

T. 9N R. 2E

County Jefferson

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
JUL 29 1961

WATER WELL LOG STATE ENGINEER Montana City

13

Owner School district # 27 Address Box 96 Helena

Driller Price and Lindsay Address Glancy, Mont.

Date Started Aug 29, 1961 Date Completed Sept. 8, 1961

Location: Sec. 13 T. 9N R. 3W $\frac{1}{4}$ sec. SW $\frac{1}{4}$ NW $\frac{1}{4}$

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other: School House

Casing: 18" above ground elev ft. to 51.6" ft. Type New 15-16 Size 6 3/8" O.D.

Casing: 49 ft. to 131 ft. Type New galv. 12.16 Size 5" O.D.

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

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

Type of screen or perforations _____

Static Water level, for non-flowing well: 58 feet.

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

Pumping water level: 20 feet at 30-40 gal. per min.

How tested: bailer

Length of test: 1 1/2 hrs.

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

(over)

Log of Well

4
800
A. 11
DECEMBER
100

80458

GV

Approved Stock Form—State Publishing Co., Helena, Montana—18687

File No.

T. 9N. R. 3W

DUPLICATE

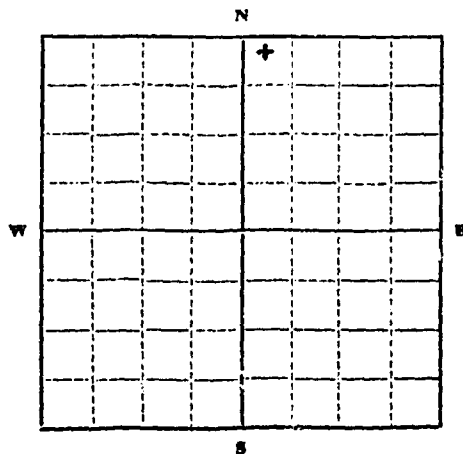
County. JEFFERSON

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **PERMANENTE CEMENT COMPANY** of **Montana City**
(Name of Appropriator) (Address) (Town)
County of **Jefferson** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NE Sec. 13 T. 9N. R. 3W

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. **test well for production of portland cement and consumption by plant operating personnel**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. **December 20, 1961; tested at 500 gallons per minute**
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 **Not applicable**
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. **Pump E125, 250; N24, 700**
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. **December 11, 1961 and December 29, 1961, respectively**
8. The depth of water table. **65 feet**
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. **6 inches diameter x 100 feet deep**
10. The estimated amount of groundwater ^{to be} withdrawn each year. **175 x 60' x 24' x 360 = 90,000,000 gallons per year**
11. The log of formations encountered in the drilling of each well if available. **See EXHIBIT A which is attached and made a part hereof**
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. **Not applicable**

PERMANENTE CEMENT COMPANY


Signature of Owner By: *J.M. Garoutte*
J.M. Garoutte, Vice President, Oper.
Date: **January 15, 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.

928



0 to 25 ft.--- Loose gravel and Boulders.-- Not tested
Did not test this area as it might draw water from
surface.

25 to 34 ft.--- Bed rock.- Brown clay & Hard lime rock.(no water)

34 to 35 ft.--- Blue clay.--- No water

35 to 44 ft.---Brown clay and Broken lime rock. 50 Gals, per Min.
Tested with Bailer.

44 to 65 ft.---Brown clay.--- No Water

65 to 80 ft.---Brown Limestone. (Semi Decomposed)
50 Gal Per. Min. No drawdown.

80 to 94 ft.---Broken up lime rock. 50 Gal. per. min. (No D. D.)

94 to 100 ft. -- Hard Limestone.--- 50 gals. per. min.(No D. D.)

EXHIBIT A

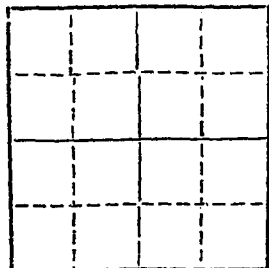
81 181

RECORDER'S OFFICE }
Jefferson County, Montana } ss.
Filed for record this 29 day of JUNE
A. D. 1962 at 9:30 o'clock A. M.
John M. [Signature] County Recorder
Fees, \$ 1.00

T. 9N R 3W 13
County Jefferson

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG ENGINEER H. J. Kaiser Co
Kaiser Center
Oakland 12
California



Owner PERMANENTE CEMENT Address
Driller PRICE & LINDSAY Address CLANCK, MONTANA
Date Started DEC. 6, 1961 Date Completed DEC. 19, 1961
1/4 mile N. E. of Montana City, Montana
Location: Sec. T. R. 1/4 sec.

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☒ ^{heat} _{water} Drainage ☐ Other:

Casing: 1 ft. avg. ft. to 99 ft. Type welded black Size 6 1/2 - 15/16.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 30 to ft. 95 Ft. to ft.

Type of screen or perforations PERFORATED 5/8 x 2 1/2

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

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

Pumping water level: 60 feet at 400 gal. per min.

How tested: PUMP + AIR

Length of test: 16 HRS.

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

[illegible]

80538

[Handwritten notes:]

6/16

P. M.

Dawson

M. E. P.

98132

RECORDER'S OFFICE
Jefferson County, Montana } ss.
Filed for record this 18 day of June
1923 at 2:50 o'clock PM
James A. Matlack
County Recorder
Fee, \$2.00
By Carl A. Matlack
Dep

Original Groundwater Appro filed by Robert Gwaltney #83171 on Dec. 30, 1963 at 78 AM
Reason for present amendment is change of ownership
Jefferson County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

RECEIVED

DRILLER'S LOG

AMENDED

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 Paul A. Bessler
Address Box 102 Star Rte
Clancy, Montana

Date well started about 1933
completed about 1933

For Administrator's Use
File <u>98460</u>
<u>April 13, 1973</u>
GW 1 <u>11:45 A.M.</u>

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

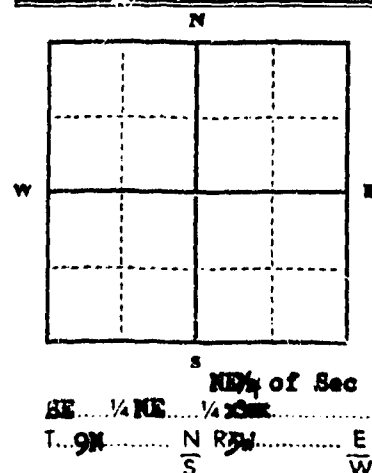
Equipment used drill
(Churn drill, rotary or other)

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 3,000,000 gall per year

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 5/8" casing						



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 /s/ Walter Riddock- Helena

Driller's Address

LICENSE NO.

