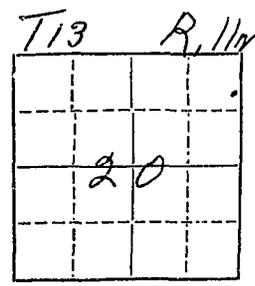


T. 13 R. 11 N.
County Powell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

RECEIVED
MAR 17 1961



Owner DOUBLE W RANCH
Address Helmville Montana
Driller Bob Hudson
Address Helmville Montana
Date Started Feb. 16 1961
Date Completed Mar. 15 1961
Location: Sec. 20 T. 13 R. 11 1/4 sec. S.E. 1/4 Sec. 20

STATE ENGINEER

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

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

Casing: 0 ft. to 68 ft. Type 19 lbs. per ft. Size 6 in.

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

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

Perforated or Screened: Ft. _____ to ft. 133 Ft. _____ to ft. _____

Type of screen or perforations none

Static Water level, for non-flowing well: 50 ft. feet.

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

Pumping water level: 68 ft. feet at _____ gal. per min. 16 per min.

How tested: Bailer

Length of test: 15 min.

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

T.13..... R. 11N.....

County..... Powell.....

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

RECEIVED
MAR 17 1961

STATE ENGINEER

T13 R 11N.

	21	

Owner..... DOUBLET W RANCH..... Address..... Helmsville Montana

Driller..... Bob Hudson..... Address..... Helmsville Mont.

Date Started..... Dec. 1 1960..... Date Completed..... Dec. 15 1960.....

Location: Sec. 21..... T. 13..... R. 11N..... 1/4 sec. S.W. 1/4 Sec. 21.....

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

Water use: Domestic #..... Municipal Stock #..... Irrigation
Industrial Drainage Other:.....

Casing:..... 0..... ft. to..... 86..... ft. Type..... 19 lbs. Size..... 6 in.

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

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

Perforated or Screened: Ft..... to ft..... 102..... Ft..... to ft.....

Type of screen or perforations..... none.....

Static Water level, for non-flowing well:..... 88 ft..... feet.

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

Pumping water level..... 90..... feet at..... gal. per min..... 64.....

How tested:..... Bailor.....

Length of test..... 15 min.....

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

.....
.....
.....
.....

(over)

File No.

T. 13 R. 11

DUPLICATE

County Powell

STATE OF MONTANA
ADMINISTRATIVE OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

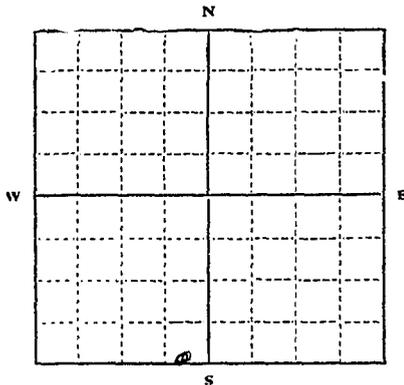
RECEIVED
APR 3 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Larry Bros. Inc., of Helmsville Mont.
(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:



S. W 1/4 Sec. 22 T. 13 R. 11

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 use + Stock Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Jan 1957
Continuous use.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 Gal. Per Min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
NONE
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Electric Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Started and Completed Jan 1957
8. The depth of water table. 50 FT. estm.
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. 52' drilled well 6" diameter pipe
10. The estimated amount of groundwater withdrawn each year. 50,000 gal
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. NONE

Signature of Owner Larry Bros. Inc.
Date Mar 1, 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.

73617

DECLARATION OF VESTED GROUND-
WATER RIGHTS

GEARY BROS. INC.

RECEIVED
POWELL COUNTY, MONTANA

April 1st, 19 64
at _____ minutes past 9:29 o'clock
A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$2.00 Paid

County Powell

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 Bob Sackman

Address Helmville,

Montana

Date well started 9-7-72

completed 9-11-72

For Administrator's Use	
File	<u>87693</u>
	<u>Feb. 1, 1973</u>
GW 1	<u>10:30 A.M.</u>

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

Equipment used Churn Drill
(Churn drill, rotary or other)

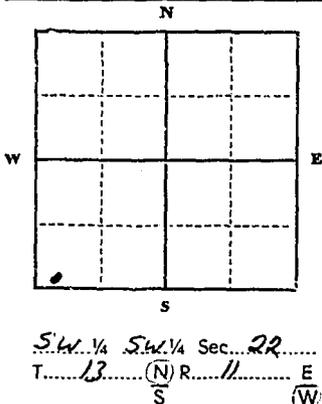
Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other * Garden/Lawn

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" od x .250	1'4"	72'	cutting torch	66'	71'



Static water level artesian ft.*
Pumping water levelft.*
at 15 gallons per minute,
measuredminutes after pumping
began.
*Measured from ground level.
Well developed by bailing
for 2 hours.
Power..... Pump..... HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

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

Driller's Signature O'Keefe Contracting Company

Driller's Address 2804 Harvard Ave.

