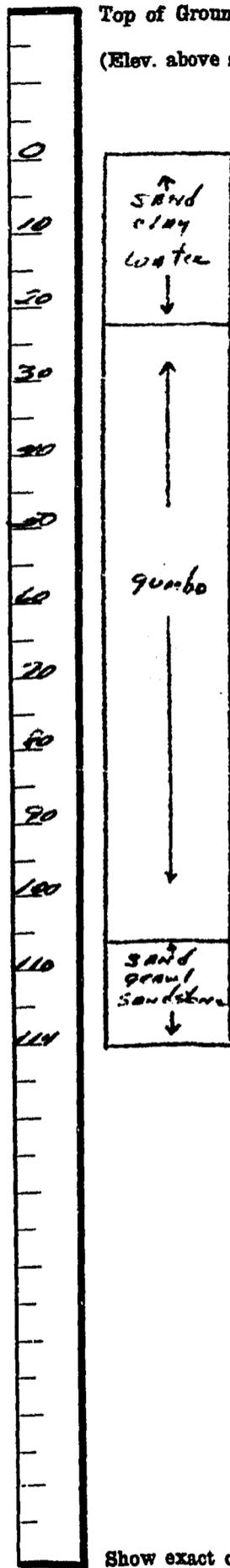
Date of Notice of appropriation of groundwater.....

Date well started 6-19-1963 Date completed 6-21-1963

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.

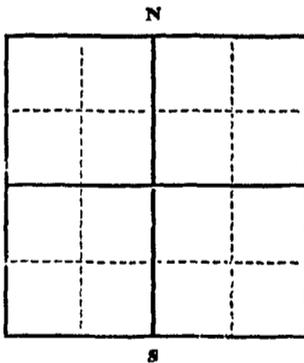


22

102

Water T.O. W

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS	
				Kind Size	From (Feet) To (Feet)
7"	7" 20#	0	29	Not perforated	
6-5/8"	5 1/2"	0	114	Not perforated	



Static Water Level for non-flowing well 16 feet.

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

Pumping Water Level..... 35 feet
at 40 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested..... Bailer

Length of Test..... 2 Hours

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

SW 1/4 NE Sec. 24 T21N R1E
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

Fat Byrne
Driller's Signature

44,315

5105

7

STATE OF MONTANA,)
County of Cascade.)

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

JUN 24 1968

Date

at 7:00 o'clock P. M.

J. L. LENNON

County Clerk and Recorder

[Signature]
Deputy

5541

STATE OF MONTANA, } ss.
County of Cascade.

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

JUN 29 1973

Date

at 12:00 o'clock noon M

J. L. LENNON

County Clerk and Recorder.

By J. L. Lennon
Deputy

File No.

STATE WATER CONSERVATION **VAUGHN TRACT**
Block # 4

T. 21N R. 1E SEC. 24

DUPLICATE

County Cascade

FEB 14 1967

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

LOG
Elev. above sea level
Dicker

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Mary E. Rice Address 1809-4th Ave. N
Great Falls, Mont.
Driller Pat Byrne Address 2112-7th Ave. S
Great Falls, Mont.

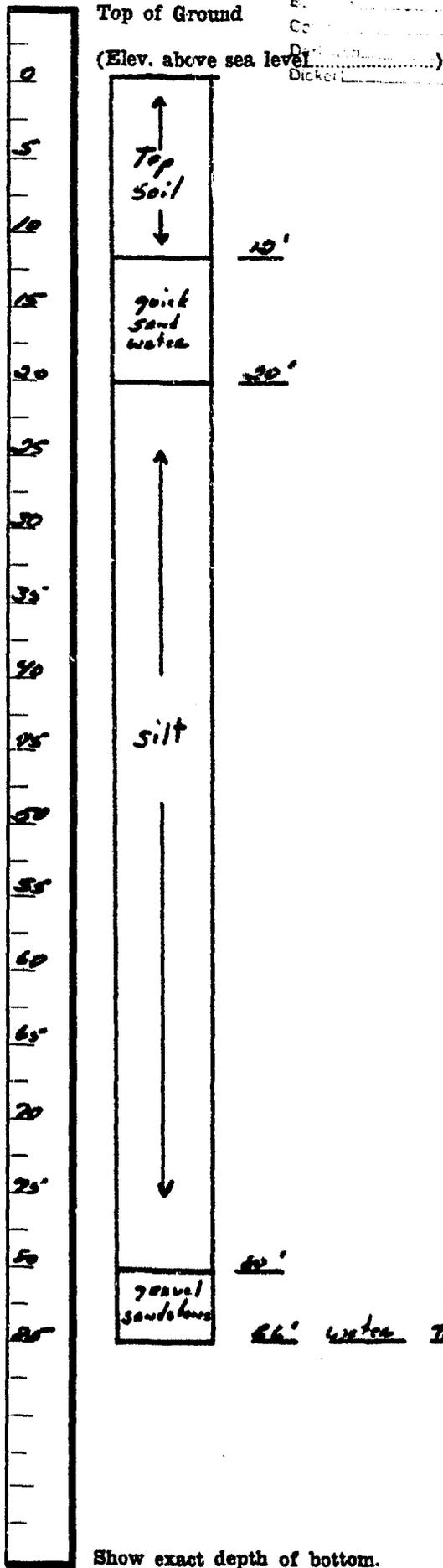
Date of Notice of appropriation of groundwater.....

Date well started..... Date completed.....

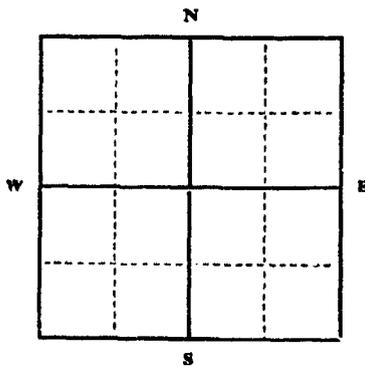
Type of well Drilled Equipment used Churn drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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)
5"	4-1/2"	0	85	Not perforated		



Static Water Level for non-flowing well 8 feet.