Show exact depth of bottom

52.895

98460

County of Lincoln, Montana } ss.
and for record this 13 day of April
A.D. 1913 at 11:45 o'clock A.M.
Janet McFarlane
County Recorder
per 200

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

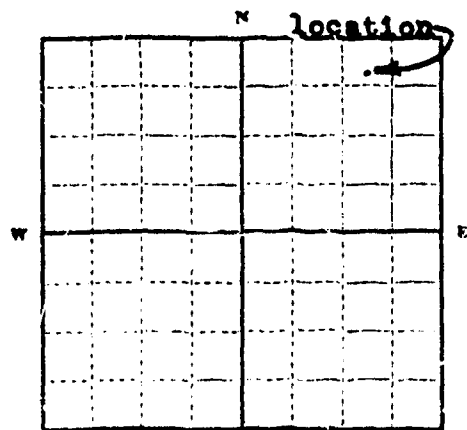
(Elev. above sea level 4160 ft.)

0 to 3 ft. Over burden
3 to 32 ft. Clay & some rock
32 to 38 ft. Blocky limeroak
very tight
38 to 44 ft. Firm blocky
limeroak considerable
clay
44 to 48 ft. Dense tight
shelve rock
48 to 62 ft. firm cong
lomerate clay
62 to 74 ft. very tight
strata gray lime
74 to 85 tight blocky
lime intermixed with
clay.
85 to 90 ft. Clean
Blocky gray lime

Owner Robert Gwaltney Address Box 1074 HelenaDriller Bob Price Address ClancyDate of Notice of Appropriation of Groundwater April 16 Dec 1963Date well started April 18, 63 Date Completed April 19, 63Type of well Drilled Equipment Used Churn
(dug, driven, bored or
drilled) (Churn, drill, rotary or
other)Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☒

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

Size of Drilled 1 to	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 & 5/8" OD	6 & 5/8" OD 1516	0	90	-	-	-



NW 1/4 NE 1/4 NE 1/4
1/4 Sec. 14 T9N R3W
Indicate location of well and
place of use, if possible. Each
small square represents 10 acres.

Show exact depth of bottom.
90 feet

Static Water Level for non-flowing Well 60 feet.Shut-in Pressure for Flowing Well Not determinedPumping Water Level 70 feet at 15 gal. per minute.Discharge in gal. per min. of flowing well ---How Tested Pump Length of Test 8 Hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff, loca-
tion 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) All controlslocated at well sight. Piped todwelling about 850 feet east.

38
Driller's License Number

Robert Price
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.

19427

83172

RECORDER'S OFFICE } ss.
Jefferson County, Montana }
Filed for record this 30 day of Dec
A. D. 1963 at 8:09 o'clock A. M.
Alta M. Davis
County Recorder
Fees, \$ 2.00

File No.

T. 9N R. 3W

DUPLICATE

County Jefferson

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE JAN 8 1964

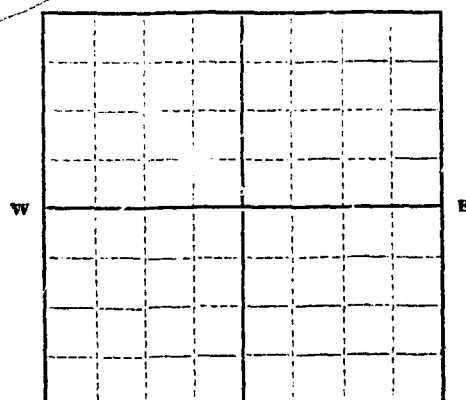
OFFICE OF STATE ENGINEER

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Robert D. Gwaltney of Box 1074 Helena
 (Name of Appropriator) (Address) (Town)
 County of Lewis and Clark State of Montana
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE 1/4 NE 1/4

1/4 Sec. 14 T9N BW

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

2. The beneficial use on which the claim is based. Domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. About 1933 Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 g.p.m.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. About 1933 Exact date not available
8. The depth of water table. About 70 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Drilled well about 85 feet deep with 6 5/8" casing.
10. The estimated amount of groundwater withdrawn each year. 3,000,000 Gallons per year.
Not available
11. The log of formations encountered in the drilling of each well if available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. Drilled by Walter Riddock of Helena.

Signature of Owner

Robert D. GwaltneyDate 16 Dec 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.

19426

83171

RECORDER'S OFFICE } ss.
Jefferson County, Montana }

Filed for record this 30 day of Dec

D. 1967 at 808 o'clock A.M.

Alvin W. [Signature] County Recorder

Fees, S. 2.00

File No.

T. 9 N. R. 3 W.

DUPLICATE

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 3 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Robert D. Gwaltney

Box 1074 Helena Montana

(Name of Appropriator)

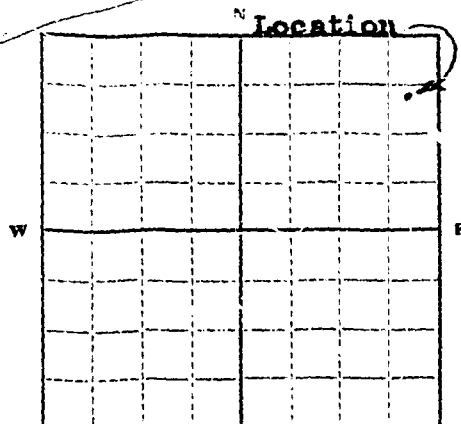
(Address)

(Town)

County of Jefferson & McConeState of Montana

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

Well is in Jeff Co



SE 1/4 NE 1/4 NE 1/4

1/4 Sec 14 T. 9N. R. 3W.

