

File No.

T. 15 R. 7 E.

DUPLICATE

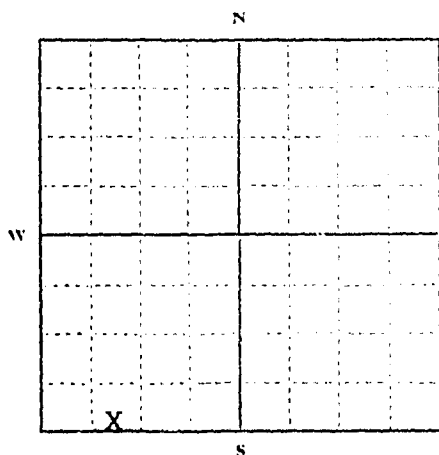
County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Doc. No. 5223
Filed for record
this 26th day of March
A.D. 19 71, at 3:55
o'clock P.M.

SE $\frac{1}{4}$ SW $\frac{1}{4}$ S.W. $\frac{1}{4}$ Sec. 14 T. 15 R. 7 E

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

Date of Appropriation of Groundwater 1930

Owner Archie N. Hunt Address Monarch, Montana

Contractor (if any)

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. water percolates to surface in
form of natural spring.

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. water used for
watering livestock during all months of year except
severe winter months. Estimated amount running and
percolating from spring 100 gallons per hour which is
picked up from basin and piped to watering trough.

Signature of Owner X. Archie N. Hunt

Date March 19, 1971

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.

48247

5273

69-14958

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
MAR 26 1971

at 3:55 o'clock P. M.

J. L. LENNON
County Clerk and Recorder.

By *W. B. Balemm*
Deputy.

101 Show exact depth of bottom

5561

STATE OF MONTANA, } ss.
County of Cascade.

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

JUN 29 1973

at

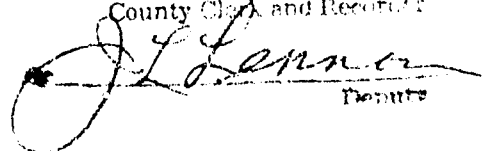
234

o'clock

P M

J. L. LENNON

County Clerk and Recorder


Deputy

 Show exact depth of bottom

5546

STATE OF MONTANA,)
County of Cascade.)

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

JUN 29 1973

File

210 o'clock P. M.

J. L. LENNON

County Clerk and Recorder.

J. L. Lennon
Deputy.

File No.

DUPLICATE

T. R.

County Cascade

LOG

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

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

Top of Ground

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

0 -- 15 -- gravel and
boulders in yellow
to brown clay
matrix15 -- 17 -- Broken brown
sandstone. Very
small amount of
water17 -- 32 -- Gray green
calcified shale32 -- 33 -- Gray sandy
lime33 -- 53' 6" -- Purple to
red sandstone and
shale. Crossbedded
thin layers.
Water.53' 6" -- 54 -- Bright red
shale

54 -- Bottom

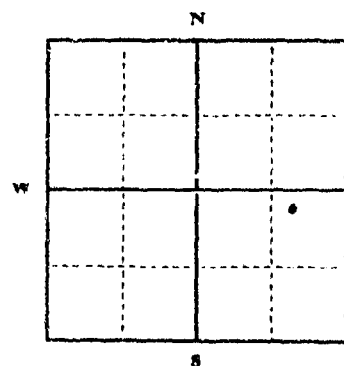
Owner Ray McClean Address Monarch, MontanaDriller Larry Jennings Address Lewistown, Montana

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

Date well started 10 - 17 - 71 Date completed 12 - 25 - 71Type of well Drilled Equipment used Cable Tools
(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 1/2" O.D. 15#	+1	54	Torch Cut Slots	32	54



NE 1/4 Sec. 14 T. 15 R. 2 E.

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

packers.

Static Water Level for non-flowing well
.....12.....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 PumpLength of Test 1 1/2 hrs.

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

Well makes 6 gpmPackers set from 26' to 28'One sack cement poured above

(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 144Driller's Signature Larry Jennings
47344

5326

STATE OF MISSISSIPPI
County of [unclear]
The [unclear] of [unclear] in the
[unclear] of [unclear] of [unclear] of [unclear]
NOV 8 1971

3:45

J. M. LORRICK

County Clerk and Recorder

A. E. Bateman

Deputy

RECEIVED

STATE OF MONTANA

JUL 10 1973

ADMINISTRATOR OF GROUNDWATER CODE

MONTANA WATER RESOURCES BOARD

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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.

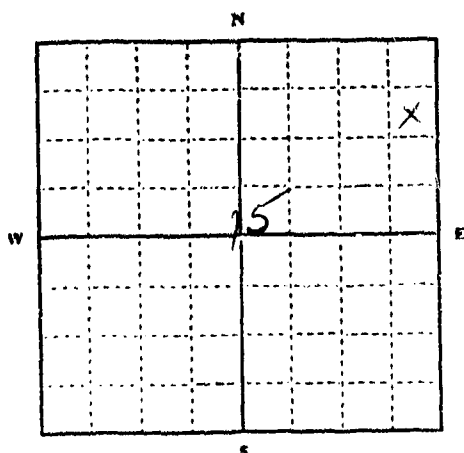
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

For Administrator's Use

File 885

0-1-73

GW 1 11-4-62



SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 15

T. 15 N. R. 7 E.

S W

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

Elevation of spring, if known or estimated

mated

Owner George Cross MARVIN CROSS

Address Monarch, Mont

Contractor (if any) None

Address of Contractor

Date Started Date Completed

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

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

3. Depth of water table UNKNOWN

4. Use of the water LIVE STOCK

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 15 GALLONS

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

7. Estimate amount of water used each year UNKNOWN

8. Months of year spring flows 12

Signature of Owner George Cross, Marvin Cross

Date June 28, 1973

5530

RECEIVED
JUN 28 1975

STATE OF MONTANA,)
County of Cascade.)

herby certify that the within in-
strument was filed for record in the

JUN 28 1975

at

1110

H

J. L. L. L. L.

County Clerk and ex-officio

J. L. Wilson
Deputy

File No.

DUPLICATE

RECEIVED

File No.