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

Pumping Water Level..... 80 feet
at..... 6 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).....

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

..... (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).

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

Pat Byrne
Driller's Signature. 41765

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
FEB 6 1987

at 10:00 ^{Date} o'clock A M

J. L. LENNON
County Clerk and Recorder

By J. J. Johnson
Deputy

Case. CO
5009

File No.

T. 21 N. R. 1 East

DUPLICATE

County of Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

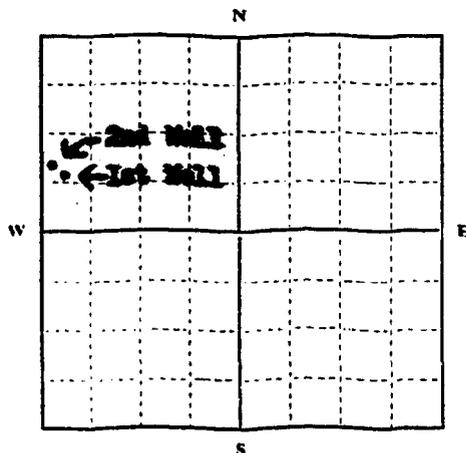
RECEIVED
JAN 9 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. JMS HOLDINGS, INC., of Vaughn
(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. 25 T. 21 N. R. 1 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 supply Township of Vaughn, Montana, 75 homes
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. January 25, 1938 - continuous
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gallons per minute over top of casing
- 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 lawns and gardens of 75 homes in Vaughn, Montana
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal booster pump
- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. January 25, 1938
October 3, 1959 - second well
- 8. The depth of water table. first well 112 feet, second well 128 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. first well 6 5/8 inches O.D. steel casing abandoned or plugged January 17, 1961. Second well October 3, 1959 6 5/8 steel casing, 191 pounds per square foot.
- 10. The estimated amount of groundwater withdrawn each year. 7,300,000 gallons
- 11. The log of formations encountered in the drilling of each well if available. first well - soft clay 90 feet; next 15' quicksand; next 7 ft. gravel, sand, water. Second well - 5 to 10 feet silt; 10 to 16 feet quicksand, 16 to 100 feet silt, 100 to 103 feet quicksand; 103 to 110 feet silt; 110 to 115 feet quicksand; 115 to 128 feet 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. Both wells on land held by predecessor in interest and present appropriator. Second well use given under protest to Townsite of Vaughn, Montana.

Herlin C. Nielsen

JMS HOLDINGS, INC.
Signature of Owner James C. Nielsen Jr.

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.

28444

45-7

STATE OF MONTANA, } ss.
County of Cascade.

That the within in-
strument was filed in this office on
DEC 31 1963

at 1:25 o'clock P M.

J. L. LENNON
County Clerk and Recorder.

By [Signature]
Deputy.

File No.

T. 21 N. R. 1 East

DUPLICATE

County of Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

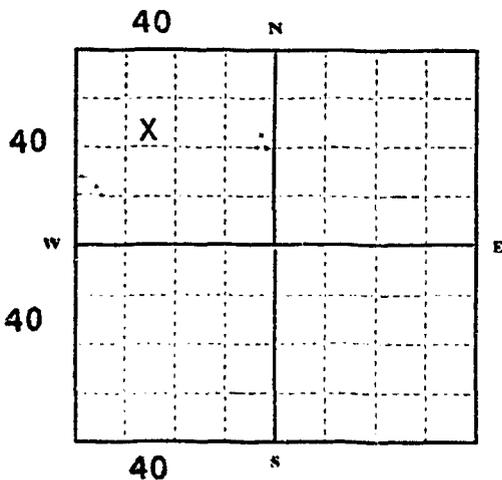
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. **JMS HOLDINGS, INC.**, of **Vaughn**
(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. 25 T. 21 N. R. 1 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 use three homes and farm facilities.**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been **April 3, 1947 and continuous ever since.**

4. The amount of groundwater claimed (in miner's inches or gallons per minute) **40 gallons per minute over top of casing**

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 **lawns and gardens - (1 1/2 acres) of above three homes - JMS Holdings, Inc. owner.**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **commencing April 1, 1947, until April 3, 1947**

8. The depth of water table **130 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 **artesian well, 6 5/8 inch steel casing, depth 130 feet.**

10. The estimated amount of groundwater withdrawn each year **1,900,000 gallons**

11. The log of formations encountered in the drilling of each well if available **no known log available. Believed to have encountered clay, sand, gravel and water.**

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. **Ownership of land by appropriator and predecessor and interest upon which well is situated - Warranty Deed Book 327, Page 103, Cascade County Courthouse.**

James C. Nielsen Signature of Owner **JMS HOLDINGS, INC.**
James C. Nielsen

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.

28443

44076

STATE OF MONTANA, ss.
County of Cascade.
I hereby certify that the within in-
strument was filed in this office on
DEC 31 1968
Date
at 1:23 o'clock P. M.
J. L. LENNON
County Clerk and Recorder.
By [Signature] Deputy.

25

File No.

T. 21N R. 1E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

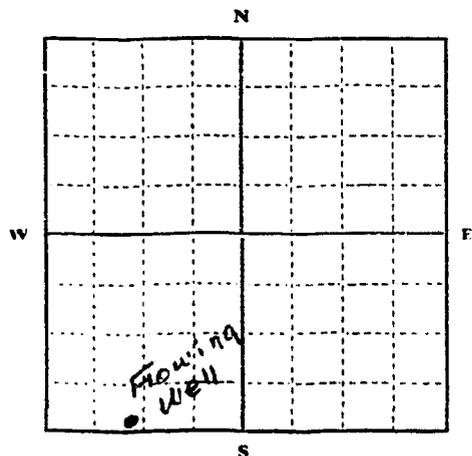
RECEIVED
JAN 9 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Hilmer R. Trost, of Box 255 Brady
(Name of Appropriator) (Address) (Town)
County of Pondera State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 25 T. 21N R. 1E

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
1959 - daily

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
none

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

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
40 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
65 ft.

