

CV

Approved Stock Form—State Publishing Co., Helena, Montana—22234

File No.

T. 21 / R. 11

DUPLICATE

County Forsyth

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

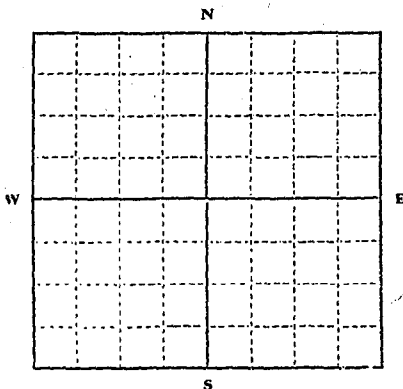
R
JAN 29 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Daniel H Evans, of Osando
(Name of Appropriator) (Address) (Town)
County of Forsyth State of Montana

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



1/4 Sec. T21 NR. 11 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 Residential yard & gardens
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1946 daily usage
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gallons per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof yard, garden and other parts
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal water pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950?

8. The depth of water table 16 to 18 feet from 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

steel casing six 6" and depth of 90 feet. water pipe to top of ground surface

10. The estimated amount of groundwater withdrawn each year 15,841,200 if necessary

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

Clay, sand and gravel

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

Signature of Owner Daniel H Evans

Date 1-24-64

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.

34253

CV

Approved Stock Form—State Publishing Co., Helena, Montana—2234

File No. _____

T. 21 R. 11

DUPLICATE

County Powell

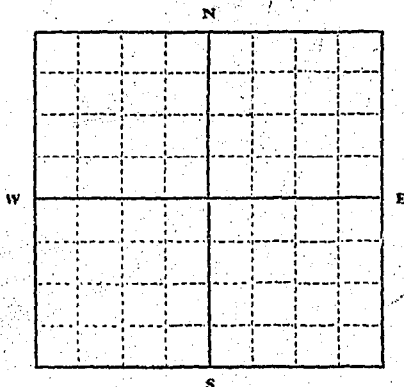
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

R
JAN 29 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Daniel H Evans, of Orono, (Name of Appropriator) (Address) (Town) Montana
County of Powell State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T21 NR. 11 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: Residential yard & garden
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1970 daily usage
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute): 50 gallons per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: yard, garden and other purposes
- 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: 1930?
- 8. The depth of water table: 16 to 18 feet from 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: steel casing size 6" and depth of 90 feet. water rises to 10 ft. from ground surface
- 10. The estimated amount of groundwater withdrawn each year: 15, 811, 200 if necessary
- 11. The log of formations encountered in the drilling of each well if available: Clay, sand and gravel
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner: Daniel H Evans
Date: 1-24-64

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.

34253

73273

DECLARATION OF VESTED GROUND-
WATER RIGHTS

DANIEL H. EVANS

RECEIVED
POWELL COUNTY, MONTANA

January 27th. 19 64
at _____ minutes past 9:15 o'clock
A. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ 2.00 Paid

File No.

T. 19 N. R. 13 W

DUPLICATE

County Missoula

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

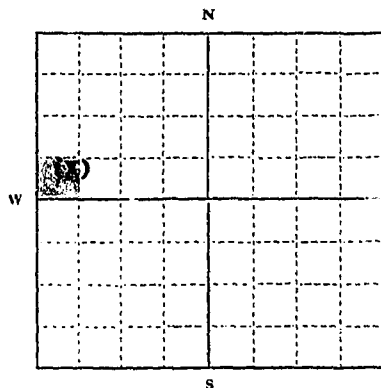
Powell

JAN 23 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. The Arrow Cattle Company, of Missoula, Montana
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 8 T. 19. R. 13.

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. Irrigation of
pasture and livestock water.
3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been. Year of 1938 and used continuously
since the year of 1938.
4. The amount of groundwater claimed (in miner's inches or gallons
per minute). 1000 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.
Eighty Acres more or less of pasture land which is
owned by The Arrow Cattle Company.
6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal. Electric
pressure pumping system. Located in the NW 1/4 of
Section 8, Township 19, Range 20 (as on Map)
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. Drilled in 1933 by a well driller by the name of Quinn and
completed in 1938. Whereabouts of Quinn is unknown now.
8. The depth of water table. 63 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 was drilled 73 feet with a six (6) inch casing.
Can use from one (1) to five (5) horsepower electric motor on pump.
10. The estimated amount of groundwater withdrawn each year. Not Known - but the well is capable of
producing at least 1000 gallons per minute without reducing the water table.
11. The log of formations encountered in the drilling of each well if available. Not Available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record. Not Known.

Signed by The Arrow Cattle Company

Howard R. ... -President
Signature of Owner Keith Johnson Secretary

Date January 17, 1964

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.

33762

1373

216602

Copy

I received and filed this instrument for
record on the 21st day of *Jan* 1964
at 11:30 o'clock *P.* M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEHNER County Recorder
By *Ethel Lane* Deputy
Fee *52⁰⁰* Paid

File No.

T. 17 R. 13

DUPLICATE

County Missoula

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.....)

0 to 33' Sand, gravel
& boulders

33' to 40' Sand & gravel

40' to 42' Gravel &
water (2G.P.M.)

42' to 43' Sand

43' to 44' Sand & gravel

44' 46' Gravel & water

46' to 51' Clay, gravel
& sand

Owner Paul Fife Address Twin Creek

Driller Glenn Camp 705 Alder Address Missoula, Mont

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

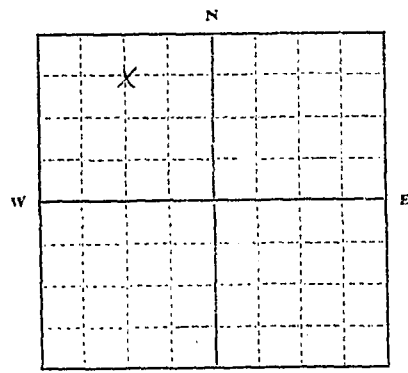
Date well started July 29, 65 Date Completed July 30, 65

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" I.D. 19.62# to ft	G.L.	to 46' and 6"	None		



N.W. 1/4 Sec. 2 T. 17 R. 13
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 22 feet.

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

Pumping Water Level 34 feet at 36 gal. per minute.

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

How Tested Bailer & Compressor Length of Test 2 hours

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

Licence # 7

Driller's License Number

Glenn Camp
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 retained.

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.