Butte, Montana 59701 LICENSE NO. 9

DRILLER'S LOG

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

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
0'	3/2'	top soil
2'	19'	sand & gravel -water @5'
19'	34'	red clay
34'	48'	tan clay
48'	65'	heaving dirt sand, water
65'	70'	black clay
70'	65'	black shale & sand water

75' Show exact depth of bottom

52,334

87693

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

BOB SACKMAN

RECEIVED
POWELL COUNTY, MONTANA

FEBRUARY 1st 19 73

at _____ minutes past 10:30 o'clock

A. M.

Bonnie J. Miller

Clerk and Recorder

By _____

E.P.
Asst. Deputy

Fee \$ 2.00

T. 13 North R. 11 West

County Powell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED
NOV 17 1960

WATER WELL LOG

STATE ENGINEER

Owner Kenneth S. Caughlin Address Helmville Mont.

Driller Bob Hudson Address "

Date Started Oct 15 - 1960 Date Completed Oct 17 - 1960

Location: Sec. 23 T. 13 N. R. 11 W. 1/4 sec. N 1/2 of SW 1/4

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

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

Casing: Top ft. to 52 ft. Type Black Iron Size 6 1/4 ID.

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

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

Perforated or Screened: Ft. none to ft. _____ Ft. _____ to ft. _____

Type of screen or perforations none

Static Water level, for non-flowing well: _____ ft.

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

Pumping water level: Top feet at 45 gal. per min.

How tested: see remarks

Length of test: _____

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

This well is in the town of Helmville and will be used for domestic purposes. It couldn't be pumped down with any available equipment, but only flows about a 1/2 in garden hose, used as a siphon. It is now cased.

(over)

File No.

T. 13 R. 11

DUPLICATE

County Powell

STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

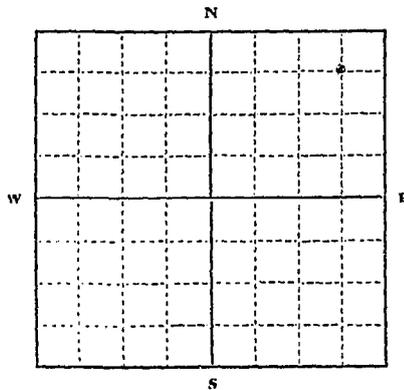
RECEIVED
 APR 3 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Geary Bros Inc., of Helmsville
(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:



N.E. 1/4 Sec 23 T. 13 R. 11
 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 use and stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1906 continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 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 None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1906
8. The depth of water table 12 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 16 ft dug well
10. The estimated amount of groundwater withdrawn each year 40,000 Gals
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 None

Signature of Owner Geary Bros Inc
 Date Mar 1, 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.

73615

DECLARATION OF VESTED GROUND-
WATER RIGHTS

GEARY BROS. INC.

RECEIVED
POWELL COUNTY, MONTANA

April 1st, 19 64
at _____ minutes past 9:27 o'clock
_____ A. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ 2.00 Paid

83833

11:00

RECEIVED
POWELL COUNTY, MONTANA

October 21 1970

at _____ minutes past 11:00 o'clock

A. M.

Elfa McDonough
Clerk and Recorder

By _____ Deputy

Fee \$ _____

File No.

T. 13 R. 11

DUPLICATE

County Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

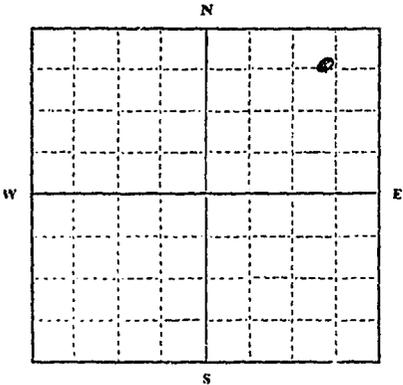
RECEIVED
APR 3 1964

Declaration of Vested Groundwater Rights

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

1. Geary Bros. Inc. of Helena
(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:



N.E. Sec 23 T. 13 R. 11

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 use + Stock Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
4 Wells
1872 1880 1895 1900

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 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.
None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
1872 1880 1895 1900
All wells on same ranch site.

8. The depth of water table. 12 to 15 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.
All 4 dug wells
16 to 20 ft deep.