10. The estimated amount of groundwater withdrawn each year
2,000,000 gallons

11. The log of formations encountered in the drilling of each well if available
Through clay into 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 Hilmer R. Trost

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.

28414

4428

CLERK AND RECORDER
SHERIFF COUNTY BOXTARD
I HEREBY CERTIFY THAT THE WITHIN
DOCUMENT WAS FILED FOR RECORD
ON 12 11 1934

12:55 P.M.
FILED ONLY ACCORDING TO DOCUMENT

J. L. LENNON
CLERK AND RECORDER
[Signature]
DEPUTY

County Cascade 25

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 Re-order 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 Earl Lusk

Address Daugh, Mont

Date well started Sept 23, 70

completed Sept 26, 70

Type of well Drilled

Equipment used Churn drill

Water Use: Domestic Municipal Stock Irrigation

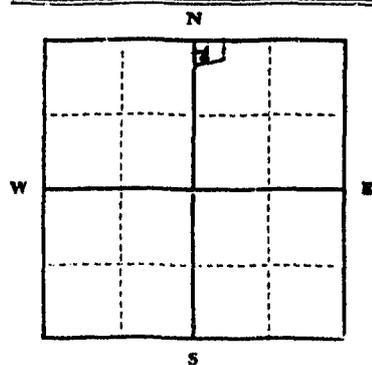
Industrial Drainage Other * Garden/Lawn

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL 100,000 Gal

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6 5/8 OD</u>	<u>6 5/8 OD 19 lbs per ft.</u>	<u>0</u>	<u>80</u>	<u>Casing driven end into open gravel</u>		



N.W. 1/4 NE 1/4 Sec. 25
T. 21 N. R. 1 E

Static water level 5 ft from top ft.*
Pumping water level 8 ft from top ft.*
at 1.5 gallons per minute,
measured 120 minutes after pumping began.

*Measured from ground level.
Well developed by Bailing
for 2 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 E. D. Rafferty

Driller's Address 927-10th ave S.W.

State LICENSE NO. 28

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
<u>0</u>	<u>1</u>	<u>Loam</u>
<u>2</u>	<u>8</u>	<u>Gravelly silt</u>
<u>8</u>	<u>79</u>	<u>Silt</u>
<u>79</u>	<u>80</u>	<u>Gravel</u>

80 ft. Show exact depth of bottom

5306

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
AUG 20 1971

at 11:45 o'clock A M.

J. L. JENNISON
County Clerk and Recorder

By *R. E. Balema*
Deputy

File No.

T. ... R. ...

DUPLICATE

County ...

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

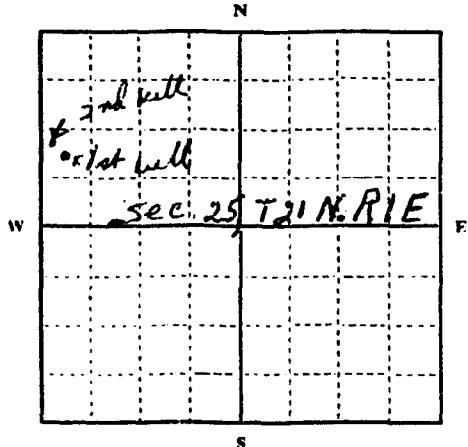
RECEIVED
DEC 27 1963

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

1. Vaughn Cooperative Association, of Vaughn
(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. T. R.

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. **Seventy-Five Homes.**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. **January 25, 1938, Continuous.**

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

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 lawns and gardens for the Seventy-five homes.**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. **January 25, 1938 first well 112 feet, second well 128 feet, October 3, 1959.**

8. The depth of water table. **First well 112 feet, second well 128 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. **First well 65/8 O. D. steel casing, abandoned or plugged. January 17, 1961. Second well, October 3, 1959 65/8 O. D. steel casing, 19lb. per sq. foot.**

10. The estimated amount of groundwater withdrawn each year. **7,300,000**

11. The log of formations encountered in the drilling of each well if available. **First well soft clay first 90 feet, next 15 feet quicksand, next 7 feet gravel, sand, water. Second well, five to 10 feet silt, 10 to 16 feet quick sand, 16 to 100 feet silt, 100 to 103 feet quicksand, 103 to 110 feet silt, 110 to 115 feet quicksand, 115 to 128 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. **Basement of water system book 59 of Deed, page 393, County Courthouse.**

Signature of Owner *Vaughn Cooperative Assn.*
Walter D. Dunning
Date *12-23-1963*

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.

3674

STATE OF MONTANA, } ss.
County of Cascade.

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

_____ Date _____

at 10:44 o'clock A.M.

J. L. LENNON

County Clerk and Recorder.

By *[Signature]*
Deputy.

File No.

T. 21N R. 1E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAY 15 1963

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Bill Clark Address Vaughn

2112-7th Ave. N

Driller P. J. Byrne Address Great Falls, Mont

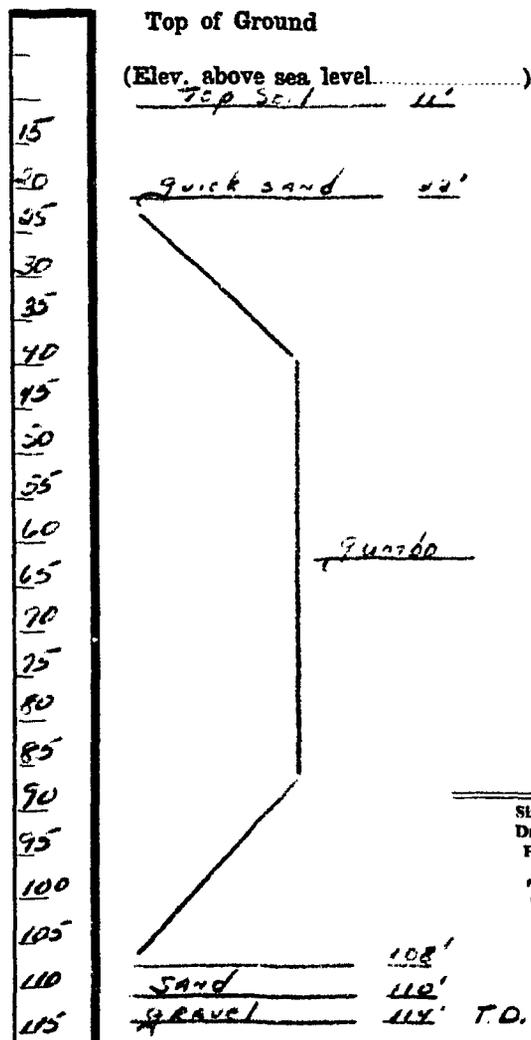
Date of Notice of Appropriation of Groundwater