3972

1534

243007

I received and filed this Instrument for
 record on the 25 day of Oct, 1965
 at 1:45 o'clock P.M., permanent files
 of Missoula County, State of Montana
 Witness my hand:
 Veronae R. Crouse, County Recorder
 By Walter J. Head, Deputy
 Fee \$ 2.00 Paid

STATE WATER CONSERVATION BOARD

OCT 27 1965

Ellis _____	McDermott _____
Butzerin _____	McNeil _____
Coye _____	Merion _____
Darinton _____	Sullivan _____
Dickert _____	_____

GV

File No.....

DUPLICATE

T. 16 N. R. 12 W.

County Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

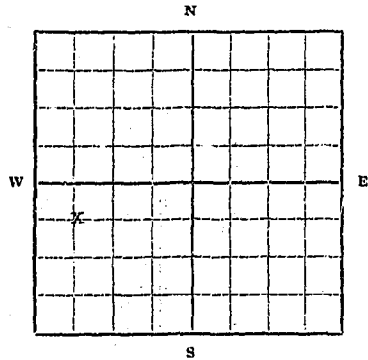
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. U. S. Forest Service of Box 17 Seeley Lake
(Name of Appropriator) (Address) (Town)

County of Missoula State of Montana

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



SW 1/4 Sec. 20, T. 16N R. 12W

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 Forest Service Administrative Use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Summer - 1935 Use has been continuous since then to present date during every spring, summer, fall and some of the winter.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 40 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 The large lawn at the Montana administrative site.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approximately - Summer 1935

8. The depth of water table Static water level at 5' - 6"

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 a 30' dug well cased with 36" corrugated metal pipe to a depth of 30'

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None known

Signature of Owner U.S. Forest Service
By Charles T. Coates, DFR
Date 5-9-62

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.

646.

70422

DECLARATION OF VESTED
GROUNDWATER RIGHTS

U. S. FOREST SERVICE

RECEIVED
POWELL COUNTY, MONTANA

May 15th, 19 62
at _____ minutes past 9:10 o'clock
A. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ NC _____

File No.

MONTANA WATER RESOURCES BOARD

T 16N R 12W

DUPLICATE

RECEIVED

County Powell

LOG

DEC 7 1970

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

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

George and

Owner Fern Moore Address Ovando, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed.

Date well started 7/5/70 Date completed 8/4/70

Type of well Drilled Equipment used Air 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.

Top of Ground Approx. (Elev. above sea level) 4150 ft.

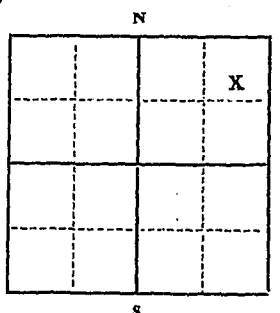
Formations Log:

- 0 - 3 Topsoil and few cobbles mixed in.
- 3 - 16 Gravel, cobbles and boulders Surface water.
- 16 - 20 Red rock with stringers of red clay.
- 20 - 250 Red rock. 2 GPM
- 259 - 275 Green rock.
- 275 - 280 Red rock.
- 280 - 832 Green rock. 11 GPM

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8 5/8 " OD x 1/2"	+1'6"	22'6"			
	6 5/8 " OD x 1/2"	+2'3"	620	N	O	N E

Doc. No. 84004
Filed for record this 3 day of December A. D. 1970 at 1:50 o'clock P. M.

Well flows a seep of water over top of casing.



Static Water Level for non-flowing well _____ feet.
Shut Pressure for Flowing Well 3 lbs.
Pumping Water Level 400 feet
at 11 gal. per minute.
Discharge in gal. per min. of flowing well Seep

How Tested Sochris Pump
Length of Test 23 hours
Remarks: (Gravel packing, cementing, packers, type of shutoff). All water entering well through cracks and seams in the rock below 259 feet.

NE 1/4 NE Sec. 30 T.16N R. 12W
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).
Approximately 5 acres.

Show exact depth of bottom.
Bottom of well 832 ft.

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.

52
Driller's License Number
William E. Colome
Driller's Signature
47860

81,004

Filed for recording
Dec 11 1970

**RECEIVED
POWELL COUNTY, MONTANA**

December 3rd 19 70

at _____ minutes past 1:50 o'clock

P. M.

Elfr. McDonough
Clerk and Recorder

By _____ Deputy

Fee \$ _____

GW 3

Approved Stock Form--State Publishing Co., Helena, Montana--42199

File No.

T.15N R. 13W

DUPLICATE

County Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 10 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Nov. 1, 1938

Owner Walter Mannix Address Ovando, Montana

Contractor (if any) None

Address of Contractor

Date Started Oct. 25, 1938 Date Completed Nov. 1, 1938

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

Ranch - Section 3 Livestock watering.

Section 4 - domestic use in ranchhouse

and irrigating.

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 2 2" pipes

full of water used for domestic purposes

and livestock water. From each spring there

is a 2" pipe. Used year around.

Signature of Owner *Walter Mannix*

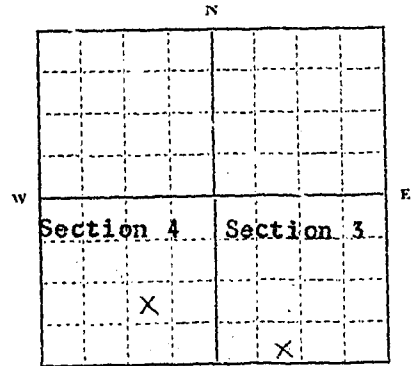
Date December 30, 1963

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.



NW4SE4-Sec. 4
SE 1/4 SW4, Sec. 3 T.15N R.13W

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

29328

73030

NOTICE OF COMPLETION OF GROUND-
WATER APPROPRIATION WITHOUT WELL

WALTER MANNIX

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 1963

at _____ minutes past 4:00 o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$2.00 Paid

File No.

T. 15N R. 13W

DUPLICATE

County Powell

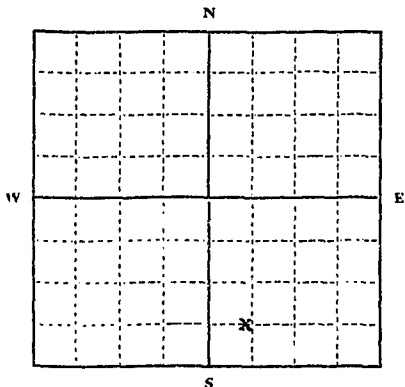
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

R
JAN 10 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Walter Mannix of Dvando
(Name of Appropriator) (Address) (Town)
County of Powell State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SE 4 Sec. 4 T 15N R. 13W

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 purposes in ranch house

3. Date or approximate date of earliest beneficial use; and how continuous the use has been First used June, 1960; used continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 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 Domestic use only.