County

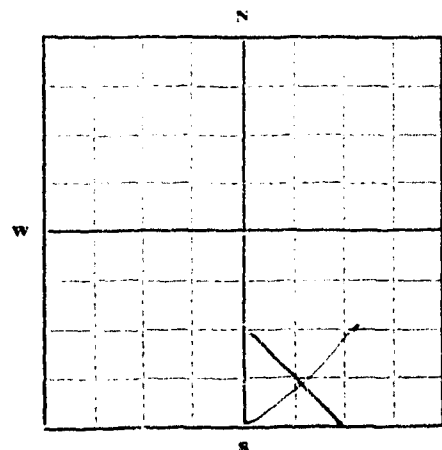
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

MONTANA
RECORDS

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. ARCHIE N. HUNT of Monarch
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SE 1/4 Sec. 22, T. 15, R. 7E

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

2. The beneficial use on which the claim is based livestock watering and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been every year and used continuously throughout each year.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) ten gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof the Southwest Quarter of the Southeast Quarter, Section 22, Township 15 North, Range 7 East, Cascade County, Montana. Owner - Archie N. Hunt
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal natural spring percolating to the surface. Water is conveyed through a two inch pipe into watering trough.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater commencement and completion in January, 1936.
8. The depth of water table water percolates to 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 not applicable
10. The estimated amount of groundwater withdrawn each year 500,000 gallons
11. The log of formations encountered in the drilling of each well if available not applicable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record not applicable

Signature of Owner Archie N. Hunt

Date June 25, 1973

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.

5567

STATE OF MONTANA, }
County of Cascade.

I hereby certify that the within-
stated was filed in the office of
JULY 2, 1972

248 P.

J. H. HEDGECOCK

County Clerk and Ex. Off.

J. H. Hedgcock
County Clerk

File No.

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

DUPLICATE

County.....

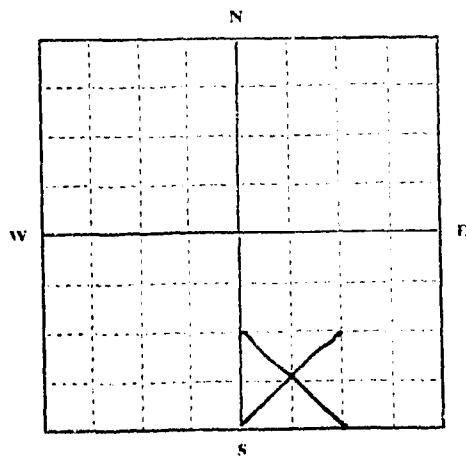
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED (Under Chapter 237 Montana Session Laws, 1961)

JUL 14 1973
MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

68
6-22-73



SW 1/4 SE 1/4 Sec. 22, T. 15, R. 7E

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

Date of Appropriation of Groundwater.....

Owner..... **Archie N. Hunt** Address..... **Monarch, Montana**

Contractor (if any) **none**

Address of Contractor **not applicable**

Date Started..... **January 1936** Date Completed..... **January 1936**

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

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittent
Quantity of water developed determined by number of
gallons collected from flow through 2" pipe in 1 minute.
estimate approximate lengths of periods of use.....

..... **continuous.**

Signature of Owner..... *Archie N. Hunt*

Date..... **June 25, 1973**

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.

5568

STATE OF MONTANA, }
County of Cascade.

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

Date
24 9 o'clock P M

J. E. LENNON

County Clerk and Recorder.

J. E. Lennon
Deputy

File No.

T. R.

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

RECEIVED

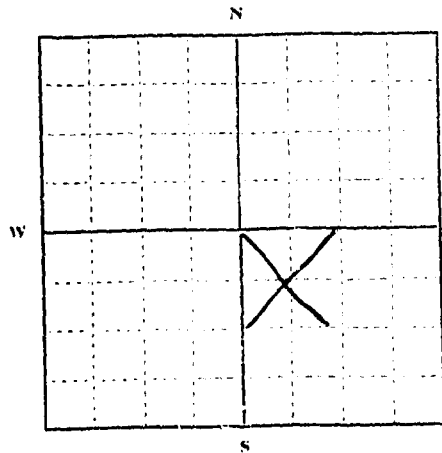
(Under Chapter 237 Montana Session Laws, 1961)

JUL 14 1973
MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

1588

1588

6-24-73



NW 1/4 SE 1/4 Sec. 22, T. 15, R. 7E.

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

Date of Appropriation of Groundwater... January 1, 1936

Owner... Archie N. Hunt Address... Monarch, Montana

Contractor (if any) ... none

Address of Contractor ... not applicable

Date Started... January 1936 Date Completed... January 1936

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

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. Quantity of water developed determined by number of
gallons collected from flow through 2" pipe in 1 minute.

continuous.

Signature of Owner. Archie N. Hunt

Date... June 25, 1973

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.

5569

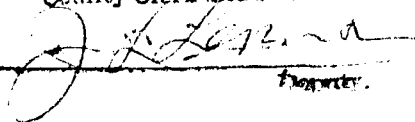
STATE OF MONTANA, }
County of Cascade.

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

Date
at 2 56 o'clock P M

J. J. LENNON

County Clerk and Recorder.


Deputy.

GW

Approved Block Form—State Publishing Co., Helena, Montana—38697

File No. 5592

T. 15 R. 7E 22

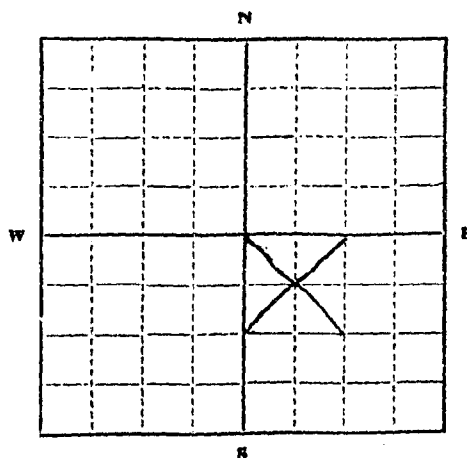
County Cascade

RECEIVED
JUL 10 1973MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATIONSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. ARCHIE N. HUNT of Monarch
(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 SE 1/4 Sec. 22 T. 15 R. 7E

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

2. The beneficial use on which the claim is based livestock watering and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been every year and used continuously throughout each year.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) ten gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof the Northwest Quarter of the Southeast Quarter S. 22 Township 15 North Range 7 East Cascade County Montana. Owner - Archie N. Hunt.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal natural spring percolating to the surface. Water is conveyed through a two inch pipe into watering trough.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater commencement and completion in January 1956.
8. The depth of water table water percolates to 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 not applicable.
10. The estimated amount of groundwater withdrawn each year 500,000 gallons.
11. The log of formations encountered in the drilling of each well if available not applicable.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record not applicable.