10. The estimated amount of groundwater withdrawn each year. 100,000 Gal. estm.

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. None

Signature of Owner Geary Bros. Inc. w. k.
Date Mar. 1 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.

73616

DECLARATION OF VESTED GROUND-
WATER RIGHTS

GEARY BROS. INC.

RECEIVED
POWELL COUNTY, MONTANA

April 1st, 1964
at _____ minutes past 9:28 o'clock
A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ 2.00 Paid

File No.

T. 13 N. R. 11 W

DUPLICATE

County Powell

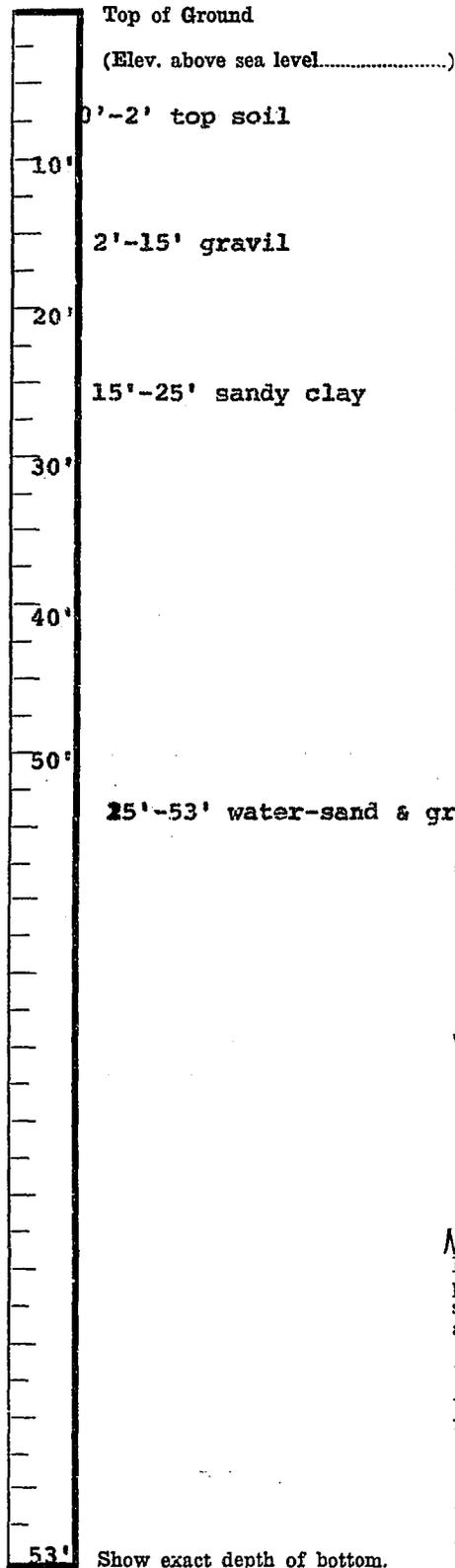
LOG

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, 1968

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



Owner Powell County Shop Address Helmsville

Driller O Keefe Drilling Co. Address Butte, Montana

Date of Notice of appropriation of groundwater August 26, 1968

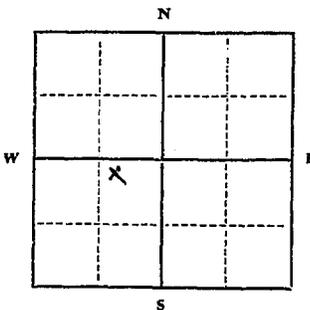
Date well started August 19, 1968 Date completed August 20, 1968

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" 17.02#	0'	53'	cutting torch	47'	51'



Static Water Level for non-flowing wellfeet.

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

Pumping Water Level.....3'.....feet
at.....gal. per minute.

Discharge in gal. per min. of flowing well
.....30.....

How Tested...test pump.....

Length of Test.....two hours.....

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

.....developed with air compress-
.....or four hours.....

NE 1/4 Sec. 23 T. 13 N. R. 11 W
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).

County Shop

EIGHT

Driller's License Number

Driller's Signature

44,563

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.

80849

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

POWELL COUNTY SHOP
(Helmsville)

RECEIVED
POWELL COUNTY, MONTANA

September 11th 1968

at _____ minutes past 9:00 o'clock

A. M.

Elfa McDonough
Clerk and Recorder

By _____ Deputy

Fee \$ _____

RECEIVED
OCT 17 1960

33 W/S of main st.

T. 13 N R. 11 W
County POWELL

STATE ENGINEER MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner FRANCES PATTY Address HELMVILLE, MONT.
Driller B.B. HUDSON Address SWAN LAKE, MONT.
Date Started OCT. 16, 1957 Date Completed OCT. 17, 1957
Location: Sec. 23 T. 13 N R. 11 W 1/4 sec.