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 June, 1960

8. The depth of water table 10 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 1 1/2" casing dug well

10. The estimated amount of groundwater withdrawn each year 50,000 gallons

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

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

Signature of Owner Walter Mannix

Date December 31, 1963

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

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

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

29329

73030½

DECLARATION OF VESTED GROUND-
WATER RIGHTS

WALTER MANNIX

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 1963

at _____ minutes past 4:01 o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ 2.00 Paid

File No.

T. 15 N R 13 W

DUPLICATE

County POWELL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JUN 24 1964

Notice of Completion of Groundwater Appropriation
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner Mrs. Justice M. Boyd Address Corvado

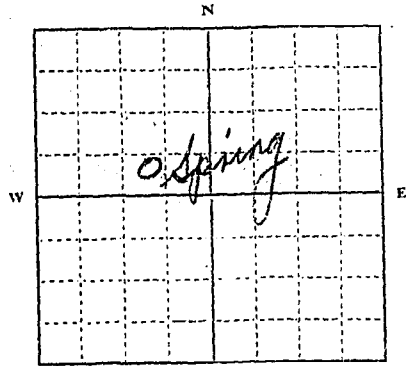
Contractor (if any)

Address of Contractor

Date Started June 1960 Date Completed July 1960

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. 4 to 5 from surface

gravity flow



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. 5 gals per minute measured by a 60 lbs pail by the timing of a watch for stock purposes and a continuous usage

SE $\frac{1}{4}$ NW ^S 23 T. 15 N R. 13 W

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

Signature of Owner Mrs. Justice M. Boyd

Date Jan 21 1964

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.

73966

NOTICE OF COMPLETION OF GROUND-
WATER APPROPRIATION WITHOUT WELL

MRS. JUSTINE M. BOYD

RECEIVED
NOWELL COUNTY, MONTANA

June 22nd, 19 64
at _____ minutes past 4:10 o'clock
P. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ 2.00 Paid

File No.

T. 15N R. 13W

DUPLICATE

County Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

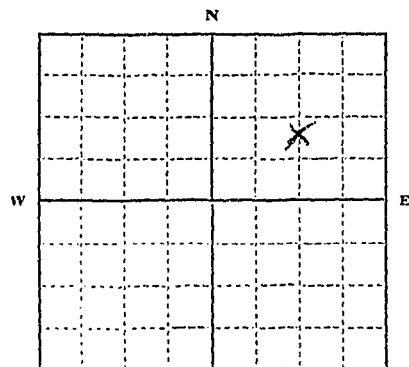
RECEIVED
JUN 2 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Mrs. Justine M. Boyd of Ovando Mont.
(Name of Appropriator) (Address) (Town)
County of Powell State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW NE S 23 15N 13W
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. House Gardens and stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1931 daily
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Garden & yard purpose Mrs. Justine M. Boyd
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric pump system

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1931

8. The depth of water table. 8 to 10 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. 30 ft. Dept. hand dug 30 in dia.

10. The estimated amount of groundwater withdrawn each year. 4475 400 gal

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

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

Signature of Owner Mrs. Justine M. Boyd
Date Jan. 21, 1964

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.

73965

DECLARATION OF VESTED GROUND-
WATER RIGHTS

MRS. JUSTINE M. BOYD

RECEIVED
POWELL COUNTY, MONTANA

June 22nd, 1964

at _____ minutes past 4:05 o'clock

P. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ 2.00 Paid

File No.

T. 15 N R. 13 W

DUPLICATE

County Powell

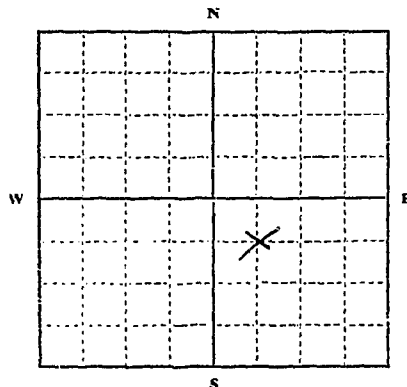
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 30 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Asacorda Forest Products, of Bozeman
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec 30 T. 15 N R. 13 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 Domestic use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. December 6, 1960
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No irrigation use
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMP - 1 Horse Motor

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. December 20, 1960 Completed
Commenced December 6, 1960
- 8. The depth of water table. 76 1/2 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. 160 feet, 6 inch casing
- 10. The estimated amount of groundwater withdrawn each year. 200000 gals. per year
- 11. The log of formations encountered in the drilling of each well if available. Not available
Robert Hudson; Helenville - Driller
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. Un Known
OK by Board of Health - Sub # W-4916

Signature of Owner Asacorda Forest Products
By: [Signature] R. Fox Date 12-31-63

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

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

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

23345

73128

DECLARATION OF VESTED GROUND-
WATER RIGHTS

ANACONDA FOREST PRODUCTS

RECEIVED
POWELL COUNTY, MONTANA

January 6th, 1964
at _____ minutes past 10:45 o'clock
A. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

by _____ Deputy

fee \$ 2.00 Paid

GROUNDWATER INDEX

County Powell Twp. 1571 Rge. 12.0

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
5	Farley, T. R.	GW4	72827	
14	Hinkell, Steven O.	GW3	78234	
14	Hinkell, Steven O.	GW4	78235	
17	Barnette, George A.	GW4	73106	
18	Kuester, Fred	GW4	73329	
21	Hampton, Harry V. + Agnes O.	GW4	72982	
22	Huckman, Robert E.	GW2	84287	
22	Huckman, Robert E.	GW3	72936	
22	Huckman, Robert E.	GW4	72937	
27	Coburn, Agnes	GW3	72709	
27	Hinkell, H. R.	GW3	88690	
28	Copenhaver, E. W. + Hilda M.	GW4	73272	
28	Copenhaver, E. W. + Hilda M.	GW4	73271	
28	Antis, Carol J.	GW4	73221	
28	Bays, Loring + Sylvia	GW4	73121	
28	Knobbs, Tom	1961	10 #	
28	Stramberg, Rosella	GW2	86637	
28	Stramberg, Rosella	GW4	86398	
28	McCormick, Dixie	GW4	73261	
28	Hughes, Frank E.	GW4	73605	
28	Farmers Union Oil Co.	GW4	73272	
28	Dixon, R. H. + J. M.	GW4	76774	
28	Coburn, Agnes	GW3	72709	
32	Colby, Fred W.	GW4	73443	
33	Hall, Louis A. + Gladys M.	1957 1957	110 #	
33	Hall, Louis A. + Gladys M.	1957	110 #	
33	Kilburn, John D.	GW4	73703	
33	Beard, L. M.	GW4	73433	
33	Beard, L. M.	GW4	73432	
33	Corpus, John B.	GW4	73255	
33	Woodman, William K.	GW4	73932	
33	Chapin, Virgil	GW4	73394	
33	Chapin, Virgil	GW4	73395	
33	Halcant, W. P. + Marie	GW4	73339	
33	Shoren, William	GW4	79146	
33	Murphy, J. B. + Lena	GW4	72828	
33	Hall, Louis A. + Gladys M.	GW4	73490	
33	Hall, Louis A. + Gladys M.	GW4	73489	
34	Murphy, J. B. + Lena	GW4	72829	
36	Wildcat Highway Com.	GW2	73934	