Date well started Apr. 27, 1963 Date Completed Apr. 29, 1963

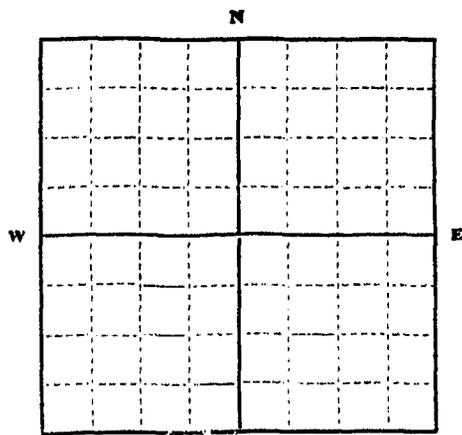
Type of well Drilled Equipment Used Churn drill
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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



Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7" OD 17# seamless	Top	114	None		



NE 1/4 NW Sec 26 T. 21N R. 1E
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 2ft. below surface et.

Shut-in Pressure for Flowing Well

Pumping Water Level feet at 70 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)

135
Driller's License Number

P. J. Byrne
Driller's Signature

This form is 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.

#3303

STATE OF MONTANA, } ss.
County of Cascade.

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

MAY 13 1963

Date

at 3:26 o'clock P. M.

J. L. LENNON
County Clerk and Recorder.

By [Signature]
Deputy.

File No.

T. R.

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAY 15 1963

Notice of Appropriation of Groundwater STATE ENGINEER
(Under Chapter 237, Montana Session Laws, 1961)

1. I. Bill Clark of Box 121 Vaughn
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Household & Stock
(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed ✓

4. The annual period (inclusive dates) of intended use ENTIRE YEAR

5. The probable or intended date of first beneficial use 4-27-63

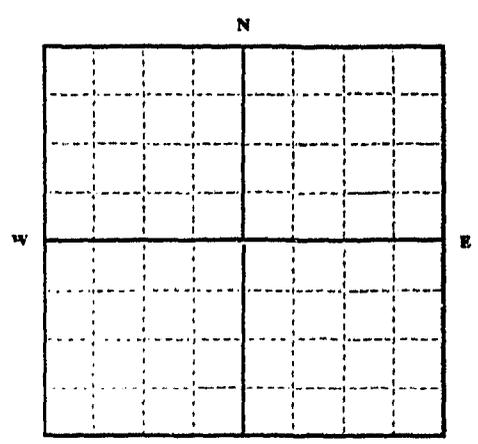
6. The probable or intended date of commencement and completion of the well* or wells* April 27
April 30

7. The location, type, size and depth of well or wells contemplated 110 feet

8. The probable or estimated depth of the water table or artesian aquifer ✓

9. Name, address and license number of the driller engaged Patrick Byrne
2112 - 7th Ave. No. St. Falls Mont License No. 135

10. Give such other similar information as may be useful in carrying out the policy of this act.....
.....
.....
.....
.....



nw
NE 1/4 Sec. 26 T. 21 N. R.
Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator Bill Clark
Date May 13, 1963

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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.

#3302

STATE OF MONTANA, }
County of Cascade. }

I hereby certify that the within in-
strument was filed in this office on
MAY 13 1968

Date

at 2:25 o'clock A.M.

J. L. LENNON
County Clerk and Recorder.

By *[Signature]*
Deputy

5401

STATE OF MONTANA, }
County of Cascade. }

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

AUG 30 1972

Date

at 3:25 o'clock P M.

J. L. LENNON

County Clerk and Recorder

By J. L. Wilson
Deputy.

File No. _____

T. 21 R. 15

DUPLICATE

County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

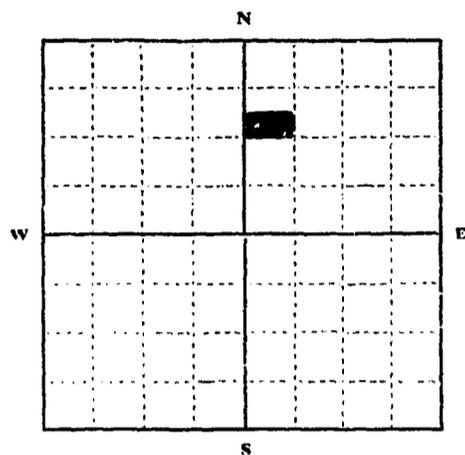
JAN 1 1962
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Leon E. Hansen, of Box 12 Vaughn
(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:



NE 1/4 Sec. 26 T. 21 R. 1 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, farm livestock, irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been August-1937 continuous from that time

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 32 gallons thirty-two 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 Leon E. Hansen

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 1 inch electric pump - flow from 1/2 inch pipe for livestock

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 1937

8. The depth of water table 128 ft. One hundred twenty eight 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 Artesian well 6 inch casing one hundred twenty eight feet

10. The estimated amount of groundwater withdrawn each year 1,748,204 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 Not Available

Signature of Owner Leon E. Hansen

Date Dec 16 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.

27776

3787

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

I hereby certify that the within in-
strument was filed in this office on
DEC 26 1962

at 4:00 ^{Date} o'clock P. M.

J. L. LENNON
County Clerk and Recorder.

By B. Lewis
Deputy.