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

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

Casing: 0 ft. to 3.9 ft. Type galvanized Size 1 1/2 - 6 1/4 INCHES
Casing: _____ ft. to _____ ft. Type _____ Size _____
Casing: _____ ft. to _____ ft. Type _____ Size _____

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

Type of screen or perforations _____

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

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

Pumping water level: 18 feet at 25 gal. per min.

How tested: Bailers

Length of test: 1.4

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
expand type shut-off four feet under ground level.



(over)

File No.

MONTANA WATER RESOURCES BOARD

T. 13N R. 11W

DUPLICATE

County Powell

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level Approx. 4290!)

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Formations Log:

- 0 - 4 Gravel fill.
- 4 - 6 Top soil.
- 6 - 11 Sand & coarse gravel.
- 11 - 31 Red shale clay & gravel.
- 31 - 46 Light tan clay.
- 46 - 57 Soft green clay & shale.
- 57 - 60 Green shale. Water.

Owner Helmvile Store Address Helmvile, Montana

Driller Liberty Drilling Co. Address Missoula, Montana

Date of Notice of appropriation of groundwater None filed

Date well started 9/11/67 Date completed 9/12/67

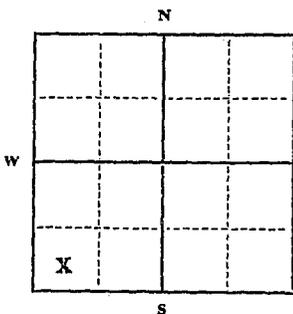
Type of well Drilled Equipment used Cable Tools
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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.

Water rises in the well
14 feet from surface.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8" OD x 3/4"	+18	60'	NONE		



Static Water Level for non-flowing well 14 feet.

Shut-in Pressure for Flowing Well Non-f.

Pumping Water Level 42 feet at 50 gal. per minute.

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

How Tested Air Lift Pump

Length of Test 1 1/2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through the open bottom of six inch casing. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates less than 25 to (Continue on reverse side)

SW 1/4 Sec. 23 T. 13R. 11

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

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.

Bottom of hole 60'

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 F. Osborne
Driller's Signature.

42,465

79542

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

JAMES W. COUGHLIN et. ux

RECEIVED
POWELL COUNTY, MONTANA

November 2nd 19 67

at _____ minutes past 3:00 o'clock

P. M.

Elfa McDonough

Clerk and Recorder

By _____

Deputy

Fee \$ 2.00pd

50 percent of the tested capacity of the aquifer.

CV

DR

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

JAN 16 1964

T. 132 R. 112 Sec. 23

DUPLICATE

County Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DR

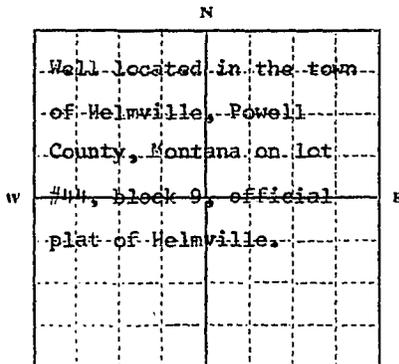
JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. E. C. Ellsworth, of Helmsville, Powell County, Montana
(Name of Appropriator) (Address) (Town)

County of _____ State of _____
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. Domestic use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 8-28-58 continuous domestic use
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 100 gallons per minute
- 5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Not applicable
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump located in residence

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Well was commenced 8-27-58 and completed 8-28-58.

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. Drilled well 45 feet deep - 6 inch casing.

10. The estimated amount of groundwater withdrawn each year. 100,000 gallons

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. Other information not available.

Signature of Owner *E. C. Ellsworth*

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.

33226

73055

DECLARATION OF VESTED GROUND-
WATER RIGHTS

E. C. Ellsworth

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 19 63
at _____ minutes past 4:48 o'clock
P. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ 2.00 Paid

File No.