Signature of Owner Archie N. HuntDate June 25 1973

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.

55958

GW

5570

Approved Stock Form—State Publishing Co., Helena, Montana—38637

File No. 2-51 p.m.

T. R. 27

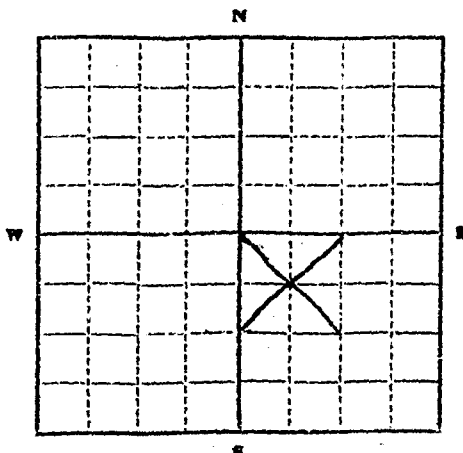
County

RECEIVED
JUL 10 1973MONTANA DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATIONSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 257, Montana Session Laws, 1961)

1. ARCHIE N. HUNT of Monarch
(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 SE 1/4 Sec. 22, T. 15, R. 7E

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

2. The beneficial use on which the claim is based. livestock watering and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. every year and used continuously throughout each year.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). ten gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. the Northwest Quarter of the Southeast Quarter, S. 22 Township 15 North, Range 7 East, Cascade County, Montana. Owner - Archie N. Hunt
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. natural spring percolating to the surface. Water is conveyed through a two inch pipe into watering trough.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. commencement and completion in January 1936.
8. The depth of water table. water percolates to 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. not applicable
10. The estimated amount of groundwater withdrawn each year. 500,000 gallons
11. The log of formations encountered in the drilling of each well if available. not applicable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. not applicable

Signature of Owner

Date June 25 1972

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.

55758

5576

STATE OF MONTANA,
County of Cascade.

Hereby certify that the within in-
strument was filed in this office on
JUN 29 1973

at 251 o'clock P M

J. V. LENNON
County Clerk and Recorder.

By J. V. Lennon
Deputy.

File No.

T. 15N R. 7E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1892

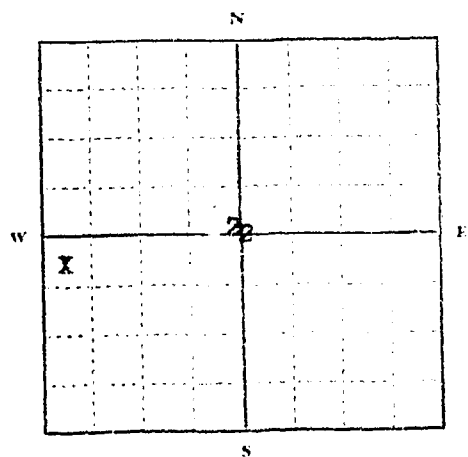
Owner H. C. Sederholm Address Gt. Falls, Montana

Contractor (if any) NONE

Address of Contractor NONE

Date Started 1892 Date Completed 1892

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural Flow - Cement Reservoir - overflow to 300 gallon tank



NW 1/4 SW 1/4 Sec. 22 T. 15N R. 7E

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 6000 gallons

per day - pressure pump to ranch house - yard -

used year around.

Signature of Owner H. C. Sederholm

Date December 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.

4212

8:16 Q

A. C. Nichols

File No.

T 15N R 7E

DUPLICATE

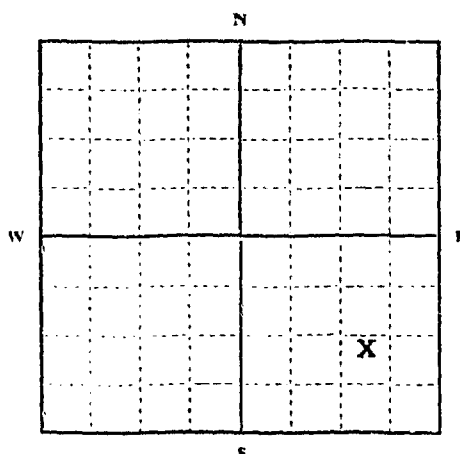
County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

DR. ROBERT H. FARNSWORTH and
1. JAMES ENGEL, of 2300 6th Avenue South, Great Falls
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE $\frac{1}{4}$ SE. Sec. 23 T15N R. 7E

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 - human consumption - General household use.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Approximately May, 1961 and continuously thereafter.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 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 Natural spring. Concrete cistern - piped to dwelling.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. May 1961
8. The depth of water table. Unknown. Estimated probable depth - 100 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. No well. Circular concrete cistern is approximately 4 ft. in diameter and 4 ft. high. Water is removed by a 1 1/2 inch pipe for diversion to point of use.
10. The estimated amount of groundwater withdrawn each year. 10,000 gallons
11. The log of formations encountered in the drilling of each well if available. Not applicable. No well has been drilled as yet since there has been a natural flow to the surface through a natural spring. This spring has been developed by the construction of cistern and pipes as aforesaid.
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. Appropriation is located on the Southside of Power Coulee, West of Belt Creek, Cascade County, Montana, approximately 1000 ft. more or less, from the SE corner of Section 23, T. 15N. R. 7E. Place of use is approximately 1500 ft. East of place of appropriation.

James Engel
JAMES ENGEL

Signature of Owner

Robert H. Farnsworth
ROBERT H. FARNSWORTH
Date December 30, 1963

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

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

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

28289

4300

STATE OF MONTANA, I.E.
County of Cascade.
I hereby certify that the within in-
strument is filed in this office
this 11th day of 1962