File No.

T 15N R 12W

DUPLICATE

County POWELL

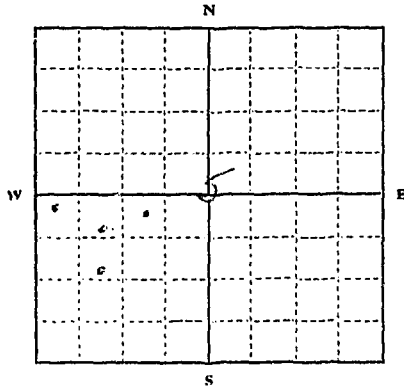
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 13 1962
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, T. R. FARLEY, of Box 46 QVAND,
(Name of Appropriator) (Address) (Town)
County of POWELL State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 5 T. 15N. R. 12W

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

2. The beneficial use on which the claim is based DOMESTIC - STOCK

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1938 CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute); 120 INCHES

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- No -

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 COMPLETED 1938-1941-1942-1961

8. The depth of water table 70 FEET SURFACE TO BOTTOM WELLS

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

TYPE - DRILLED

SIZE - 6"

10. The estimated amount of groundwater withdrawn each year ?

11. The log of formations encountered in the drilling of each well if available - No -

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

Signature of Owner [Signature]

Date DEC 11, 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.

8950

72827

DECLARATION OF VESTED GROUND-
WATER RIGHTS

T. R. FARLEY

RECEIVED
POWELL COUNTY, MONTANA

December 11th, 19 63
at _____ minutes past 2:30 o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ 2.00 Paid

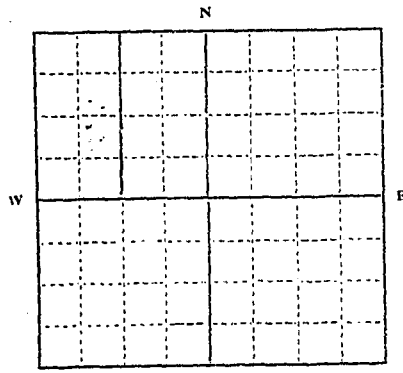
STATE WATER APPROPRIATION BOARD
File No. _____ T. 15 R. 12
DEC 19 1966
DUPLICATE B. _____
C. _____
D. _____
E. _____
F. _____
G. _____
H. _____
I. _____
J. _____
K. _____
L. _____
M. _____
N. _____
O. _____
P. _____
Q. _____
R. _____
S. _____
T. _____
U. _____
V. _____
W. _____
X. _____
Y. _____
Z. _____
County Powell

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 June 14, 1964
Owner Steven O. Hinkle Address 801 2nd St. Havre, Mont.
Contractor (if any) none
Address of Contractor none
Was occurring naturally when property was purchase
Date Started 6/14/64 Date Completed



W2NW4 S
1/4 Sec. 14 T. 15 R. 12
Indicate point of appropriation
and place of use, if possible.

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water arises from series of springs in the area indicated by dots on the map at the left. It settles in ponds up to two feet deep before leaving the property at the lower end, in the late fall there is no run off, the water sinks back into the ground 50 or 60 yards from the property line.

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. The quantity of water was measured by damming up the stream at the narrowest point and allowing it to run into a 55 gallon drum while timing it, the drum filled in 3 seconds indicating that the flow was 1100 gallons a minute. The test was run the first week in July 1966 and was repeated three times with the same results. It is used from Mid-April through December for stock purposes, irrigation and household use.

Signature of Owner *Steven O. Hinkle*
Date 11/3/66

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.

41,456

78234

RECEIVED
POWELL COUNTY, MONTANA

December 15th 1966

at minutes past 1:40 o'clock

P.M.
Daniel B. Heat
Clerk and Recorder

By _____
Deputy

Fee \$ _____

67.

STATE WATER CONSERVATION BOARD

File No.

T. 15 R. 12

DEC 19 1966

DUPLICATE

County Powell

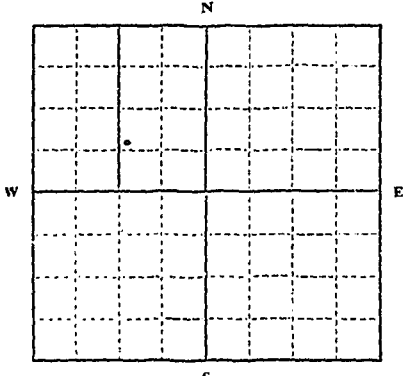
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Steven O. Hinkle, of 801 2nd St Havre
(Name of Appropriator) (Address) (Town)

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



W2NW4 Sec 14 T. 15 R. 12

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

2. The beneficial use on which the claim is based Household use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935 has been used continuously up to present date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 Gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Has not been used for irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Hand pump with a picture spout approx. 50 yards from living quarters, location indicated on map at left

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1935 by previous owner Clayton Johnson

8. The depth of water table unknown

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Sand point driven approx. 30 feet into the ground connected to hand pump

10. The estimated amount of groundwater withdrawn each year at present time 3000 gallons

11. The log of formations encountered in the drilling of each well if available not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none known

Signature of Owner [Handwritten Signature]
Date 12/1/66

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.

41457

78235

RECEIVED
POWELL COUNTY, MONTANA

December 15th 1966

at _____ minutes past 1:45 o'clock

P. M.
Amiel B. Hart

Clerk and Recorder

By _____

Deputy

Fee \$ _____

517

File No.