DUPLICATE

County Blaine

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)

Eva

Owner Mrs Tom McCormick Address Holaville, Mont

Driller Glenn Camp 705 Alder Address Missoula, Mont

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

Date well started 7/26/62 Date Completed 8/7/62

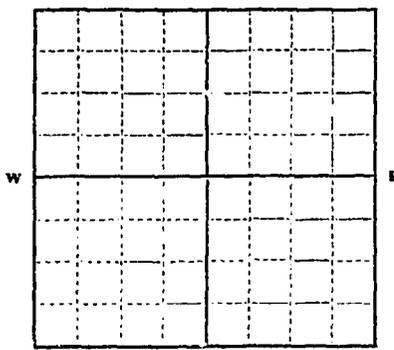
Type of well Drilled Equipment Used Churn drill
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

Top of Ground
(Elev. above sea level.....)
0 to 1' Top soil
1' to 9' Clay
9' to 14' Clay, gravel
some water
14' to 20' Clay & gravel
20' to 79' Red clay
79' to 83' Sand, some
gravel & water
83' to 94' Sand, silt
& clay
94' to 110' Yellow clay
110' to 111' Gravel with
clay, water about 2 G.P.M.
111' to 118' Yellow clay
& gravel
118' to 122' Sand & water
122' to 128' Yellow clay
& gravel
128' to 130' Sand & water
130 to 144' Blue clay & sand
144' to 147' Soft blue clay
147' to 151' White shale
& bennite. N

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.

Site of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
118' to 122' Sand & water	6" I.D. Seamless 19 lbs to feet	G.L.	152'	none		
122' to 128' Yellow clay & gravel		G.L. to 15'				
128' to 130' Sand & water		8" casing with 6" set inside and cemented in.				
130 to 144' Blue clay & sand						
144' to 147' Soft blue clay						
147' to 151' White shale & bennite. N						



Sec. 22, T. 13, R. 14
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

151' to 155' Grey shale & water
Show exact depth of bottom.
155' to 160' Blue shale (no water)

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

Shut-in Pressure for Flowing Well 9 lbs

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

Discharge in gal. per min. of flowing well..... 30 G.P.M.

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

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

8" casing put in for 15' with 6" set inside and cemented in.

License # 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 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.

70798

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

MR. EVA McCCRMIC

RECEIVED
POWELL COUNTY, MONTANA

August 22nd, 1962
at _____ minutes past 3:40 o'clock
P. M.
Daniel B. Heitz, Jr.
Clerk and Recorder
By _____ Deputy
Fee \$2.00



FRED E. BUCK, STATE ENGINEER
HANS L. BILLE, ASSISTANT
C. S. HEIDEL, DEPUTY STATE ENGINEER
A. D. McDERMOTT, ACCOUNTANT

STATE OF MONTANA

STATE ENGINEER

SAM W. MITCHELL BUILDING

HELENA, MONTANA

August 24, 1962

Mr. Daniel B. Hertz, Jr.
County Clerk and Recorder
Deer Lodge, Montana

Dear Mr. Hertz:

We are returning your No. 70798, which is the report of a well of Mrs. Eva McCormick, because the driller failed to give any indication of the location of the well. If the original has any location information, will you please copy it on the enclosed copy and return it to us?

Very truly yours,

FRED E. BUCK
STATE ENGINEER

By: C. S. Heidel
Deputy State Engineer

CSH:ba
Enc.

Duplicate copy is the same as the original on
record. NO LOCATION INDICATED.

Clk. & Recorder, Powell County, Montana

8/27/62

RECEIVED

STATE ENGINEER

GW 3

File No.....

DUPLICATE

T. 13N R. 11W 24
County. Powell

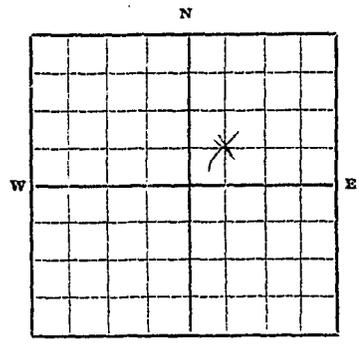
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 3 1964

Notice of Completion of Groundwater Appropriation ~~Without~~ Well ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Dec 29-63
Owner Neil Spitzer Address Helmville
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. These are flowing springs used for irrigation and stock water

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

SW 1/4 NE Sec 29 T13N R11W
Indicate point of appropriation and place of use, if possible.

50 inches during the growing period by flood irrigation of

Signature of Owner Neil Spitzer
Date Dec 29-63

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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

21017

72973

NOTICE OF COMPLETION OF GROUND-
WATER APPROPRIATION WITHOUT WELL

NEIL SPIEKER

RECEIVED
POWELL COUNTY, MONTANA

December 30th, 19 63
at _____ minutes past 3:07 o'clock
P. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ 2.00 Paid

File No.