at 10:41 A.M. 9

By *H.C. Kidd*

T 15N R 7E

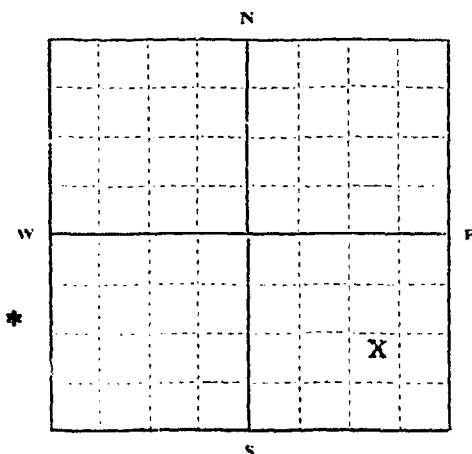
County. **Cascade**

RECEIVED
JAN 4 1964

THE ENGINEER

THE ENGINEER

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



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

2. The beneficial use on which the claim is based... **Domestic use - human consumption - General household use.**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. **Approximately May, 1961 and continuously thereafter.**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **3 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 **Natural spring. Concrete cistern - piped to dwelling.**
7. Location of the construction of the well, wells, or other works for withdrawal of water.
Estimated probable depth - 100 ft.
8. Size and depth of each well or the general specifications of any other well.
No well. Circular concrete cistern is approximately 10 ft. in diameter. Water is removed by a 1½ inch pipe for diversion.
9. Quantity of water withdrawn each year. **15,000 gallons**
10. Description of the drilling of each well if available **Not applicable. No well has been drilled. There has been a natural flow to the surface through a natural spring. This flow has been developed by the construction of cistern and pipes as shown on attached map.**
11. Description of the location of the well, wells, or other works for withdrawal of water as may be useful in carrying out the policy of this act, including a map or record.
Appropriation is located on the South side of Power Creek, Cascade County, Montana, approximately 1000 ft., more or less, from the section 23, T. 15N, R. 7E. Place of use is approximately 1/2 mile from the appropriation.

ROBERT E. ENGLERT
Date December 30, 1963

Date **December 30, 1963**

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

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

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

88179

4191

Cascade

ROBERT E. ENGLERT

8

18

Robert E. Englert
ROBERT E. ENGLERT

30th

December

63

Robert E. Englert
Great Falls, Montana

August 10

65

STATE OF MONTANA, }
County of Cascade. }

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

DEC 30 1963

45-1

John

File No.

T. 15N R. 7E

DUPLICATE

County Cascade

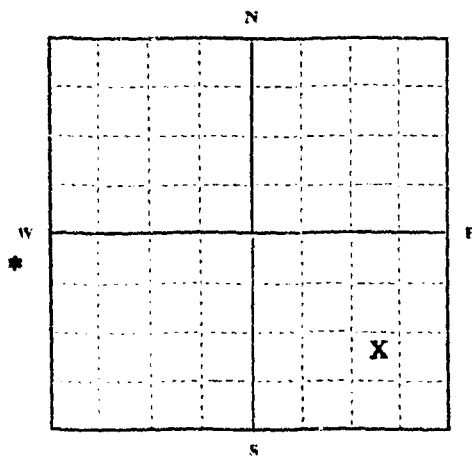
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. NORMAN WOODAHL, of 1311 3rd Avenue 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 $\frac{1}{4}$ SE Sec. 23 T. 15N R. 7E

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 - human consumption - General household use.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Approximately May, 1961 and continuously thereafter.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 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 Natural spring. Concrete cistern - piped to dwelling.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 1961
8. The depth of water table Unknown. Estimated probable depth - 100 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 No well. Circular concrete cistern is approximately 4 ft. in diameter and 4 ft. high. Water is removed by a $\frac{1}{2}$ inch pipe for diversion to point of use.
10. The estimated amount of groundwater withdrawn each year 10,000 gallons.
11. The log of formations encountered in the drilling of each well if available Not applicable. No well has been drilled as yet since there has been a natural flow to the surface through a natural spring. This spring has been developed by the construction of cistern and pipes as aforesaid.
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 Appropriation is located on the Southside of Power Coulee, West of Belt Creek, Cascade County, Montana, approximately 1000 ft., more or less, from the SE corner of Section 23, T. 15N, R. 7E. Place of use is approximately 1500 ft. East of place of appropriation.

Signature of Owner

Norman Woodahl
NORMAN WOODAHL

Date December 30, 1963

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

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

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

28182

4194

Cascade
NORMAN WOODAHL
s
ls

NORMAN WOODAHL

Norman Woodahl

30th

December

63

John D. Green
Great Falls, Montana

August 10

65

STATE OF MONTANA, } ss.
County of Cascade.

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

DEC 30 1963

458

at _____ o'clock _____ M.

J. L. LENNON

County Clerk and Recorder

By

[Signature]
Deputy

File No.

T 15N R 7E

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

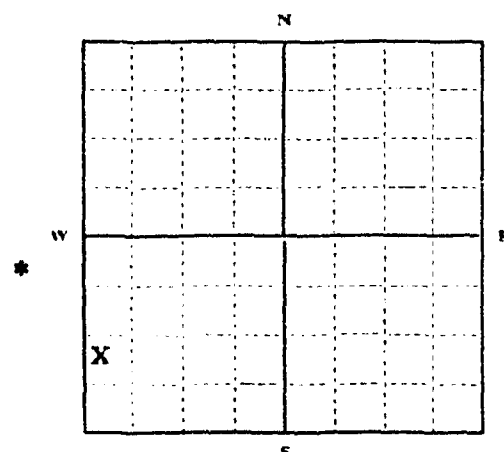
(Under Chapter 237, Montana Session Laws, 1961)

JAMES ENGEL

1. DR. ROBERT H. FARNSWORTH and/ of 2300 6th Avenue South, Great Falls
(Name of Appropriator) (Address) (Town)

County of Cascade State of Montana

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



SW 1/4 Sec. 24 T. 15N R. 7E

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 - human consumption - General household use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Appropriated in May of 1947 and used continuously thereafter.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 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 Natural spring - concrete cistern - piped to dwelling - gravity flow.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater No well. Cistern completed in May 1947.

8. The depth of water table Unknown. Estimated probable depth - 100 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 No well. Concrete cistern is approximately 6 ft. in length by 4 ft. wide by 4 1/2 ft. high. Water is removed by a 1 1/2 inch pipe for diversion to point of use.

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

11. The log of formations encountered in the drilling of each well if available Not applicable. No well has been drilled as yet since there has been a natural flow to the surface through a natural spring. This spring has been developed by the construction of cistern and pipes as aforesaid.

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 Location of appropriation is approximately as follows: Beginning at the Southwest corner of Section 24, T. 15N, R. 7E, thence bearing North 12 degrees East a distance of approximately 1300 ft., more or less, to the place of appropriation, being on the southside of Power Coulee, West of Belt Creek, Cascade County, Montana. Place of use is approximately 150 ft. East of point of appropriation.

James Engel
JAMES ENGEL

Signature of Owner

Robert H. Farnsworth
ROBERT H. FARNSWORTH

Date December 30, 1963

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

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

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

29288

4299

Handwritten: *Greene*
Great Falls, Montana

August 10 65

STATE OF MONTANA, }
County of Cascade.