T. 15 N R. 12 W

DUPLICATE

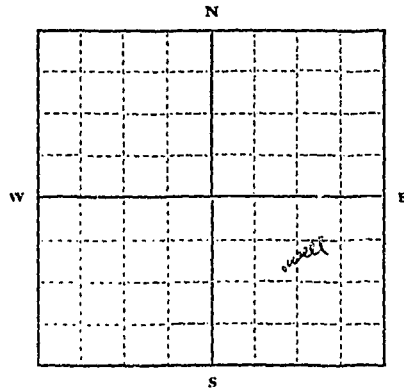
County POWELL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 30 1964

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

1. GEORGE H. BARNETT, of QUANDO
(Name of Appropriator) (Address) (Town)
County of POWELL State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 17 T. 15 R. 12 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 USED FOR HOUSE USE WASHING DRINKING TROCKING
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1939 INSTALLED & CONTINUES USE TO PRESENT DATE
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 500 GAL PER DAY
- 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 PRESSURE PUMP IS DUG IN BOTTOM OF RICK CREEK

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater WELL WAS DUG BY HAND IN 1939

8. The depth of water table AT SURFACE OF GROUND

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater DIAMETER & DEPTH UNKNOWN 1 1/2" PIPE FROM WELL TO HOUSE

10. The estimated amount of groundwater withdrawn each year 182500 gal per year

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

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 I HAVE NO OTHER INFORMATION ON WELL

Signature of Owner George H. Barnett
Date 1/3/64

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 to the Appropriator.

27118

73106

DECLARATION OF VESTED GROUND-
WATER RIGHTS

GEORGE A. BARNETT

RECEIVED
POWELL COUNTY, MONTANA

January 3rd, 19 64
at _____ minutes past 4:20 o'clock
P. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ 2.00 Paid

18

File No.

T. 15 R. 12

DUPLICATE

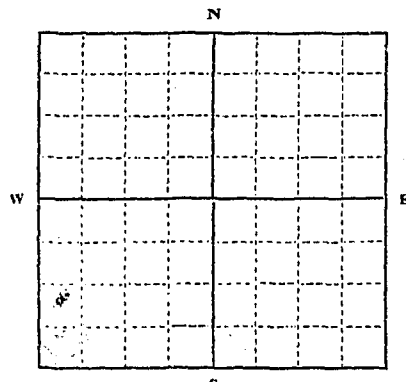
County Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
FEB 6 1964

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

1. FRED KUESTER, of Orando,
(Name of Appropriator) (Address) (Town)
County of Powell State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 18 T. 15 R. 12

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

- 2. The beneficial use on which the claim is based House Stock & Irrigation lawn
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept 1931
Has been in continuous since then.
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 1/2 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
about 2 acres on the SW 1/4 of the SW 1/4 Sec 18 T. 15 R. 12
Fred Kuester
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric Centrifugal Pump
located on the SW 1/4 of the SW 1/4 Sec 18 T. 15 R. 12

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sept 1931

8. The depth of water table 29 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 There is 26 ft. of Fine Sandy loam
& 3 ft Water Bearing gravel. Cased with 4" casing

10. The estimated amount of groundwater withdrawn each year about 1,350,000

11. The log of formations encountered in the drilling of each well if available 26 ft Fine Sandy loam
& 3 ft Water Bearing Gravel

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record No Record that I know of

Signature of Owner Fred Kuester

Date Jan 22 1964

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.

34822

73329

DECLARATION OF VESTED GROUND-
WATER RIGHTS

FRED KUESTER

RECEIVED
POWELL COUNTY, MONTANA

February 4th, 19 64
at _____ minutes past 9:05 o'clock
A. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ 2.00 Paid

21

File No.....

T. **15N** R. **12W**

DUPLICATE

County **Powell**

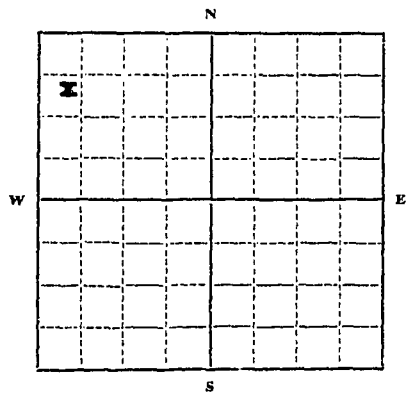
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 6 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Harry V. or Agnes C. Hampton** of **P. O. Box 81** **Ovando**
(Name of Appropriator) (Address) (Town)
County of **Powell** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N **W** 1/4 Sec. **21** T. **15** R. **12**
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based... **Domestic, Stock and Irrigation**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... **July 1 1957**
Have used off and on as we had to dig a cellar for protection from frost.

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... **What ever I need**

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof... **To irrigate a garden Owner the same**

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... **Sept. 1956 Started and completed July 1 1957**
Dug a cellar Oct. 6 1963

8. The depth of water table... **About 25 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... **8 inch 25 feet deep 12 feet of water**

10. The estimated amount of groundwater withdrawn each year... **Do not know**

11. The log of formations encountered in the drilling of each well if available... **Do not know**

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... **Do not have any records**

Harry V. Hampton
Signature of Owner *Agnes C. Hampton*
Date **12-23-63**

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

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

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

24136

72982

DECLARATION OF VESTED GROUND-
WATER RIGHTS

HARRY V. HAMPTON, ET UX

RECEIVED
POWELL COUNTY, MONTANA
December 31st, 19 63
at _____ minutes past 9:45 o'clock
A. M.
Daniel B. Hertz, Jr.
Clerk and Recorder
By _____ Deputy
Fee \$ 2.00 Paid

OF SR IS

and not rrrr showing a obj. frid of

of sr is

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 ROBERT M. SHANNON
Address 2100 PHILLIPS AVE.
BUTTE, MONT. 59701
Date well started 04.20.1970
completed 06.26.1971

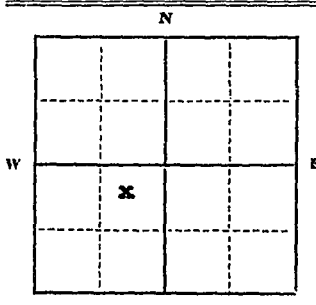
For Administrator's Use	
File	<u>84287</u>
	<u>9:30 A.M.</u>
	<u>February 16, 1971</u>
GW 1	

Type of well DRILLED
(Pneumatically driven, bored or drilled)
Equipment used OHURA 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 3,500,000

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6" ID</u>	<u>6" 4219 15.37 lbs.</u>	<u>0'</u>	<u>40'</u>	<u>1/4 inch torch</u>	<u>35'</u>	<u>40'</u>



NE 1/4 SW 1/4 Sec 22
T. 15 N. R. 12 E
X

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

Driller's Signature BARBARO DRILLING & PUMP CO.