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 and Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. April 1922
Continuous.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 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.
Small garden spots owned by R. D. Gwaltney
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. Unknown. About 1922.
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. Dug Well 4 feet square and 40 feet deep.
10. The estimated amount of groundwater withdrawn each year. 2,700,000 Gals per year.
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 well is cemented up for most of the way.

Signature of Owner

Robert D. GwaltneyDate 16 Dec 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.

19428

83173

RECORDER'S OFFICE } ss.
Jefferson County, Montana }
Filed for record this 30 day of Dec
1963 at 810 o'clock 11 A.M.
Wm. H. Hanson
County Recorder
Fees, \$ 2.00

54592

98901

RECORDER'S OFFICE
Jefferson County, Montana } ss.
Filed for record this 29 day of June
A. D. 1923 at 202 o'clock P.M.
James P. McFarlane
County Recorder
Fee \$ 2.00

File No.

DUPLICATE

T 9 N. R. 3 W.

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

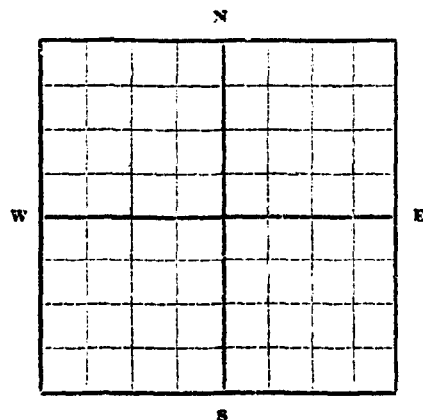
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED

STATE ENGINEER

1. JOHN W. WILDISH, of East Helena
(Name of Appropriator) (Address) (Town)
County of Jefferson State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



..... 1/4 Sec. 14 T. 9 N. R. 3 W.

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

2. The beneficial use on which the claim is based - well for domestic and irrigation purposes.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been April, 1958
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 inches or 600 gallons per minute.
(30 in = 337 gpm) csm
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof - 10 acres - N 1/4 SE 1/4 of SE 1/4 of Section 14, Township 9 N., Range 3 West.
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 April 1958
8. The depth of water table 9 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 round about 5 feet in diameter and fifteen feet deep about seven feet of water in bottom of well
10. The estimated amount of groundwater withdrawn each year about 20 acre feet
11. The log of formations encountered in the drilling of each well if available None available, but gravel to bed rock
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 W. Wildish
Date March 19, 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 School of Mines and Quadruplicate for the Appropriator.

80793

RECORDER'S OFFICE }
Jefferson County, Montana }
Filed for record this 21 day of March
A. D. 1964 at 9:30 o'clock A. M.
M. Dawson
County Recorder
Page 100

County

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 Norman Bruce

Address Montana City

For Administrator's Use

File 94636
June 9, 1971
3:00 PM

Date well started Neel-7

GW 1

completed March 5-7

Type of well Drilled

(Dug, driven, bored, or drilled)

Equipment used Churn & Rotary

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

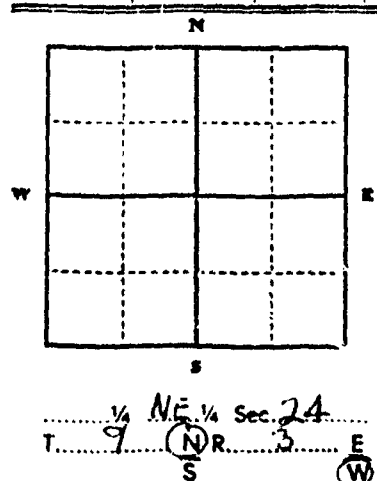
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*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 60 000

Size of Drilled Hole	Size and Weight of Castings	From (Feet)	To (Feet)	PERFORATIONS		
				Mold Size	From (Feet)	To (Feet)
6"	17 lb.	0	40			
	48 Plastic	40	216	6 x 4	200	216



Static water level 15 ft.*
Pumping water level 180 ft.*
at 30 gallons per minute,
measured 30 minutes after pumping
began.
*Measured from ground level.
Well developed by Air
for 3 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 W. Wiley Lindsay

Driller's Address Clancy Montana

LICENSE NO. 38

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)

[illegible]

216 Show exact depth of bottom

45581

94636

RECORDER'S OFFICE
Jefferson County, Montana
Filed for record this 9 day of June
A.D. 1921 at 3:00 o'clock P.M.
Joanne P. McAllister
County Recorder
Fees, \$ 2.00

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.

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 Mr. Richard GROSS

Address

For Administrator's Use

File 95078
August 27, 1971
10:25 AM

Date well started **August 3, 1971**

completed **August 6, 1971**

Type of well **Drilled**

(Log, driven, bored or drilled)

Equipment used ~~Bozary~~

(Chain drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

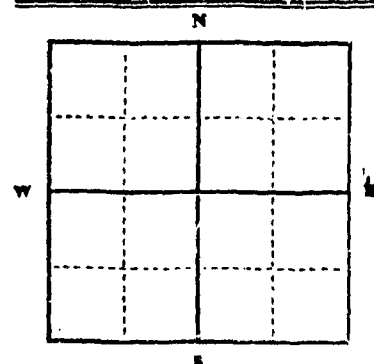
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*** Describe**

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" od x .250	1' ag	20'			
4"	PVC plastic	10'	204'	skill saw	122' 184'	132' 204'



Static water level 32' ft.*
Pumping water level 200' ft.*
at 4 gallons per minute,
measured minutes after pumping
began.