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

SEP 2 5 1965

10:40

A

Record

Handwritten signature

File No.

T. 15N R. 7E

DUPLICATE

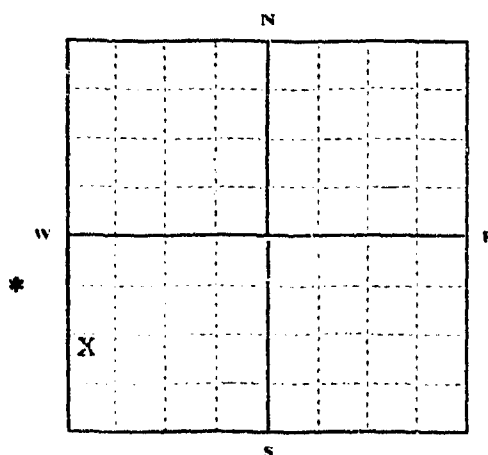
County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. DR. ROBERT E. ENGLERT, of 1405 4th Avenue 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:



SW $\frac{1}{4}$ SW Sec. 24 T. 15N R. 7E

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 - human consumption - General household use.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Appropriated in May of 1947 and used continuously thereafter.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 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 Natural spring - concrete cistern - piped to dwelling, gravity flow.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater No well. Cistern completed in May 1947.
8. The depth of water table Unknown. Estimated probable depth - 100 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 No well. Concrete cistern is approximately 6 ft. in length by 4 ft. wide by 4 ft. high. Water is removed by a 1 1/2 inch pipe for diversion to point of use.
10. The estimated amount of groundwater withdrawn each year 15,000 gallons.
11. The log of formations encountered in the drilling of each well if available Not applicable. No well has been drilled as yet since there has been a natural flow to the surface through a natural spring. This spring has been developed by the construction of cistern and pipes as aforesaid.
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 Location of appropriation is approximately as follows: Beginning at the Southwest corner of Section 24, T. 15N, R. 7E, thence bearing North 12 degrees East a distance of approximately 1300 ft., more or less, to the place of appropriation, being on the southside of Power Coulee, West of Belt Creek, Cascade County, Montana. Place of use is approximately 150 ft. East of point of appropriation.

Signature of Owner

ROBERT E. ENGLERT
Date December 30, 1963

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

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

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

28180

4192

Cascade
ROBERT E. ENGLERT
s
ls

Robert E. Englert
ROBERT E. ENGLERT

STATE OF MONTANA
County of Cascade.

I hereby certify that the within
instrument was filed in the

DEC 30 1963

456

W. O. O'Brien

30th

December

63

Great Falls, Montana

August 10

65

File No.

T 15N R 7E

DUPLICATE

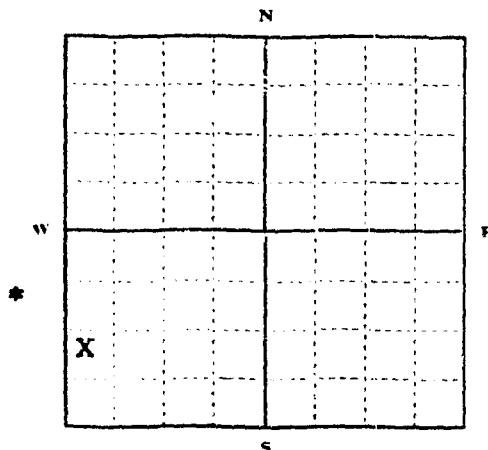
County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. NORMAN WOODAHL, of 1311 3rd Avenue 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:

SW $\frac{1}{4}$ SW Sec. 24 T. 15N R. 7E

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 - human consumption - General household use.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been appropriated in May of 1947 and used continuously thereafter.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 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 Natural spring - concrete cistern - piped to dwelling, gravity flow.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater No well. Cistern completed in May 1947.
8. The depth of water table Unknown. Estimated probable depth - 100 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 No well. Concrete cistern is approximately 6 ft. in length by 4 ft. wide by 4 1/2 ft. high. Water is removed by a 1 1/2 inch pipe for diversion to point of use.
10. The estimated amount of groundwater withdrawn each year 10,000 gallons.
11. The log of formations encountered in the drilling of each well if available. Not applicable. No well has been drilled as yet since there has been a natural flow to the surface through a natural spring. This spring has been developed by the construction of cistern and pipes as aforesaid.
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 Location of appropriation is approximately as follows: Beginning at the Southwest corner of Section 24, T. 15N, R. 7E, thence bearing North 12 degrees East a distance of approximately 1300 ft. more or less, to the place of appropriation, being on the southside of Power Coulee, West of Belt Creek, Cascade County, Montana. Place of use is approximately 150 ft. East of point of appropriation.

Signature of Owner

NORMAN WOODAHL

Date December 30, 1963

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

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

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

28181

4193

Cascade
NORMAN WOODAHL
Is

NORMAN WOODAHL

Norman Woodahl

30th

December

63

Great Falls, Montana

August 10

65

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

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

DEC 30 1963

at 4:57 o'clock P.M.

J. L. LENNON

County Clerk and Recorder.

By

[Signature]
Deputy.

File No.

T. 15 N. R. 7 E

DUPLICATE

County Cascade

LOG

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

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

Top of Ground

(Elev. above sea level 5495 FT.)0 - 32 -- Thin layers of
reddish purple and
dark gray sandy shale32 - 57 -- Dark purple silted
sand57 - 68 -- Light gray sandy
lime68 - 84 -- Dark purple sand-
stone with thin
layers of light gray
sandstone.
Contains water.84 - 102 -- Gray quartz
sandstone.
Contains water.102-110--Layers of white
and gray sand and
purple sandy shale.
Water in sand layers.

110 -- Bottom

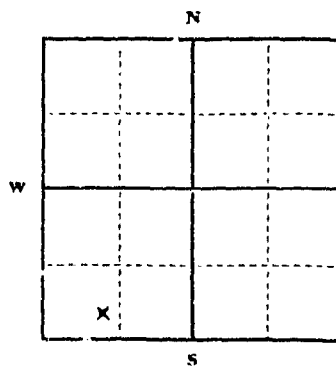
Owner Ira Rodkins Address Monarch, Montana
Driller Larry Jennings Address Lexington, Montana 59457

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

Date well started 11-1-72Date completed 11-2-72Type of well Drilled Equipment used Rotary
(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"	4 1/2" O.D. 10#	1	110	Torch Cut Slots	68	110

SW 1/4 Sec. 27 T. 15 N. R. 7 E.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.Static Water Level for non-flowing well
68 feet.