Driller's Address 3218 PALMERS ST.

BUTTE, MONTANA 59701 LICENSE NO. 173

County PHILLIPS

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>tan soil</u>
<u>5'</u>	<u>15'</u>	<u>sand gravel</u>
<u>15'</u>	<u>23'</u>	<u>clay</u>
<u>23'</u>	<u>24'</u>	<u>gravel</u>
<u>24'</u>	<u>32'</u>	<u>clay</u>
<u>32'</u>	<u>34'</u>	<u>gravel</u>
<u>34'</u>	<u>37'</u>	<u>clay</u>
<u>37'</u>	<u>38'</u>	<u>gravel</u>
<u>38'</u>	<u>40'</u>	<u>clay</u>

Show exact depth of bottom 40'

48144

84287

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

ROBERT E. HECKMAN

RECEIVED
POWELL COUNTY, MONTANA

February 16th 19 71

at _____ minutes past 9:30 o'clock

A. M.

Bonnie J. Miller
Clerk and Recorder

By *ER*
Asst. Deputy

Fee \$ 2.00*

22

File No.

T. 15 R. 12W

DUPLICATE

County Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec 31, 1964

Owner Dr. Robert E. Heckman Address Ovando, 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.....

Springs 2 1/2 feet deep that are encased and flow by gravity as are situated on the side of a hill.

two in number.

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.....

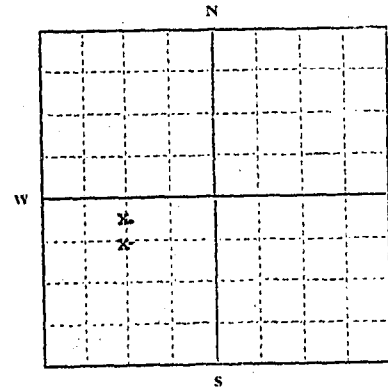
Spring furthest north produces about a quart a minute and flows all year.

Spring furthest south produces 6 gallons a minute but freezes tight during the winter months.

Above figures are estimations

Signature of Owner *Robert E. Heckman*

Date 27 December 1963



NE 1/4 of SW 1/4 of Sec 22 T. 15 R. 12W

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

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

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

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

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

72936

NOTICE OF COMPLETION OF GROUND-
WATER APPROPRIATION WITHOUT WELL

DR. ROBERT E. HECKMAN

RECEIVED
POWELL COUNTY, MONTANA

December 27th, 1963
at _____ minutes past 3:30 o'clock
P. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$2.00 Paid

File No.

T. 15 R. 12 W.

DUPLICATE

County Powell

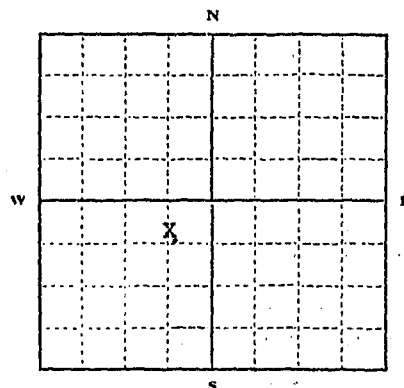
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Dr. Robert E. Heckman, of Ovando,
(Name of Appropriator) (Address) (Town)
County of Powell State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Sec. 22 T. 15 R. 12W

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

- The beneficial use on which the claim is based household garden, lawn and stock watering.
- Date or approximate date of earliest beneficial use; and how continuous the use has been 1945 Usage is normally for eight months per year.
- The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute.
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1 acre of lawn owner Robert E. Heckman
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Hand and electric pump. 200 feet east of house.

- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well was completed prior to my purchasing of the property in 1951.
- The depth of water table 10 to 15 feet
- 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 is a dug well encased in 32" concrete pipe
- The estimated amount of groundwater withdrawn each year 40000 gallons
- The log of formations encountered in the drilling of each well if available 32" cement casing. 15 feet deep
- Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Robert E. Heckman

Date 27 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.

15584

72937

DECLARATION OF VESTED GROUND-
WATER RIGHTS

Dr.
ROBERT E. HECKMAN

RECEIVED
POWELL COUNTY, MONTANA

December 27th, 1963
at _____ minutes past 3:35 o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____
Deputy

Fee \$2.00 Paid

GW3

File No.....

DUPLICATE

T. 15 N R. 12

County. Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 27 1963

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

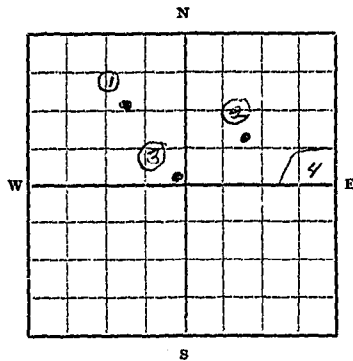
Owner. *Agnes Coburn* Address. *Ouando*

Contractor (if any)

Address of Contractor

Date Started. *6/10/63* Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. *Springs have natural flow the year round*



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

- ① NW 1/4 Sec 27 T.15 R.12
- ② NE 1/4 Sec 27 T.15 R.12
- ③ NW 1/4 Sec 27 T.15 R.12
- ④ NE 1/4 Sec 27 T.15 R.12

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

Continually in use.

No. 1 *20 inches*

No. 2 *14 inches*

No. 3 *17 inches*

No. 4 *43 inches*

Signature of Owner. *Agnes Coburn*

Date. *11/10/63*

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 School of Mines and Quadruplicate for the Appropriator.

7543

72708

NOTICE OF COMPLETION OF GROUND-
WATER APPROPRIATION WITHOUT WELL

AGNES COBURN

RECEIVED
POWELL COUNTY, MONTANA

November 22nd, 19 63
at _____ minutes past 9:15 o'clock
A. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____
Deputy

Fee \$ 2.00 Paid

43

File No. **RECEIVED**

T. **15 N. R. 12 W**

DUPLICATE JUL 8 1973

County **BOWELL**

STATE OF MONTANA
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

88630
6-29-73
435 p.m.