T. 13^N R. 11^W

DUPLICATE

County Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 14 1964

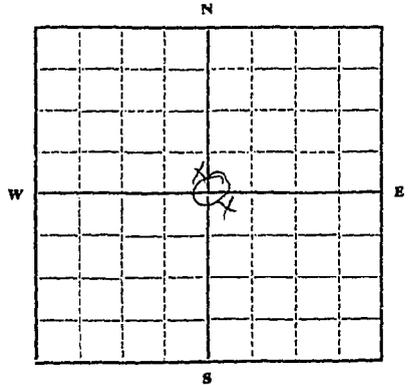
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Mrs. M. D. Mincey (w) Blankinsly of Helmsville Box 83
(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:



Center Sec 25 T. 13 R. 11

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
irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. irrigation
not available

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 2.5 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. Home garden flowers
garden & lawn use

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. information not available

8. The depth of water table. 40 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. These two aug wells
are about 50 ft deep

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. glacier formation

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. M. D. Mincey (w) Blankinsly
Date Dec 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.

73046

DECLARATION OF VESTED GROUNDWATER
RIGHTS

MRS. M. D. (MINCEY W.) BLANKINSHIP

**RECEIVED
POWELL COUNTY, MONTANA**

December 31st, 19 63
at _____ minutes past 4:39 o'clock
P. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$ 2.00 Paid

86910

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Mrs. M. D. Blankenship

RECEIVED
POWELL COUNTY, MONTANA

August 29th 19 72

at _____ minutes past 11:05 o'clock

A. M.

Bonnie J. Miller
Clerk and Recorder

By _____
Asst. Deputy

Fee \$ 2.00

84094

RECEIVED
POWELL COUNTY, MONTANA

December 23rd 1970
at _____ minutes past 10:20 o'clock

A. M.

Elfa McDonough
Clerk and Recorder

By _____ Deputy

Fee \$ _____

File No. _____

T. 13^N R. 11^W

DUPLICATE

County Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

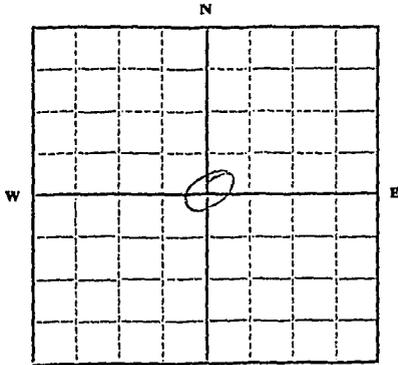
RECEIVED
JAN 14 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

Mincey W. (Under Chapter 237, Montana Session Laws, 1961)

Mrs. M. D. Blankenship, of Box 83, Helmsville
(Name of Appropriator) (Address) (Town)

County of Powell State of Montana 59943
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Center of Sec. 25 T. 13 R. 11

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 & Livestock
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1951 to present
to date, Dec. 31-1963. water supply
to 3 head of horses, 2 bank horses, and
two barns besides Corralist
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 2 1/2 gallons a minute have
been measured. Cannot be pumped
on
- 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
Name: vegetable gardens, flower
gardens & lawns
- 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. October 1951 finished Nov. 1951
- 8. The depth of water table. 40 FT
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
glacier formation - sandy gravel
and clay 6 inch hole, 2 1/2 ft deep
Opening to bottom of well
- 10. The estimated amount of groundwater withdrawn each year. 209 000
- 11. The log of formations encountered in the drilling of each well if available. Glacier
formation, gravel sand and clay

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. Well was drilled
by Russel Mowbray Mincey
Signature of Owner Mrs. M. D. Blankenship
Date Dec 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.

32189

73044

DECLARATION OF VESTED GROUNDWATER
RIGHTS

MRS. M. D. (MINCEY W.) BLANKINSHIP

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 19 63
at _____ minutes past 4:37 o'clock
P. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____ Deputy

Fee \$2.00 Paid

File No.

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

DUPLICATE

County.....**Powell**.....

LOG

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

MONTANA WATER RESOURCES BOARD
RECEIVED

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

SEP 30 1968 Owner Mrs. Heller Address Helmville

Driller O. Keefe Drilling Co. Address Butte, Montana

Date of Notice of appropriation of groundwater.....August 26, 1968

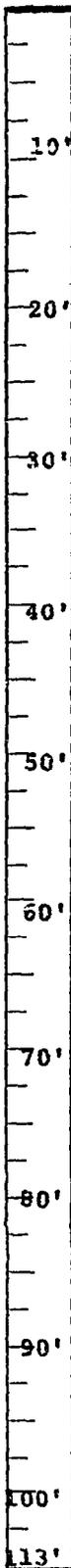
July 18, 1968

Date well started.....August.....Date completed.....August, 17, 1968

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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



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

0'-1' top soil

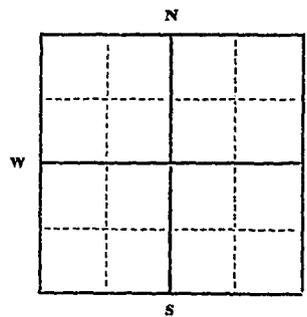
1'-32' gravel-surface
water @ 25'

32-80' clay

80'-100' water, sand-heaving
100'-110' " " "
110'-113' water sand

Show exact depth of bottom.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8 " 17.02 lb	0'	113'	cutting torch	109'	112'



Static Water Level for non-flowing well12'.....feet.