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

Pumping Water Level 110 feetat approx. 10 gal. per minute.

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

How Tested Air CompressionLength of Test 1 hourRemarks: (Gravel packing, cementing, packers, type of shutoff) Packers set at 60' and 20'

(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.

226
Driller's License NumberLarry Jennings
Driller's Signature.

5532

STATE OF MONTANA, }
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
JUN 28 1973

11:46 AM

JUL 1 1973

County Clerk and Recorder

J. S. Wilson
Deputy.

200

GW 3

File No.

DUPLICATE

T. 15 R. 7E
County Big Horn

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE JAN 1 1962
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1966

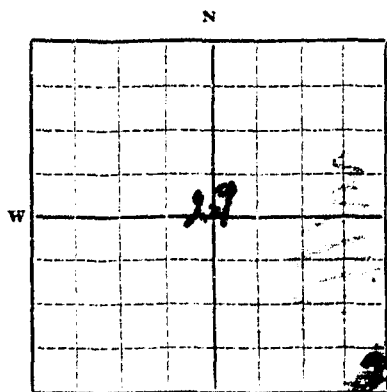
Owner John D. Morrison Address Big Horn

Contractor (if any)

Address of Contractor Big Horn

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. Livestock water
in irrigation 4 miles



SE 1/4 Sec 29 T. 15 R. 7E

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 8 to 12
months livestock water 3 months
irrigation

Signature of Owner John D. Morrison

Date Dec 15, 1966

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.

27785

3796

STATE OF MONTANA,) ss.
County of Cascade.


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

DEC 27 1963

at 10:26 o'clock P.M.

J. E. LENNON

County Clerk and Recorder.

By  Deputy.

GW3

File No.

DUPLICATE

T. 15 N. R. 7 E

County Beaverhead

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 2 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 12/11

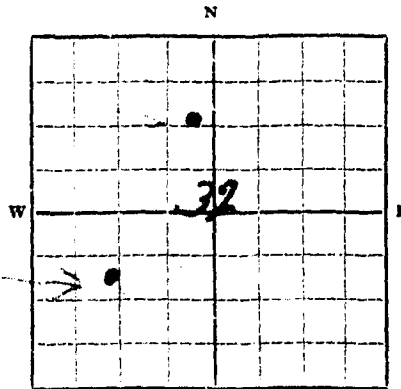
Owner Fred Remington Address Beaverhead

Contractor (if any) None

Address of Contractor None

Date Started None Date Completed None

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. 8 inches



NW 1/4 Sec 32 T. 15 N. R. 7 E
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

Stock water 12 months
irrigation 4 months

Signature of Owner Fred Remington
Date Dec 15 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 Quaduplicate for the Appropriator.

27787

3798

STATE OF MONTANA, }
County of Cascade. }

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

DEC 27 1968

at 10:28 P.M.

J. E. KENNON

County Clerk and Recorder

By J. J. Johnson
Deputy

GWS

File No.

DUPLICATE

T. 15 N. R. 7 E

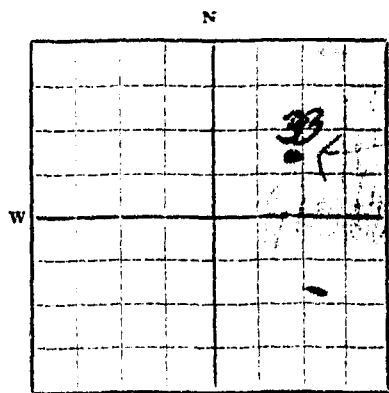
County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE JAN 1 1963
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1905 or before
Owner Fred Pennington Address Payne, Wyo
Contractor (if any) none
Address of Contractor none
Date Started Date Completed



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

Spring
Pennington

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

NE 1/4 SW 33 T 15 N R 7 E

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

Stock
and used for use 12 months
for sub-irrigation 3 months
Perkins to my adjoining
land.

Signature of Owner Fred Pennington

Date Dec 15, 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.

27786

3797

STATE OF MONTANA, }
County of Cascade, }

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

DEC 27 1963

at 10:27 o'clock AM

J. E. JORDON

County Clerk and Recorder.

By J. J. Johnson
Deputy.

County Cascade

STATE OF MONTANA
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 5522

1-23-73

GW 1 11454 p.

N

W

E

S

X

1/4 Sec. 34

T. 15, N. R. 7E E
S W

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

Elevation of spring, if known or estimated

Owner Lola Perkins

Address Monarch, Montana

Contractor (if any) None

Address of Contractor

Date Started Date Completed

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

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

3. Depth of water table unknown

4. Use of the water Domestic and Livestock

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons

6. If used for irrigation, give number of acres and description of land none

7. Estimate amount of water used each year unknown

8. Months of year spring flows 12 months

Signature of Owner Lola Perkins

Date June 28, 1973

36670

5531

~~JUN 28 1973~~

STATE OF MONTANA, }
County of Cascade.

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

JUN 28 1973

1145 _____

J. E. HENKON

County Clerk and Recorder

J. E. Wilson
Deputy.

GW 2

File No.

DUPLICATE

LOG

Top of Ground

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

0-17 Broken lime
in brown shale17-18 Brown
sandstone18-52 Green shale
with thin layers
of black & dark
brown lime52-68 - Purple
shale layers
in green shale68-85 - Dark brown
to purple sandy
layers contain
water

85 - Bottom

Approved Stock Form—State Publishing Co., Helena, Montana—50551

T. 15 R. 2E

County Cas

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDNotice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner Gordon Adolphson Address Menarch Mont.

Driller Larry Jennings Address Lewistown Mont.

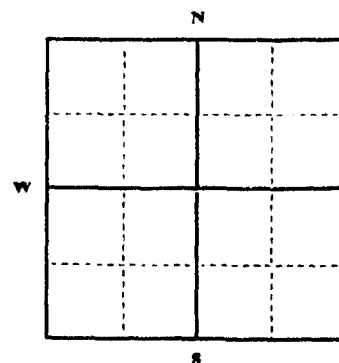
Date of Notice of appropriation of groundwater.....