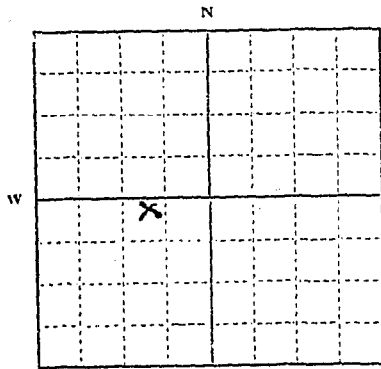
Date of Appropriation of Groundwater **July 28 1968**

Owner **G.R. HINKLE** Address **NONE 340 STRAND MISSOULA MONTANA**

Contractor (if any) **NONE**

Address of Contractor **NONE**

Date Started **NATURAL SPRING** Date Completed



SW 1/4 27 Sec. 12 N. T. R. 12 W
Indicate point of appropriation and place of use, if possible.

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. **WATER OBTAINED FROM SPRING. COLLECTED IN BOX - PIPED TO STOCK TROUGH AND ALSO TO OLD HOUSE ON PROPERTY. PRESENT BOX MADE ABOUT 25 YEARS AGO. WATER HAS BEEN USED FOR ABOUT 70 YEARS.**
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 YEAR AROUND. PRESENT RATE APPROXIMATE 3 1/2 gallons PER MINUTE. TIMED AND MEASURED by holding BUCKET UNDER OVERFLOW PIPE.**

Signature of Owner **George R. Hinkle**

Date **June 29 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.

SEE LOCATION OF SPRING AND POSSIBLE SOURCE OF SPRING MARKED ON SURVEY MAP ATTACHED TO ORIGINAL.

55808

88690 .

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION WITHOUT WELL

G.R. HINKLE

X

RECEIVED
POWELL COUNTY, MONTANA

June 27th 19 73

minutes past 4:35 o'clock

P.M.
Barbara J. Miller
Clerk and Recorder

By *GR*
Asst. Deputy

Fee \$ 2.00

GR HINKLE

FROM HEDD NEX AREA ADJUTANT
GENERAL
MONTANA DEPT OF AGRICULTURE
AND FORESTRY
CARRISBURG, MONTANA
APPROPRIATION WITHOUT WELL
MAY 1973

ADJUTANT

File No.

T. 15 11 R. 1300

DUPLICATE

County Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 29 1964

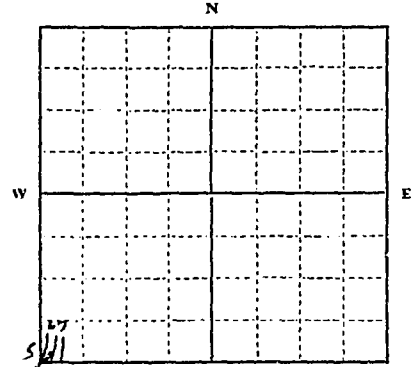
Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

E. W. J. Gertrude M. Popenhave, of Oronoke
(Name of Appropriator) (Address) (Town)

County of Powell State of Mont

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



well in Oronoke Townsite lots 5-6-7
1/4 Sec 2 S. T. R.

Indicate point of appropriation and place of use, if possible. Each small square represents 1/4 acres.

2. The beneficial use on which the claim is based irrigate lawn

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) To irrigate very small lawn

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 1/4 acre of lots 5-6-7

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1962

8. The depth of water table about 4 ft. This well lower than no. 1 well

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater dry well, 7 ft deep

10. The estimated amount of groundwater withdrawn each year about 1000

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

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

Signature of Owner E. W. J. Popenhave
Date 1-24-64

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.

73272

DECLARATION OF VESTED GROUND-
WATER RIGHTS

E. W. COPENHAVER, ET UX

RECEIVED
POWELL COUNTY, MONTANA

January 27th, 19 64

at _____ minutes past 9:10 o'clock
A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____
Deputy

Fee \$ 2.00 Paid

File No.

T. ~~23~~ 15N R. ~~11~~ 12W

DUPLICATE

County Powell

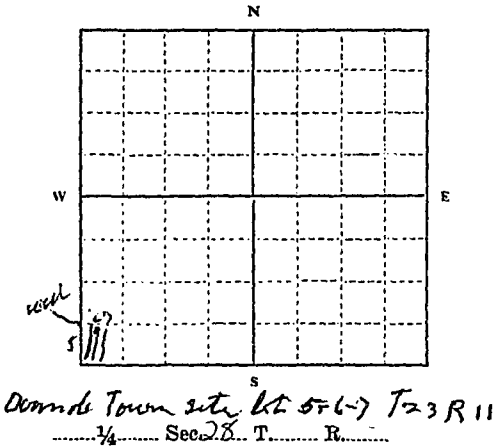
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

R
JAN 29 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. E. W. J. Gertrude M. Apshauer, of Donde Post
(Name of Appropriator) (Address) (Town)
County of Powell State of Mont.
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.....
Home & irrigate lawn
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....
Jan - 1947
continuous use
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute).....
Sufficient for home use
& lawn irrigation
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....
Lawn only on lots 5-6-7 Donde
Townsite less than 1/2 acre
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Electric power pump & tank

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....
Jan - 1947
- 8. The depth of water table.....
about 12 ft.
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
This well is in basement of house & is 1/2" dia driven
into the ground about 10 ft.
- 10. The estimated amount of groundwater withdrawn each year.....
Don't know
- 11. The log of formations encountered in the drilling of each well if available.....
Rock & gravel
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Signature of Owner E. W. J. Apshauer
Date 1-24-64

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.

73271

DECLARATION OF VESTED GROUND-
WATER RIGHTS

E. W. COPENHAVER, ET UX

RECEIVED
POWELL COUNTY, MONTANA

January 27th, 19 64
at _____ minutes past 9:05 o'clock
A.M.

Daniel B. Hertz, Jr.
Clerk and Receiver

By _____
Deputy

Fee \$2.00 Paid

File No.