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

Pumping Water Level.....28'.....feet
at.....20.....gal. per minute.

Discharge in gal. per min. of flowing well

How Tested.....compressor & test pump

Length of Test.....3 hrs.....&.....3 hrs

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

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

.....(Continue on reverse side)

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

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

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

.....**EIGHT**.....
Driller's License Number

.....Edward O. Keefe.....
Driller's Signature.

44,612

80876

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

MARGUERITE T. HELLER

RECEIVED
POWELL COUNTY, MONTANA

September 17th 19 68

at _____ minutes past 10:15 o'clock

A. M.

Elfa McDonough
Clerk and Recorder

By _____ Deputy

Fee \$ _____

T. 13 N. R. 11W
County Powell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Ernest Stout Address Melaville, Mont.
Box 47
Driller A. Russell Howbray Address 204 Burlington Ave.
Missoula, Mont.
Date Started Sometime in October, 1958 Date Completed
Location: Sec. T. 13 N. R. 11W. 1/4 sec.

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

Water use: Domestic Municipal Stock Irrigation
Industrial Drainage Other:

Casing: 0 ft. to 54 ft. Type 15 lbs/ft. Size 6-in. Dia.
Casing: ft. to ft. Type Size
Casing: ft. to ft. Type Size

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

Type of screen or perforations:

Static Water level, for non-flowing well: 6 feet below collar of well feet.

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

Pumping water level: feet at gal. per min.

How tested:

Length of test:

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

(over)

File No.

DUPLICATE

T. 13 R. 10
County. Missoula

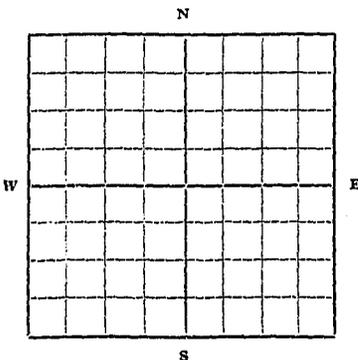
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 26 1963

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

STATE ENGINEER

1. Julius Bourse or Mabel Bourse, of Missoula, 2005 River Road
(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:



NE 1/4 12 Sec. 20 T. 13 R. 10

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
laundry fire protection
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1944 to 1963
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gal. per minute
- 5. If for irrigation, give the acreage and description of the land which water has been applied and name of the owner
the N.E. 1/2 Sec. 20 Twp. 13 R. 10
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
1 three power electric pump

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1944
- 8. The depth of water table Don't know
- 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
4.4 feet deep 6" casing
- 10. The estimated amount of groundwater withdrawn each year Not available
- 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.
Don't know

Signature of Owner Julius Bourse
Date Dec 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.

524

214775

I received and filed this instrument for
record on the 23 day of Dec, 1923
at 4:20 o'clock P.M., permanent files
of Missoula County, State of Montana
Witness my hand:
MARTIN S. BEBNER, County Recorder
By Ethel Lane Deputy
Fee \$ 2.25 Paid

MISSOULA COUNTY RECORDS
RECORDED
DEC 23 1923
MISSOULA, MONTANA

24

File No.

T. 13. N. R. 10. W.

DUPLICATE

County POWELL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RE
JAN 16 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater DEC 26, 1963

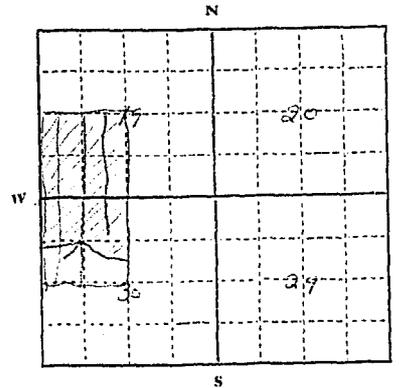
Owner COCHRAN RANCH Address HELMVILLE

Contractor (if any) SELF

Address of Contractor

Date Started NOT KNOWN Date Completed JUNE 63

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. SUB IRRIGATION AND FLOOD IRRIGATION FROM DRAIN DITCHES WATER LEVEL ABOUT 24"



1/4 Sec 20 T. 13. N. R. 10. W.