*Measured from ground level.

Well developed by ~~compressor~~
for **2** hours.

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

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

24 1/4 1/4 Sec. 2 ✓
T. 9 N R. 3 ~~E~~
W

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

Driller's Signature O'Keefe Contracting Company

Driller's Address 2804 Harvard Ave.

Butte, Montana 59701

LICENSE NO. 8

204' Show exact depth of bottom:

4896/

95078

RECORDER'S OFFICE } ss.
Jefferson County, Montana
Filed for record this 27 day of Aug
A. D. 1971 at 10:25 o'clock AM.
James P. McFarlane
County Recorder
Fees, \$ 5.00

Hole #2

RECEIVED

County... Jefferson

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 Howard Mulligan

Address Montana...City..

Date well started July 10-72

completed July 15-72

Type of wellDrilled.

(Dug, driven, bored or drilled)

Equipment usedRotary.

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

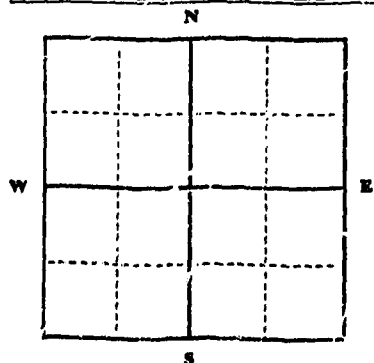
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

***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 WITHDRAWAL60,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	17lb.	0	33			
	Linear	33	140		Linear	



Static water level 23.....ft.*
Pumping water level 135.....ft.*
at 2-3.....gallons per minute,
measuredminutes after pumping
began.

*Measured from ground level.

Well developed by air
for 3 hours.

Power Elec Pump 1/2 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

..... 1/4 SE 1/4 Sec. 24
T. 9 N R 3 E

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

Driller's Signature**Driller's Address**

LICENSE NO. 38

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)

[illegible]

140 Show exact depth of bottom

53,385

98719

State of Montana } ss.
County of Montana }
I, the undersigned, do hereby certify that the foregoing is a true and correct copy of the original as the same appears from the records of the County of Montana.
Witness my hand and seal this 5 day of June
1923 at 4:10 o'clock P.M.
J. P. McFarlane
County Recorder
200

5,827

97752

RECORDERS OFFICE }
Harrison County, Montana } St.
Filed for record this 10 day of Nov
1922 at 4:35 o'clock P.M.
James P. McFarlane
County Recorder

By Carla Q. Matlock, Dep

[illegible]

97751

RECORDER'S OFFICE }
Jefferson County, Montana } ss.
Filed for record this 10 day of Nov
A. D. 1922 at 4:30 o'clock P.M.
Joanne C. McFarlane
County Recorder
Fees. \$2.00
By Carl A. Matlack, Dep

RECEIVED

JAN 11 1972

County Jefferson

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

NOTICE OF APPROPRIATION OF GROUNDWATER

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

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. I, Lowell C. Hanson, of Box 762, East Helena, Mt.
(Name of Appropriator) (Address) (Town)

County of Lewis & Clark, 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 Domestic water supply, stock purposes and irrigation of hayland
(describe lands to be benefited, if for irrigation)

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

The estimated amount of groundwater to be used annually Three million gallons

4. The annual period (inclusive dates) of intended use January 1 to December 31

5. The probable or intended date of first beneficial use January 1, 1972

6. The probable or intended date of commencement and completion of the well* or wells* During December, 1971

7. The location, type, size and depth of well or wells contemplated Located in East 1/2 of the NE 1/4 of the NE 1/4 of Section 25, T9N, R3W. One dug well 8 feet deep.

8. The probable or estimated depth of the water-table or artesian aquifer One developed spring, 100 feet of infiltration piping. Eight feet

9. The name, address, and license number of the driller engaged To be constructed by myself

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

will be dug and curbed. A spring will be developed and 100 feet of infiltration pipe installed to trap additional water which will be piped to a storage reservoir. Additional infiltration piping will be in-

			Spring	X
			Spring	X

For Administrator's Use	
File <u>95848</u>	<u>January 12, 1972</u>
<u>8:00 A.M.</u>	

stalled to
increase
flow if
necessary

NE 1/4 NE 1/4 Sec. 25
9 3 W

LOCATE WELL OR OTHER MEANS OF DEVELOPMENT AS ACCURATELY AS POSSIBLE ON THE PLAT.

Signature of Appropriator Lowell C. Hanson Date Dec 14, 1971

*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.

95848

RECORDER'S OFFICE

Johnson County, Montana

ss.

Filed for record this 10 day of Jan

D. 1920 at 9 o'clock A.M.

Joanna A. McFarlane

County Recorder

Fees, \$2.00

By Carla A. Matlack
Dep

RECEIVED

MAR 29 1972

GW 3 Revised 1969
205-1500-1/71

MONTANA DEPARTMENT OF NATURAL
RESOURCES STATE OF MONTANA

County Jefferson

ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

Developed After January 1, 1962

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

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.

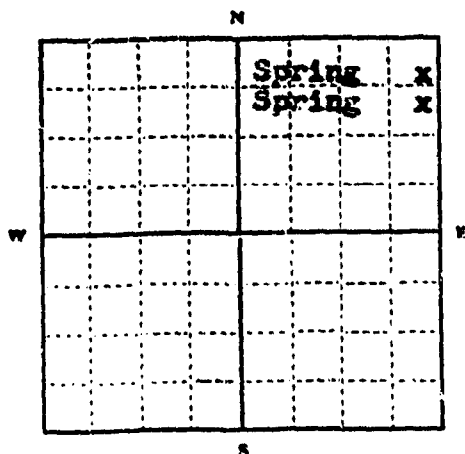
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

For Administrator's Use

File 26119 March 28, 1972

8:00 a.m.

GW 1



NE 1/4 NE 1/4 Sec. 25

T. 9 N R. 3 E W

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.