Date well started 4-14-71 Date completed 4-17-71

Type of well Drilled Equipment used Cable tools
(Dug, driven, bored or drilled) (Chain 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"	6 5/8" OD 15#	1'	18'	Perch cut	70'	85'
	4 1/2" OD 6 3/4"	16'	85'	Slats		



Static Water Level for non-flowing well 61 feet.

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

Pumping Water Level..... 62 feet

at approx 30 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Pump

Length of Test 5 hours

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

Packer set at 65'

1/4 Sec. T. R.
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.

144
Driller's License NumberLarry Jennings
Driller's Signature.

118598

5287

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

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

JUN 7 1971

Date

at 2:40 o'clock P M.

J. L. LENNON

County Clerk and Recorder

By

A. E. Bakeman

Deputy

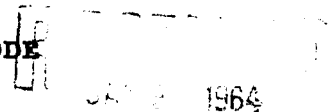
File No.

T. 15 S. R. 7 E.

DUPLICATE

County.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER



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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.

Owner **Robert A. Dreher** Address **Monarch, Montana**

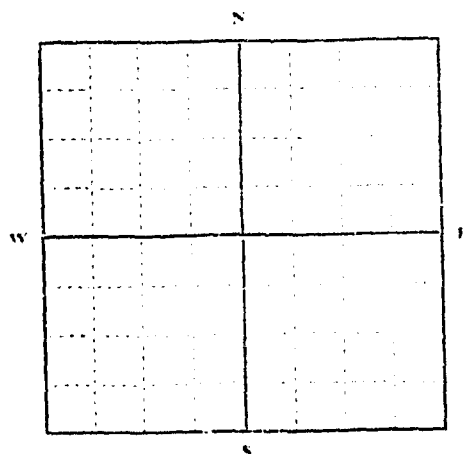
Contractor (if any)

Address of Contractor

Date Started **July 1, 1958** Date Completed **July 15, 1958**

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. **Spring reservoir 4' by 8'**

natural flow



1/4 Sec. T. R.

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.

year round use

30 gallons per. minute 1st of may to the 1st of august

15 gallons per. minute 1st of august to the 1st of may

this is an approximate estimate

Signature of Owner.

Date **December 27, 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.

27826

3838

STATE OF MONTANA,
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
DEC 27 1962

at 1:27 o'clock

J. L. LENNOR

County Clerk and Recorder

By

J. J. Johnson
Deputy

File No. _____

T. R. E.

DUPLICATE

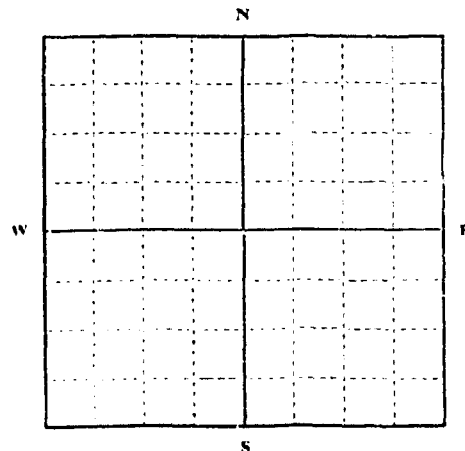
County _____

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Katherine Konkel of 417 Central Ave. Great Falls, Mont.
(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 Home, Bar, Cafe
Rest Room, Lawn Irrigation
3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been Drilled Well 1952
4. The amount of groundwater claimed (in miner's inches or gallons
per minute) 2500 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
approximately 1 acre lots 13 to 24
block 82 first addition to Monarch well
located on lot 14
Katherine Konkel
6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal
Well electrically driven working head pump
lot 14 block 82 first addition to Monarch
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater Drilled Sept. 15, 1952
8. The depth of water table 165 feet to 85 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater Well drilled and cased
10. The estimated amount of groundwater withdrawn each year 26 billion 7 hundred and 50 gallons
11. The log of formations encountered in the drilling of each well if available Drilled and cased
dirt sand and limestone
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 Nov. 12 1925
J. R. Konkel

Signature of Owner

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 Quaduplicate for the Appropriator

2841

4423

STATE OF MONTANA, }
County of Cascade. }

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

12 31 1966

12 31 1966 o'clock M.

J. L. LENNON

County Clerk and Recorder

By G. J. Schumacher
Deputy

File No.

154 R 2E

DUPLICATE

County Cascade

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

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

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

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Monarch School Dist. # 23

0' — 85' Gravel, Boulders, &
Soft Yellow Sandy
Clay

Owner.....Address Monarch, Montana

85' — 107' Broken Yellow
& White Lime-
stone

Driller Larry Jennings Address Lawistown, Montana

107' — 210' Limestone;
Many Crevices

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

Date well started August 25, 1968 Date completed October 11, 1968

210' — 225' Sandstone with
Lime and Clay
Layers.
Contains water.

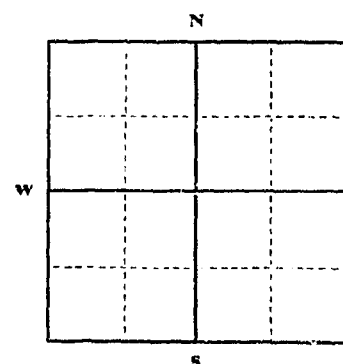
Type of well Drilled Equipment used Rotary from 160' to Bottom
Cable Tools to 160'
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☒ School House

225' — 230' Dark Brown
Sandy Clay

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.

Bottom — 230'

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" O.B. 12 Lb.	Driven 0'	88'	Torch Cut Slots 1/8" X 6"	205'	230'
6"	4 1/2" O.B. 6 3/4 Lb.	0'	230'			

Static Water Level for non-flowing well 198 feet

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

Pumping Water Level 200 feet
at 10 gal. per minute.

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

How Tested Pump (Submersible)Length of Test 42 Hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Packers Installed at 208'. Four Sacks of Cement outside Casing above Packer.

1/4 Sec. T. R.
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

144

14,832

5149

STATE OF MONTANA, ss.
County of Cascade.

I, the undersigned, do hereby certify that the within and
foregoing was filed in this office on

NOV 29 1966

at

Bozeman, Montana.

J. E. LINTON

County Clerk and Recorder.

By

A. C. Tucker

Deputy.

GROUNDWATER INDEX

Page 1 of 1

County Lincoln Twp. 1.5N Rge. 8E

[illegible]

File No.