File No. _____

T. 21N R. 1E

DUPLICATE

County: Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

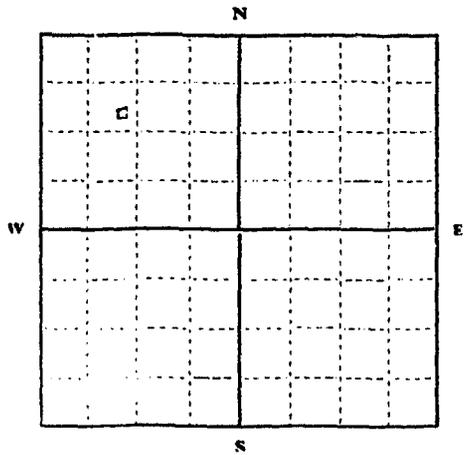
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 17 1963

STATE ENGINEER

1. I, Isaac C. Moore, of Box 26, Vaughn
(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:



2. The beneficial use on which the claim is based
Domestic and livestock

3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been 1928 - Continuous

4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 500 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
Approx. 3 acres - Lawn and Garden

1/4 Sec. 26 T. 21N R. 1E

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

6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal
Pump and self-flowing
Sec. 26, T. 21N, R. 1E

7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater 1928

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 120 ft. deep - 6 in. casing

10. The estimated amount of groundwater withdrawn each year 200,000 gal. (approx.)

11. The log of formations encountered in the drilling of each well if available
unknown due to lapse of time since ~~XXXXXX~~ drilling.

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

Isaac C. Moore
Signature of Owner Margaret R. Moore
Date December 14, 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.

3499

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
DEC 16 1953

Date

at 9:50 o'clock A.M.

J. L. LENNON
County Clerk and Recorder.

By [Signature]
Deputy.

5268

RECEIVED
MONTANA WATER RESOURCES BOARD
JAN 4 1971

STATE OF MONTANA,) ss.
County of Cascade.)

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

DEC 29 1970

Date

at 4:45 o'clock P M

J. L. LENNON

County Clerk and Recorder.

By [Signature]
Deputy.

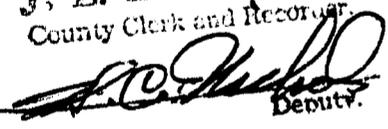
5233

STATE OF MONTANA, ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
JUL 7 1970

Date
at 3:30 o'clock P.M.

J. E. LINDEN
County Clerk and Recorder.

By  Deputy.

STATE OF MONTANA
 DEPARTMENT OF GROUNDWATER CODE
 MONTANA WATER RESOURCES BOARD

RECEIVED

County Spokane

DRIER'S LOG

JUL 10 1970

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.

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 227, Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the driller with the County Clerk and Recorder in the county in which the well is located, one copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner James J. [unclear]

Address [unclear]

Section 23

Date well started 2-1-1970

completed 2-4-1970

For Administrator's Use	
File	<u>July 7, 1970</u>
	<u>5233</u>
	GW 1

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

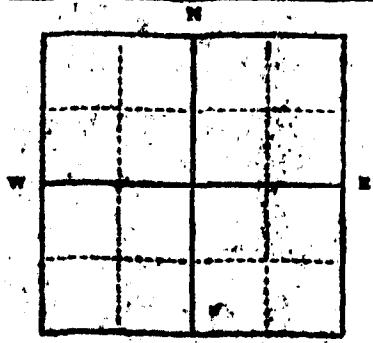
Equipment used Case drill
(Cable drill, rotary or other)

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 Address)

ESTIMATED ANNUAL WITHDRAWAL 200,000 - 250,000 gals. ±

Dip of Well	Dip of Face	Dip of Face	To	PERFORATIONS		
				Kind	From	To
<u>0°</u>	<u>90°</u>	<u>27°</u>	<u>60</u>	<u>Screen</u>	<u>60</u>	<u>60</u>



Static water levelft.*
 Pumping water levelft.*
 atgallons per minute,
 measuredminutes after pumping
 began.
 *Measured from ground level.
 Well developed by
 forhours.
 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 [Address]

LICENSE NO. 200

Top of Ground		Description
From (Feet)	To (Feet)	
0	1	Top Soil
1	2	Light Sandstone
2	3	Light Sandstone
3	4	Light Sandstone
4	5	Light Sandstone
5	6	Light Sandstone
6	7	Light Sandstone
7	8	Light Sandstone
8	9	Light Sandstone
9	10	Light Sandstone
10	11	Light Sandstone
11	12	Light Sandstone
12	13	Light Sandstone
13	14	Light Sandstone
14	15	Light Sandstone
15	16	Light Sandstone
16	17	Light Sandstone
17	18	Light Sandstone
18	19	Light Sandstone
19	20	Light Sandstone
20	21	Light Sandstone
21	22	Light Sandstone
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25	26	Light Sandstone
26	27	Light Sandstone
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86	87	Light Sandstone
87	88	Light Sandstone
88	89	Light Sandstone
89	90	Light Sandstone
90	91	Light Sandstone
91	92	Light Sandstone
92	93	Light Sandstone
93	94	Light Sandstone
94	95	Light Sandstone
95	96	Light Sandstone
96	97	Light Sandstone
97	98	Light Sandstone
98	99	Light Sandstone
99	100	Light Sandstone

Show exact depth of bottom

16661

276

File No.

T. 21 R. 1 East

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

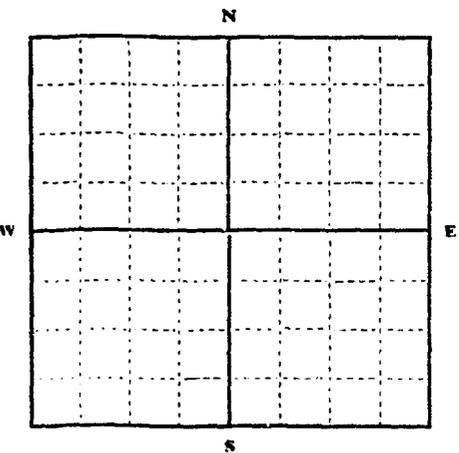
JAN 9 1964

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. OR Fredrick J. Rushton
Estella C. Rushton, of Box 62 Vauthn
(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:



N. E. 1/4 NW Sec. 26 T. 21 R. 1 East

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres. On that part north of the highway

2. The beneficial use on which the claim is based residence stock and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Jan. 1, 1944 continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 800 gal

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 3 acres on East and West of our home owner same

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approx. one week before Jan. 1, 1944

8. The depth of water table 126 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 pump, pipe is 5 inches depth 130'

10. The estimated amount of groundwater withdrawn each year 2 million gal

11. The log of formations encountered in the drilling of each well if available. We think this information is on file in Helena but we are not sure.