Elevation of spring, if known or estimated 4880 estimated from
USGS map.

Owner Lowell C. Hanson

Address Box 762, East Helena, Montana

Contractor (if any) Not Applicable

Address of Contractor Not Applicable

Date Started Nov. 20, 1971 Date Completed Dec. 18, 1971

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) A developed spring with 100 feet of infiltration line. Gravity flow to a storage tank at a second spring.

2. Means of withdrawing water (gravity, pump, canal, etc.) Gravity to storage tank, then pumped.

3. Depth of water table Eight feet

4. Use of the water Domestic, stock purposes and irrigation

5. Amount of groundwater claimed (in miner's inches or gallons per minute) Thirty gallons per minute

6. If used for irrigation, give number of acres and description of land Eight acres of hayland

7. Estimate amount of water used each year Three million gallons

8. Months of year spring flows Flows all twelve months of the year

Signature of Owner Lowell C. Hanson

Date 12 - 18 - 71

50,123

96119

RECORDER'S OFFICE
Golden County, Montana
for record this 28 day of March
1972 at 8:05 o'clock A.M
Jeanne P. McJannet
County Recorder
200

RECEIVED

County Jefferson 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 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 Ben B. Hopkins

Address 1607 E. 6th Ave.

Helena, Mont. 59601

Date well started 5-11-73

completed 5-11-73

For Administrator's Use	
File	<u>99476</u>
	<u>JUNE 1, 1973</u>
GW 1	<u>4:30 p.m.</u>

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Rotary Drill

(Cable drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

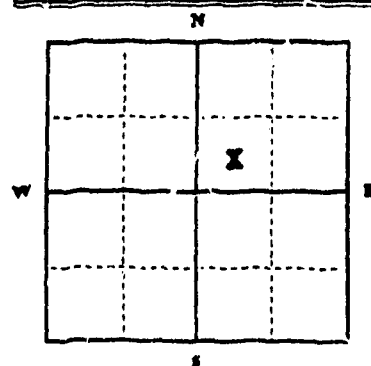
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*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 Addition).

ESTIMATED ANNUAL WITHDRAWAL 80,000 Gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6in</u>	<u>1 1/2</u>	<u>0</u>	<u>22</u>			



Static water level Flowing ft.*
Pumping water level 60 ft.*
at 60 gallons per minute,
measured 180 minutes after pumping
began.
*Measured from ground level.
Well developed by Air
for 3 hours.
Power Pump HP
Remarks: (Gravel packing, cementing,
packers, type of shut-off)

1/4 Sec. 25
T. 9 N. R. 3 W.

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

Driller's Signature

Driller's Address

Terry Lindley
Clancy, Montana

LICENSE NO. 38

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>5</u>	<u>Topsoil</u>
<u>5</u>	<u>21</u>	<u>Decomposed granite</u>
<u>21</u>	<u>100</u>	<u>Blue Granite</u>
		<u>Water found at 95-100 feet</u>

100 feet Show exact depth of bottom

53,334

98696

NOTICE } ss.
County, Montana
ed for record this 1 day of June
1973 at 1:30 o'clock P.M.
James B. McFarland
County Recorder
Fees \$ 2.00
By Carla O. Matlack
Dep

54408

98886

RECORDER'S OFFICE } ss.
Jefferson County, Montana }
Filed for record this 28 day of June
A. D. 1972 at 3:49 o'clock P. M.
Joanna O. McFarlane
County Recorder
Fees \$ 2.00
By Carla O. Metlock
Dep

County Jefferson

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 James Chamber

Address 814 Harrison

42a. Mont.

Date well started Oct 18, 1972

completed 0-7-20 1972

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used NOTES

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

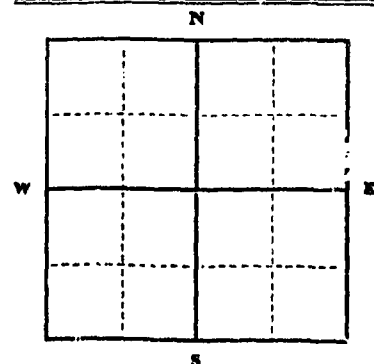
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

***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 80,000 GALS.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	17 1/2	0	38	4" plastic LINER	20	140



Static water level 50 ft.
Pumping water level ft.
at gallons per minute,
measured 4.0 minutes after pumping
began.

*Measured from ground level.

Well developed by HLF.....
for 3.....hours.

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

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

NW 1/4 NE 1/4 Sec. 25
 T. 9 N R. 3 W

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

Driller's Signature**Driller's Address**

LICENSE NO. 38

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)

[illegible]

140 Show exact depth of bottom

54469

98885

RECORDER'S OFFICE
Jefferson County, Montana
Filed for record this 28 day of June
A. D. 1923 at 3:47 o'clock P. M.
Joanne Q. McFarlane
County Recorder
Fee. \$2.00
By Carla Q. Matlack, Dep

48841

94 949

RECORDER'S OFFICE } ss.
Jefferson County, Montana }
Filed for record this 10 day of Aug
A. D. 1921 at 8:05 o'clock A. M.
Joanne O. McGowan
County Recorder
Fees, \$5.00

By Carl O. Matlack
Dep

County... **JEFFERSON**

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 Terry L. & Doris E. Copenhagen

Address Box 62-Gruber Estates

.....Glancy, Montana

Date well started March 5, 1968

completed March 6, 1968

Type of well **Drilled**

(Dog, driven, bored or drilled)

Equipment used **Churn**

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒

Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

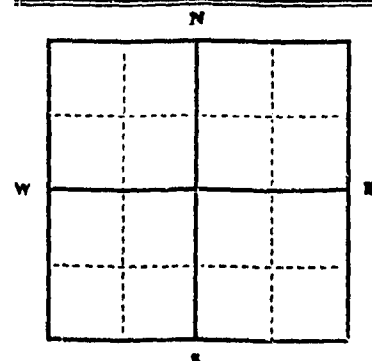
***Describe**

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). ..~~Irrigate your~~ .. garden

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	17lb	0	44ft	7/16"	44	74
				Liners from 44 to		74



Static water level 20 ft.*
Pumping water level 30 ft.*
at 12 gallons per minute,
measured minutes after pumping
began.