T. 1 R. 1

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

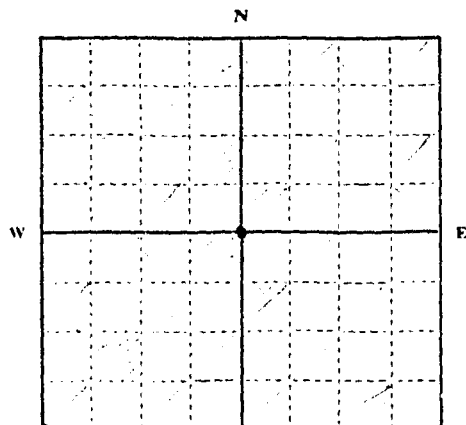
RECEIVED
JAN 17 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. HERBERT C. ALLISON of Box 26, Monarch,
 (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:



Lots 25 to 32 inclusive, Block 2,
Strains Addition to Monarch, Cascade
County, Montana. (Well on Lot 27).
 Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres

2. The beneficial use on which the claim is based.....
Household use.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
Year 1932
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
Continuous
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.....
Year 1932.
8. The depth of water table.....
Six 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.....
Six feet in diameter, concrete walls, eight feet deep.
10. The estimated amount of groundwater withdrawn each year.....
20,000 gallons
11. The log of formations encountered in the drilling of each well if available.....
None
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....
Assessor's book 1, Page 12, Line 14.
Deed, book 269.

Signature of Owner H. C. AllisonDate 12-2-63

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.

9567

43518

STATE OF MONTANA, } ss.
County of Cascade.

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

DEC 16 1963

Date

at 2:40 o'clock P.M.

J. L. LENNON

County Clerk and Recorder.

By

B. Green

Deputy.

Page of [illegible]

County Cascade

STATE OF MONTANA
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 236454
June 29, 1973
GW 1 1020 R. 122

Owner

Address

Contractor (if any)

Address of Contractor

Date Started Date Completed 10/1/72

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

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

3. Depth of water table

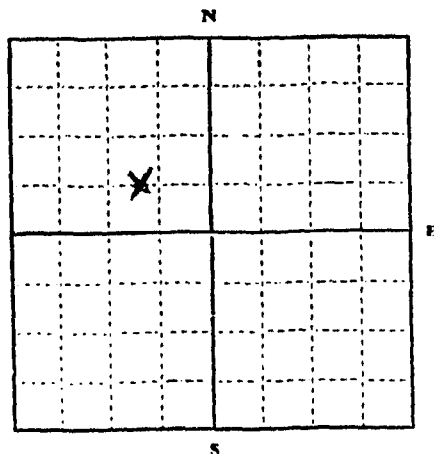
4. Use of the water

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

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

7. Estimate amount of water used each year

8. Months of year spring flows



SE 1/4 10 1/4 Sec. 1
T. 11 N. R. 1 E. W

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated 5000 ft

Signature of Owner [Signature]

Date June 29, 1973

54740

County Cascade

STATE OF MONTANA
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.

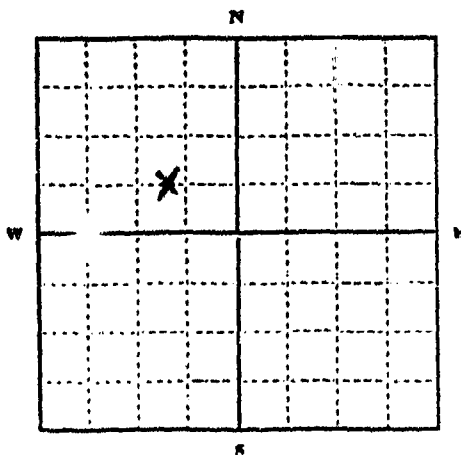
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

For Administrator's Use

File 23645

June 29, 1973

GW 1 1020 P.M.



SE 1/4 NW 1/4 Sec. 1

T. 14 N. R. 1 E. W

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

Elevation of spring, if known or estimated 5500 feet

Owner John A. Smith

Address 1234 Main St. Butte, MT

Contractor (if any) None

Address of Contractor None

Date Started June 1, 1973 Date Completed June 29, 1973

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 6-10 feet

4. Use of the water Domestic

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 2 gallons per minute

6. If used for irrigation, give number of acres and description of land None

7. Estimate amount of water used each year 600,000 gallons

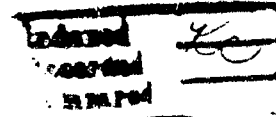
8. Months of year spring flows Year round

Signature of Owner John A. Smith

Date June 29, 1973

54744

226454



NEW ORLEANS, LOUISIANA
JAMES LEWIS & CLARK } 50

to the writer in
my place on

973 907
10 73 10 AM

James Lewis & Clark
New Orleans, Louisiana

John Lewis
James Lewis & Clark
Deputy

County Cascade 1

STATE OF MONTANA
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)

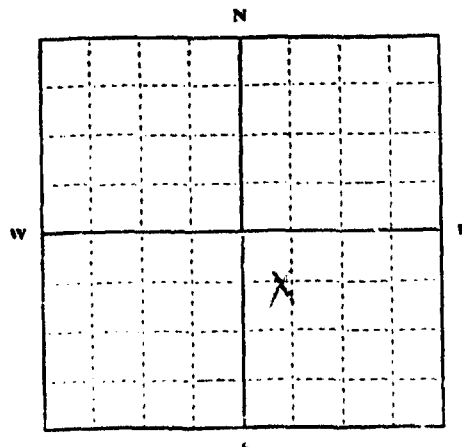
This form to be prepared by contractor (if any), otherwise by the owner.

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 236-456
June 29, 1973
GW 1 10-22-0-121



1/4 Sec. 1
T. 11 N. R. 1 E.
S. W.

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

Elevation of spring, if known or estimated 5000

Owner S. H. H.

Address 1000 E. 1st St. Cascade, MT

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed _____

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.) 1000 ft.

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

3. Depth of water table 1000 ft.

4. Use of the water 1000 ft.

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 1000 ft.

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

7. Estimate amount of water used each year 1000 ft.

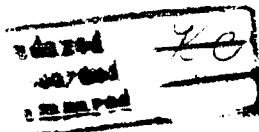
8. Months of year spring flows 1000 ft.

Signature of Owner S. H. H.

Date _____

54746

236456



STATE OF MONTANA
COUNTY OF LEWIS & CLARK } SS

I hereby certify that the within in-
strument was filed in my office on
this 29 day of March
A.D. 19 73 at 11 min. AM
11 o'clock AM

Records of Lewis & Clark
County, State of Montana

John D. Smith
County Recorder
W. C. Smith
Deputy
W. C.