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 we have no other information

Signature of Owner Estella C. Rushton
Date 12-27-63

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

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

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

27805

3816

STATE OF MONTANA, }
County of Cascade.

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

DEC 27 1968

at 11:45 o'clock P.M.

J. L. LENNON
County Clerk and Recorder.

By *[Signature]*
Deputy.

2376

File No.

T 21 R 1E

DUPLICATE

County

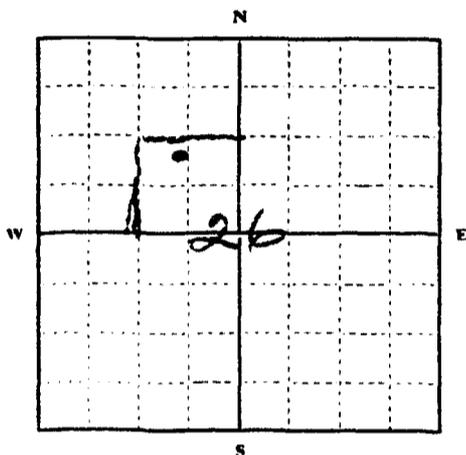
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 9 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. J. Edgar Unphross, of Vaughn (Name of Appropriator) (Address) (Town)
County of Cascade State of Mont. have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NW Sec 26 T21N1E

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 Farmstead

3. Date or approximate date of earliest beneficial use; and how continuous the use has been year-1900 Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 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 Lawn & Garden J. Edgar Unphross

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater year 1900

8. The depth of water table 110 ft. Artesian-Surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 110 ft. 3 in.

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

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 J. Edgar Unphross
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.

28438

4452

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
DEC 31 1962

at 1:15 ^{Date} o'clock PM M.

J. L. LENNON
County Clerk and Recorder.

By BA Deputy.

File No. _____

T. 21 N R. 1 East 26

DUPLICATE

MONTANA WATER RESOURCES BOARD

County Cascade

LOG

RECEIVED

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

JUL 15 1968 STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater

Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner Vaughn Water Coop. Address Vaughn, Mont.

Driller Pat Byrne Address Great Falls, Mont.

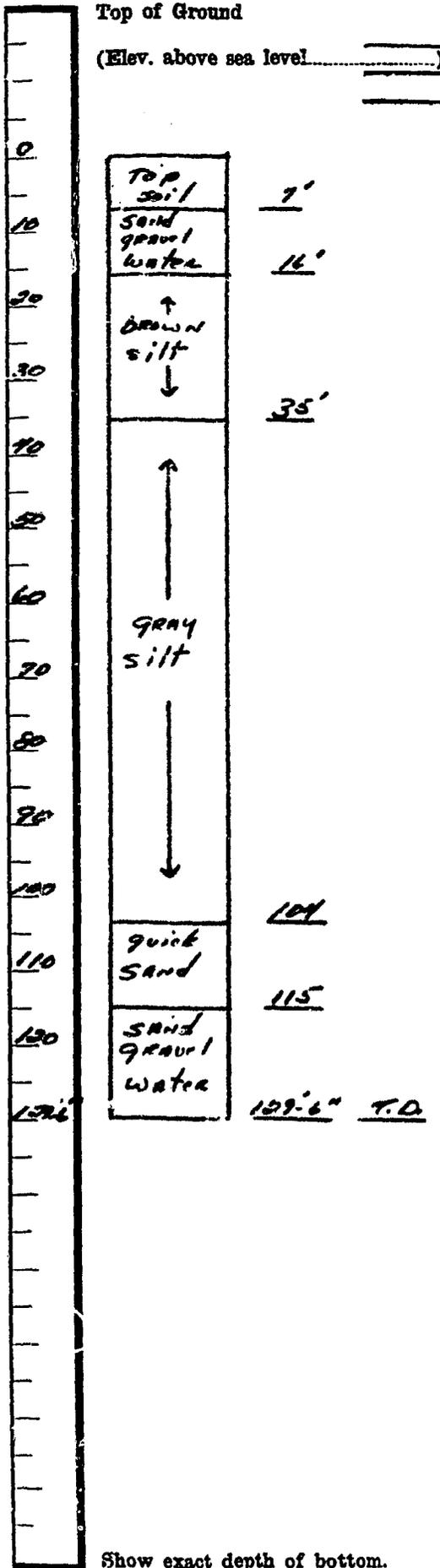
Date of Notice of appropriation of groundwater _____

Date well started April 18, 1968 Date completed April 22, 1968

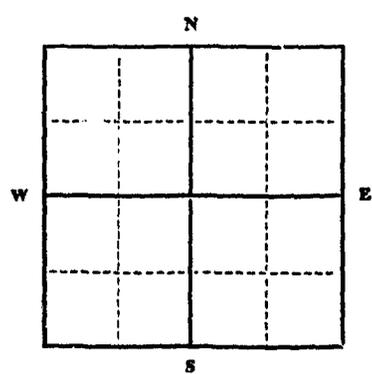
Type of well Drilled Equipment used Churn drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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)
8-5/8"	6-5/8" 32#	0	27	Not		
6-5/8"	7"OD 24#	5	129-6	Not		



Static Water Level for non-flowing well _____ feet.
 Shut-in Pressure for Flowing Well 1#
 Pumping Water Level 4 feet
 at 100 gal. per minute.
 Discharge in gal. per min. of flowing well 30
 How Tested flow
 Length of Test 24 hours
 Remarks: (Gravel packing, cementing, packers, type of shutoff) Pitless adapter was set 4 feet below G.L. Hole was cemented between 7 and 8" casings.