*Measured from ground level.

Well developed by ...**Boiler.**

for~~3~~.....hours.

Power..... Pump.....1..... HP

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

~~82~~ $\frac{1}{4}$ $\frac{1}{4}$ Sec. 26
 T. 9 N. R. 3 E. W.

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

Driller's Signature /s/ Wesley Lindsey

Driller's Address

LICENSE NO.....38

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. abc' = sea level)

[illegible]

Show exact depth of bottom

48539

94583

RECORDER'S OFFICE } ss.
Jefferson County, Montana
Filed for record this 27 day of May
A. D. 1977 at 3:40 o'clock P.
James B. McFarlane
County Recorder
Fees, \$ 2.00

File No. _____

T.M. _____ R.211

DUPLICATE

RECEIVED

County Jefferson

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

SEP 28 1968

Top of Ground

(Elev. above sea level _____)

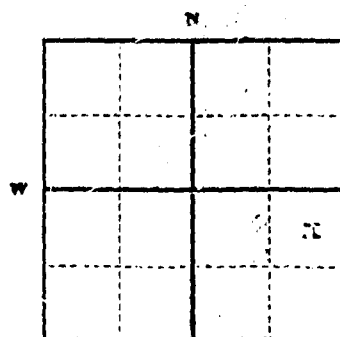
**Notice of Completion of Groundwater
Appropriation by Means of Well**
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Frank Kruber Address Helena, Mont.Driller Wesley Lindsey Address Helena, Mont.Date of Notice of appropriation of groundwater July 28, 1968Date well started July 28, 1968 Date completed July 28, 1968Type of well Drilled Equipment used churn
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☒ Stock ☐ Irrigation ☐
Industrial ☒ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	17 lb.	0	110	1 x 1 1/2	41	63

0 - 6 ft.
topsoil and gravel6 ft. to 10 ft.
gravel and decomposed rock10 ft. to 35 ft.
sand and clay35 ft. to 40 ft.
sand40 ft. to 46 ft.
gravel and sand46 ft. to 55 ft.
decomposed fault rock55 ft. to 80 ft.
decomposed rock
semi-hard80 to 110 ft.
Solid rock

1/4 Sec. T. 2 N. R. 10 E.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well
_____ feet.

Shut-in Pressure for Flowing Well _____

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

Discharge in gal. per min. of flowing well _____

How Tested _____

Length of Test _____

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

(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.

Driller's License Number

Wesley Lindsey
Driller's Signature

45667

91899

RECORDERS OFFICE }
Jefferson County, Montana }
Filed for record this 24 day of Sept.
A. D. 1914 at 8:00 o'clock A. M.
Alta M. Dawson
County Recorder
Fees, \$ 2.00

County. **JEFFERSON**

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 **Arnold C. Moenning & Michael H. Moenning**

Address **CLancy, Montana**

Date well started Dec. 8, 1967

completed Dec. 12, 1967

Type of well **Drilled**

(Dig, driven, bored or drilled)

Equipment used ~~None~~

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒

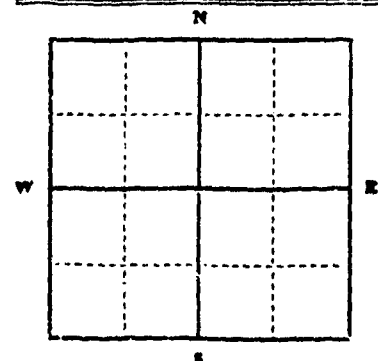
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*** Describe**

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)
6"	17 lb	0	68	Liner		



Static water level 15 ft.*
Pumping water level 62 ft.*
at 5-6 gallons per minute,
measured 10 minutes after pumping
began.

*Measured from ground level.

Well developed by ...
forhours.

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

1/4 Sec. 26
 T. 5N R. 3E

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

Driller's Signature /s/ Wesley Lindsay

Driller's Address Clancy, Montana.

LICENSE NO.....38

60 Show exact depth of bottom

This instrument amends the original of groundwater appropriation filed Sept. 16, 1968, under Allocation No. 90176, to show exact location of well.

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

(Flex. above sea level)

[illegible]

48473

94524

RECORDER'S OFFICE } ss.
Jefferson County, Montana }
Filed for record this 13 day of May
A. D. 1921 at 11:30 o'clock A. M.
James P. McFarlane
County Recorder
Fees, \$ 2.00

File No.

T. 9N R. 3 West P.M.M.

DUPLICATE

County Jefferson

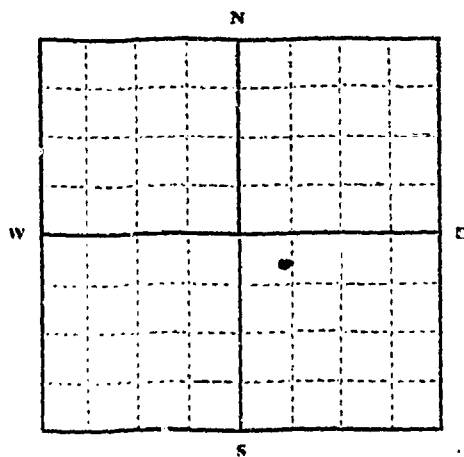
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

Prop. No. 92781
Filed for record
this 14 day of April
A. D. 19 70, at 9:30
o'clock am.



NE 1/4 Sec. 26 T. 9N R. 3 West P.M.M.

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

Date of Appropriation of Groundwater 4-2-70

Owner Paul & Georgia A. Lund Address 425 Caddis St., Helena

Contractor (if any) None

Address of Contractor

Date Started 7-1-69 Date Completed 8-1-69

1) Describe means of obtaining groundwater (as by sub-irrigation,
developed spring, drains, etc.)