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Original returned to
T. 150 R. 22 W
Lot 5 and lot 4 of block
23 Powell
County

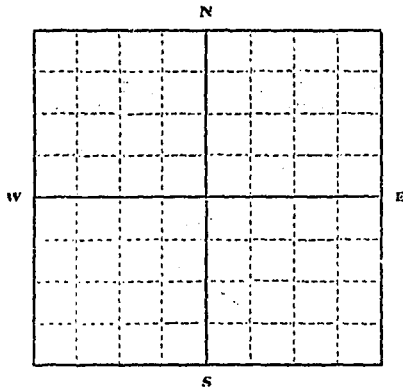
T. 150 R. 22 W

JAN 22 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Carol J Carter, of Olvando
(Name of Appropriator) (Address) (Town)
County of Powell State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 28 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 Residential yard and garden

3. Date or approximate date of earliest beneficial use: and how continuous the use has been 1956 daily usage

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Yard and Garden of other purpose. Carol J Carter

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

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

8. The depth of water table 16 to 20 FT from 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 Steel casing size 6" and depth of well is 49 feet and water rises with ~~it~~ in 16 to 20 feet from the ground surface

10. The estimated amount of groundwater withdrawn each year 15,811,200 gals. or 43,200 gals daily or 183,000 gals at 500 gals daily

11. The log of formations encountered in the drilling of each well if available Clay gumbo sand and coarse gravel

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Vol 52 Page 536

Signature of Owner Carol J Carter

Date January 17, 1964

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.

73221

DECLARATION OF VESTED GROUND-
WATER RIGHTS

CAROL CARTER

RECEIVED
POWELL COUNTY, MONTANA

January 20th, 19 64
at _____ minutes past 9:00 o'clock
A. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ 2.00 Paid

File No.

T. 15N R. 12W

DUPLICATE

County Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

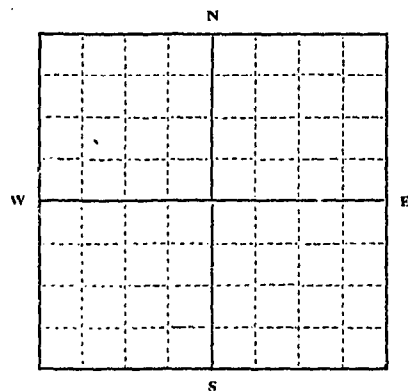
RECEIVED
JAN 9 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Lorenzo Bava & Sylvia Bava, of Ovando, Montana
(Name of Appropriator) (Address) (Town)

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



1/4 Sec 28 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..... Household & irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been..... 1945. Been continuous

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

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
For intire lot, Lot 16 Block 23 of the original town site of Ovando according to the official and survey thereof on file in the office of the Clerk & Recorder Powell County Montana

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Electric Pump Self Controlled
Location same as above line 5

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater..... 1945

8. The depth of water table..... 51 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..... Driven 5 inch ^{Crossed} Depth 51 feet

10. The estimated amount of groundwater withdrawn each year..... 182500

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

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

Signature of Owner *Lorenzo Bava Sylvia Bava*

Date 1-3-64

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.

28944

73121

DECLARATION OF VESTED GROUND-
WATER RIGHTS

LORENZO BAYS, ET UX

RECEIVED
POWELL COUNTY, MONTANA

January 6th, 1964
at _____ minutes past 9:15 o'clock
A. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$2.00 Paid

Form No. 18
8-60

T. 15N R. 12W
County Powell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

Owner Tom Barbour Address Orando, Montana
Driller Glenn Camp 705 Alder Address Wissonla, Montana
Date Started April 24, 1961 Date Completed April 27, 1961
Location: Sec. 28 T. _____ R. _____ $\frac{1}{4}$ sec. _____

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other _____

Casing: 1' above G. ft. to 85' ft. Type _____ Size _____

Casing: 1' ft. to 27'-10" ft. Type Seamless Size 6" I.D. 47 lb.

Casing: 21'-10" ft. to 85' ft. Type Seamless Size 5" I.D. 14 lbs

Perforated or Screened: Ft. 42' to ft. 52' Ft. 74' to ft. 79'

Type of screen or perforations Burnt

Static Water level, for non-flowing well: 4' from top of casing feet.

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

Pumping water level 44' feet at 7 gal. per min.

How tested: Bailer

Length of test 3 hours

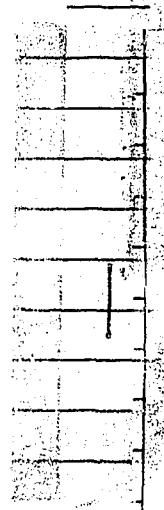
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

6" I.D. casing goes to 27'-10". 5" casing goes to 85' and laps up in 6" casing 6'

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	13'	loose sand & gravel
13'	18'	heaving sand & gravel
18'	20'	purple clay & gravel
20'	23'	grey clay & gravel
23'	37'	tight grey clay & gravel
37'	49'	brown clay & gravel water at 45'
49'	63'	grey clay & gravel tight
63'	85'	grey shale a little water



WATER WELL LOG
TOM BARBOUR

RECEIVED
POWELL COUNTY, MONTANA

August 18th, 19 61
at _____ minutes past 1:35 o'clock
P.M.
Daniel B. Hertz, Jr.
Clerk and Recorder
By _____ Deputy
Fee \$ NC _____

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 Rosella Stromberg

Address Ovando, Mont.

Date well started June, 1939

completed June, 1939

Type of well Dug

Equipment used Hand & Shovel

Water Use: Domestic Municipal Stock Irrigation

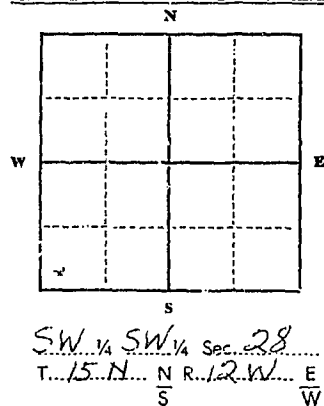
Industrial Drainage Other * Garden/Lawn

*Describe 1 home, livestock - 4, lawn & garden

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). Lot 5, Block N., S.D. #11

ESTIMATED ANNUAL WITHDRAWAL 35,000 gal. plus in over

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>Dug 5 feet diameter</u>	<u>4' I.D. 8' Deep 1200 lb.</u>	<u>ground level</u>	<u>8 ft. deep</u>	<u>None</u>	<u>water through gravel layer at bottom of casing</u>	



Static water level ground level ft.*
Pumping water level 6 ft. 0 in. ft.*
at 6.0 gallons per minute,
measured 30 minutes after pumping began.
*Measured from ground level.
Well developed by _____
for _____ hours.
Power electric pump 3/4 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) Natural gravel packing, cement casing, pipe over flow.

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

Driller's Signature R. H. [Signature]

Driller's Address 4205 21st Ave
Missoula, Mont

LICENSE NO. 4

County Powell

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) 4100

From (Feet)	To (Feet)
	<u>Well dug by hand to a depth of 8 feet through top soil and into gravel at which point the water came in at a rate to stop further digging.</u>

8 ft. from Show exact depth of bottom ground level

50,821