NE 1/4 Sec. 26, T. 21 N. R. 1 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).

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 this form will be returned.

135
 Driller's License Number
Pat Byrne
 Driller's Signature

44,314

5707

STATE OF MONTANA
County of Cascade

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

JUL 5 1968

Date

at 3:15 o'clock P.M.

J. L. LENNON

County Clerk and Recorder.

By

R. B. Bateman

Deputy.

File No.

T. 21 R. 1-E

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

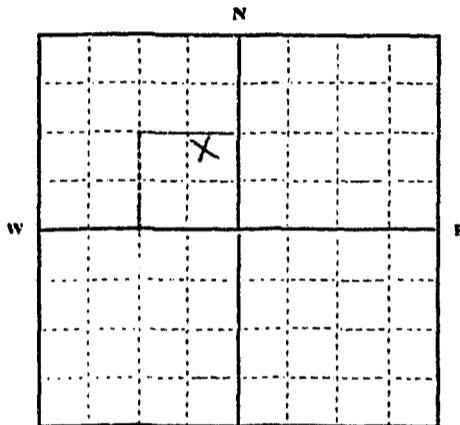
RECEIVED
JAN 9 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elton B. Campbell of 500 10th Street North, 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 NW Sec. 27 T. 21 R. 1E

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, lawn, garden, and feedlot use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1939 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 44 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 3 H.P. electric pump. Well located between house and feedlot

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 approx. 8' (almost free flowing)

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" pipe, 126' deep.

10. The estimated amount of groundwater withdrawn each year 1,000,000 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 Elton B. Campbell

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.

4519

DEC 21 1920
RECORDED
TIME 2:26 PM
DOCUMENT NO _____
J. L. LENNON
CLERK AND RECORDER
CASCADE COUNTY, MONTANA
BY *P. C. Kelly*
DEPUTY

GW 2

Doc. No. 5213
Filed for record
this 31 day of March
A. D. 19 70, at 12:15
o'clock 1 M.

Approved Stock Form—State Publishing Co., Helena, Montana—423.

T. 21N R. 1 East 27

DUPLICATE

County Cascade

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Rocky Mountain Investors Address Ct. Falls, Mont.

Driller Pat Byrne Address Ct. Falls, Mont.

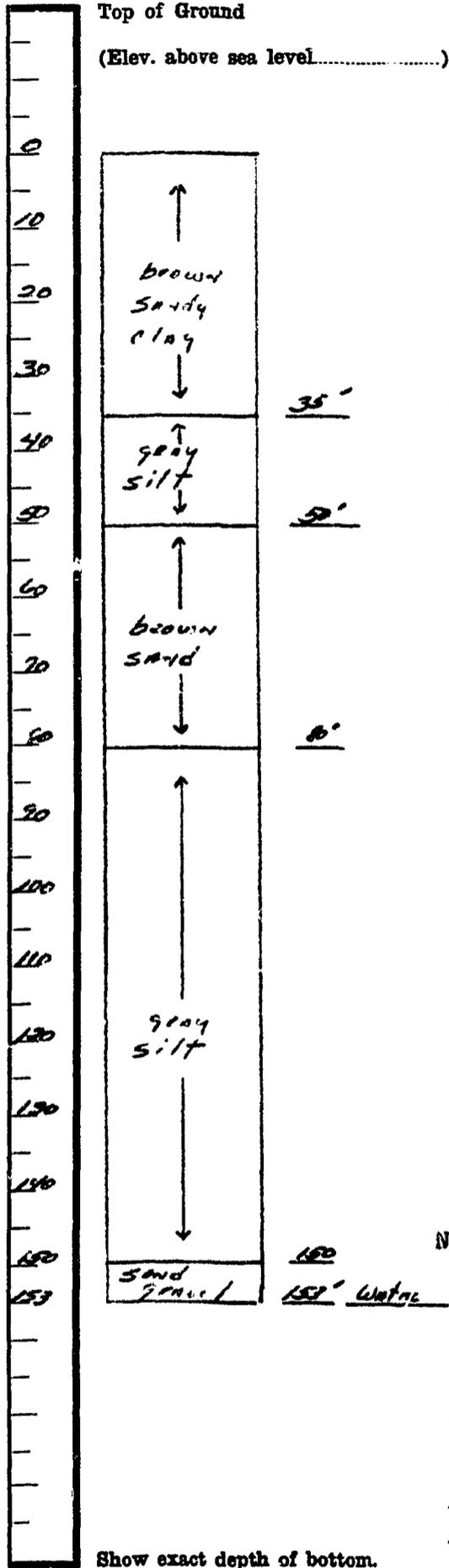
Date of Notice of appropriation of groundwater.....

Date well started Mar. 16, 1970 Date completed Mar. 19, 1970

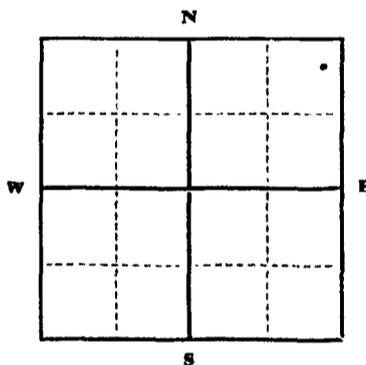
Type of well Drilled Equipment used Churn drill
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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" 20#	0	153	NOT PERFORATED		



Static Water Level for non-flowing well 50 feet.

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

Pumping Water Level..... 85 feet
at..... 60 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Bailer

Length of Test one hour

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

NE 1/4 E. Sec 27 T. 21N R. 1E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

135

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.

1/6 297

5213

STATE OF MONTANA, } ss
County of Cascade.