Developed Spring

2) Means of withdrawing water (gravity, pump, canal, etc.)

Gravity

3) Depth of water table Not Applicable

4) Use of the water Household & Irrigation

5) Amount of groundwater claimed (in miner's inches, or gallons
per minute) 0.6 Gal/Minute

6) If used for irrigation give number of acres and description of
land YARD

7) Estimate amount of water used each year

200,000 Gallons

Signature of Owner

Paul Lund
Georgia A. Lund

Date 7-2-70

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.

46347

92781

RECORDERS OFFICE }
Jefferson County, Montana }
Filed for record this 14 day of April
A. D. 1970 at 9:30 o'clock A.
Alta M. Dawson
County Clerk
has \$ 2.00

MONTEZUMA RESOURCES BOARD
RECEIVED

APR 15 1970

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—4564

File No.

T. 9N R. 3E

DUPLICATE

County JEFFERSON

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)

ARTHUR O. MATTHEWS &

Owner: MILDRED E. MATTHEWS Address: CLANCY, MONTANA

Driller: Wesley L. Deary Address: Clancy, Montana

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

Date well started April 6, 1967 Date completed April 8, 1967

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

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

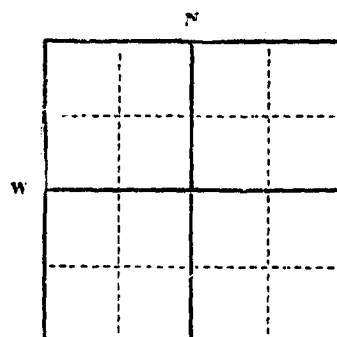
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Top of Ground

(Elev. above sea level 3750)

0--7 feet
Topsoil & Boulders7--9 feet
gravel (large)9 feet to 30 feet
Decomposed granite30 feet to 37 feet
semi-hard granite37 feet to 45 feet
granite (Broken);45 feet to 55 feet
Fault rock

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	1716	0	37	none	none	none



Static Water Level for non-flowing well 15 feet.

Shut-in Pressure for Flowing Well 34

Pumping Water Level feet

at 10 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested pump

Length of Test 4 hours

See attached sketch of Gruber estate. Remarks: (Gravel packing, cementing, packers, type of shutoff)

NE SW

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.

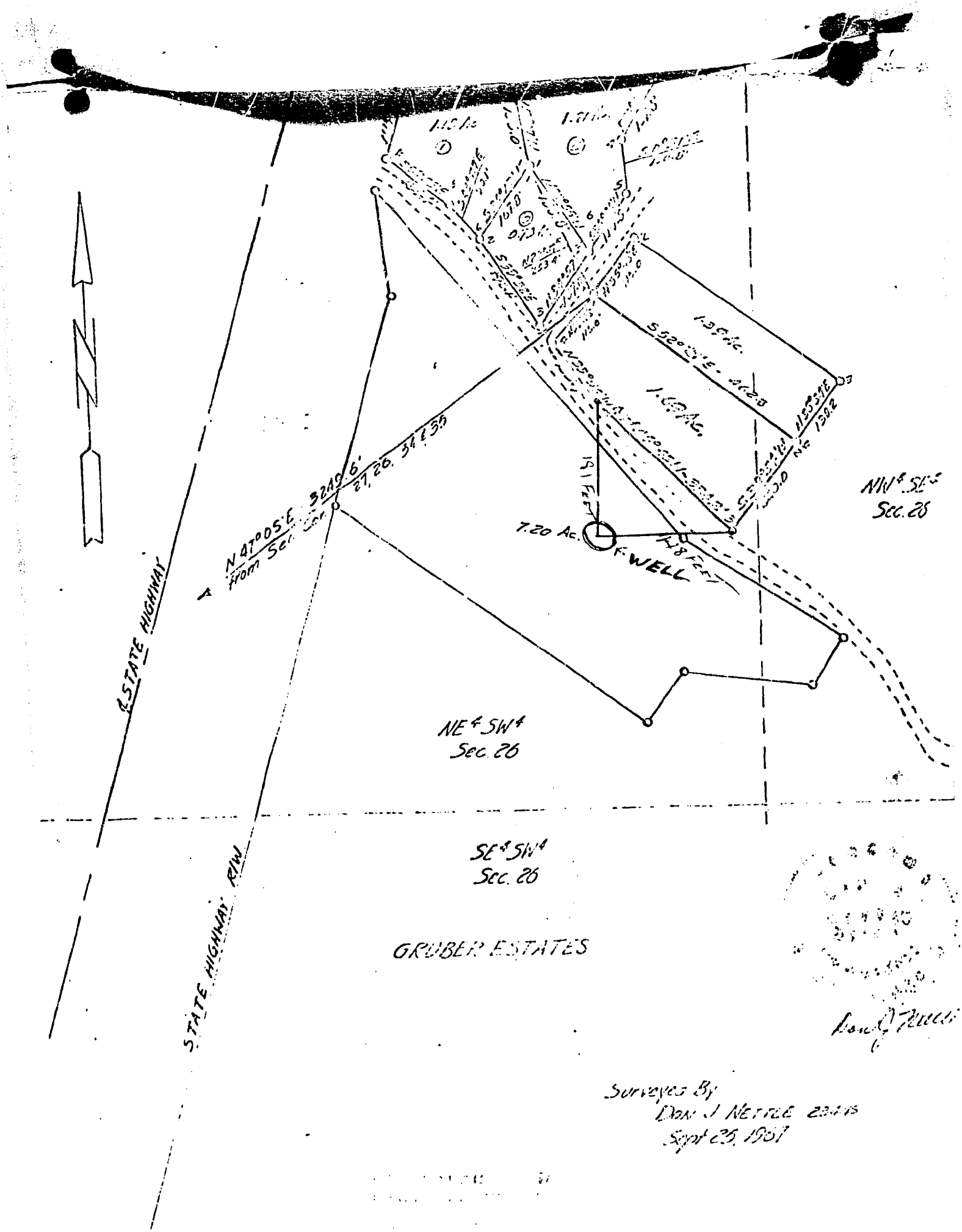
This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

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

Driller's License Number

Driller's Signature

42,770



88913

RECEIVED
JAN 22 1968
JOURNAL OF THE
MONTANA HISTORICAL SOCIETY

IN COMMISSIONER'S OFFICE } ss.
Jefferson County, Montana }

Filed for record this 18 day of January
A. D. 1968 at 4:59 o'clock P. M.

Alta M. Dawson
County Recorder

Page, 8. 226

File No.....

T 9 N R 3 W 2
County J C F Ferson N

DUPLICATE

**STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER**

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

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

Further Information
was unavailable
From driller.

Owner Russell P. Munson Address Box 61 - Gruber
 on Lindsey Address Estates
 Driller Lindsey Address Clancy

Date of Notice of Appropriation of Groundwater Fall 1966

Date well started Feb 11 1966 Date Completed _____

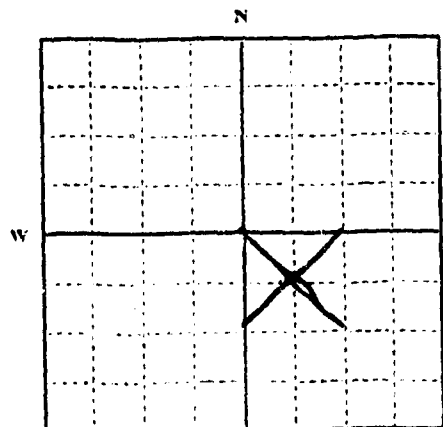
Type of well drilled Equipment Used Churn
(dug, driven, bored or
drilled) (Churn, drill, rotary or
other)

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

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

Doc. No. 92725
Filed for record
this 3 day of March
A. D. 19 70, at 10:45
clock A. M.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PEELERATIONS		
				Head Size	From (Feet)	To (Feet)
6						
5						



SE ^S $\frac{1}{4}$ Sec **26**.. T. **9N** R. **3W**
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Dead Recorded Book 93
Page 368
Eusement Fox wall IN
Good 14 misc. Page 447

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

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

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

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

How Tested.....	Length of Test.....
------------------------	----------------------------

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

acres irrigated, if used for irrigation)..... ..

Driller's License Number

.....
Driller's Signature

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

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

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

46276

92725

RECEIVED
JAN 10 1970
FILED FOR 30 March
A. D. 1970 at 10:45
Alta M. Dawson
Fees, \$200 Jannet M. McKelvey
Deputy

MONTANA WATER RESOURCES BOARD
RECEIVED

MAR 31 1970

T 9 R 3

County Helena

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 Lyn Nelson Address Clancy Mont

Driller Price & Jones Address Clancy, Montana

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

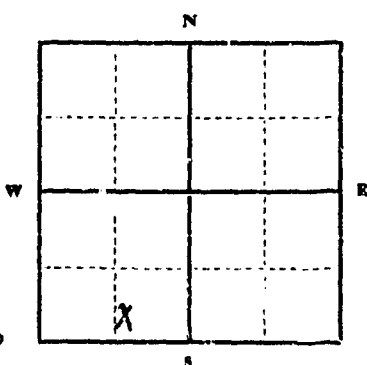
Date well started Aug 26-64 Date completed Aug 28-64

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

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Find Size	From (Feet)	To (Feet)
6"	17 1/2	0	65-		none	
					fine	



Static Water Level for non-flowing well 40 feet.

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

Pumping Water Level.....7.....feet
at.....7.....gal. per minute.

Discharge in gal. per min. of flowing well

How Tested..... Brief

Length of Test.....3 hrs.

Remarks: (Gravel packing, cementing, pack-
ers, 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.

Driller's License Number

Driller's Signature _____

242.40

85404

RECORDER'S OFFICE }
Jefferson County, Missouri } ss.
Filed for record this 21 day of June
A. D. 1965 at 12:00 o'clock P. M.
Allen M. Dawson
County Recorder
Fees, \$ 2.00
Mary Bern Flaherty
Deputy

File No. _____

STATE WATER CONSERVATION BOARD

T. 9 N. R. 3 W.

DUPLICATE

JUN 21 1966

County Jefferson

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)

0-7' loose decomposed
 granite some silt

7-19' firm decomposed
 granite very silty

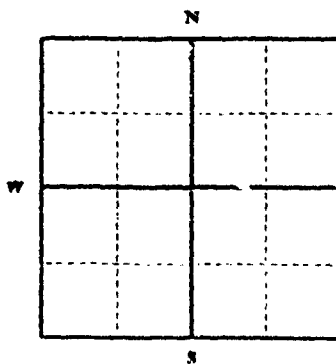
19-24' firm gray
 granite

24-27' very hard
 granite

Owner Michael G. Nick Address 1901 JeromeDriller Pice & Lindsay Address ClancyDate of Notice of appropriation of groundwater when drilledDate well started April 25-66 Date completed April 27-1966Type 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 Drill-Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" O.D.	0	27	Mills 1/2" x 12"	24	25



NE 4 SW 4

1/4 Sec. 26, T. 9 N. R. 3 W.
 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 14 feet
 at 25 gal. per minute.Discharge in per min. of flowing wellHow Tested PumpLength of Test 3 hrs.Remarks: (Gravel packing, cementing, pack-
 ers, 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 Addi-
 tion).

7.58 acres - lawn use garden
some pasture

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.

Driller's License Number

Robert Pice
 Driller's Signature

41128

86690

RECORDER'S OFFICE
Jefferson County, Montana
Filed for record this 20 day of June
A. D. 1914 at 8:00 o'clock A. M.
Alta M. Dawson
County Recorder
Fees, \$ 2.00