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

MAR 31 1970

Date

at 12:15 o'clock P

J. L. LENNON

County Clerk and Recorder

By R. B. Baleman

MONTANA WATER RESOURCES BOARD
RECEIVED

APR 6 1970

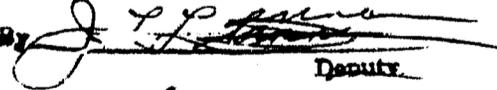
5542

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
JUN 29 1973

Date
at 1:30 o'clock P M

J. L. LENNON
County Clerk and Recorder.

By  Deputy

File No.

T 21N R 1 East G-8

DUPLICATE

County Cascade

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner John A. Aibrecht Address Vaughn, Mont.

Driller Pat Byrne Address Gt. Falls, Mont.

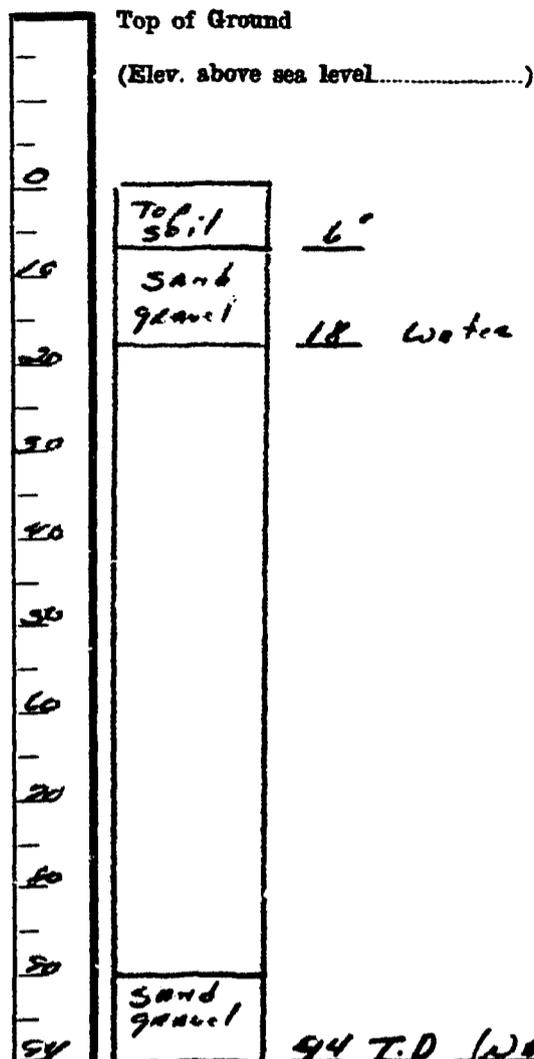
Date of Notice of appropriation of groundwater.....

Date well started 7-18-1969 Date completed 7-19-1969

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)
6-5/8"	6-5/8"	0	94	Not perforated		

94 T.D. Water

Static Water Level for non-flowing well 10 feet.

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

Pumping Water Level..... 30 feet
at..... 20 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).....

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).

Domestic use, three bedroom house and irrigation of a garden plot. Land surrounded by eighty five hundreds of an acre.

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

Pat Byrne
Driller's Signature

46362

5716

STATE OF MONTANA }
County of Cascade }

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

APR 7 1970

Date

at 3:00 o'clock P.M.

J. L. LENNON

County Clerk and Recorder

By

[Signature]

Deputy

File No.

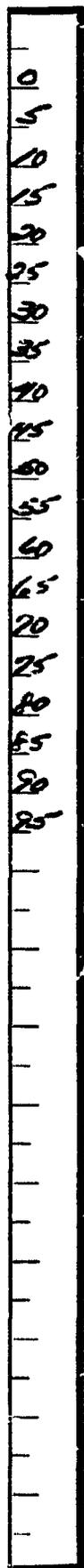
T. 21 R. 1 East 28

DUPLICATE

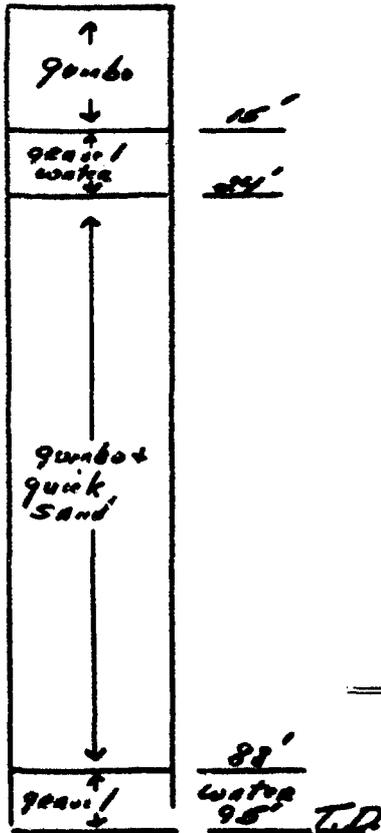
RECEIVED
APR 1 1965

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



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



Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner William and/or Martha Buertke Jr. Vaughn, Mont.

Driller Patrick J. Byrns Address Great Falls, Mont.

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

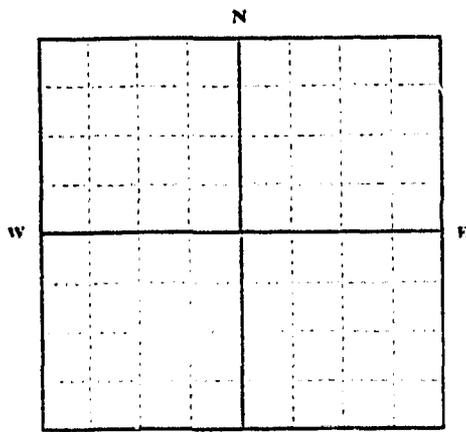
Date well started 4-1-1965 Date Completed 4-5-1965

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7" 17#	0	95'	NOT PERFORATED		



SW/4W. Sec 25 T21 R1 E
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 8' below G.L. feet.

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

Pumping Water Level 30' feet at 40 gal. per minute.

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

How Tested Bailer Length of Test 4 hrs.

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

Hole is packed with gravel from 88' to 95'

Driller's License Number 132

Driller's Signature Patrick J. Byrns

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.

39041