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

HAY MEADOW DITCHES

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 ABOUT

800 MINERS INCHES DEVELOPED

AND USED FOR IRRIGATION MAY 30 - JULY 10

ABOUT 30 MI AVAILABLE FOR

STOCK WATER YEAR ROUND

Signature of Owner Cochran Ranch Joseph E. Cochran Selma Cochran

Date Dec 26 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.

73202

NOTICE OF COMPLETION OF GROUND-
WATER APPROPRIATION WITHOUT WELL

COCHRAN RANCH
(Joseph E. Cochran, Selma Cochran,
David T. Cochran)

RECEIVED
POWELL COUNTY, MONTANA
January 15th, 19 64
at _____ minutes past 9:35 o'clock
A.M.
Daniel B. Hertz, Jr.
Clerk and Recorder
By _____ Deputy
Fee \$ 2.00 Paid

30

File No.

T. 13 N. R. 10 W.

DUPLICATE

County POWELL

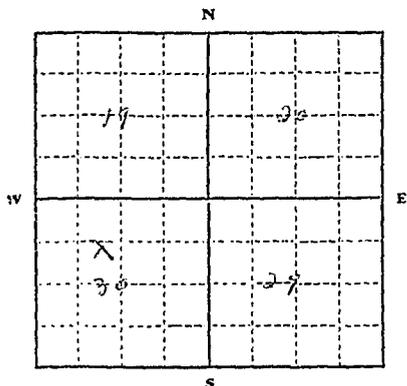
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. COCHRAN RANCH, of Box 79 HELMVILLE
(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. 30 T. 13 N. R. 10 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. HOUSE HOLD AND LIVESTOCK
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been. ABOUT 1870 CONTINUOUS
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute). 50 MI. (EST)
- 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. 1/2 ACRES IRRIG OF YARD AND GARDEN
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. ELEC PUMP NEAR HOUSE

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. NOT KNOWN
- 8. The depth of water table. 10 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. APPROX 15' DEEP DUG WELL ROCK CAPPING
- 10. The estimated amount of groundwater withdrawn each year. 50 MI
- 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. RANCH STARTED BY COCHRAN AFTER TRANSFERRED TO TROPHY SOLD TO COCHRAN 1957

Signature of Owner Joseph Cochran
Helma Cochran
Date Dec 26, 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.

33241

73201

DECLARATION OF VESTED GROUND-
WATER RIGHTS

COCHRAN RANCH
(Joseph E. Cochran, Selma
Cochran, David T. Cochran)

RECEIVED
POWELL COUNTY, MONTANA

January 15th, 19 64
at _____ minutes past 9:30 o'clock
A. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____
Deputy

Fee \$2.00 Paid

GW

Approved Stock Form—State Publishing Co., Helena, Montana—38687

File No.....

T. 13^N R. 10^W

DUPLICATE

County Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

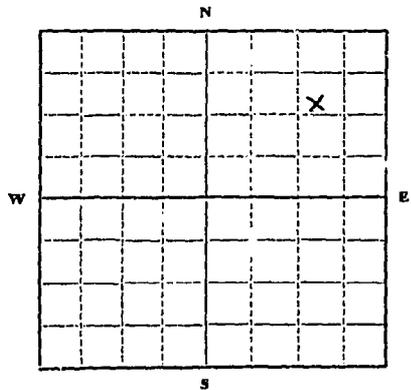
RECEIVED
SEP 5 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. C.M.N. Mannix Ranch, of Helmville
(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:



NE 1/4 NE 1/4 Sec 31 T. 13 N R. 10 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..... Household Use
- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been..... 1959
- 4. The amount of groundwater claimed (in miner's inches or gallons per minute)..... 6 gallons
- 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
- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal..... Pump & Well site

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater..... 1959
- 8. The depth of water table..... 15'
- 9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater..... Drilled 6" casing 79' deep
- 10. The estimated amount of groundwater withdrawn each year..... 36,700 gal
- 11. The log of formations encountered in the drilling of each well if available..... Clay
- 12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

C.M.N. Mannix Ranch
Signature of Owner Bert Mannix
Date March 18, 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.

5683

72322

DECLARATION OF VESTED GROUND-
WATER RIGHTS

C. N. MANNIX RANCH

RECEIVED
POWELL COUNTY, MONTANA

August 28th, 1963

at _____ minutes past 2:30 o'clock

P. M.

Daniel B. Hertz, Jr.

Clerk and Recorder

By _____ Deputy

Fee \$2.00 Paid

File No.....

T. 13th R. 10th

DUPLICATE

County Powell

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
SEP 5 1963

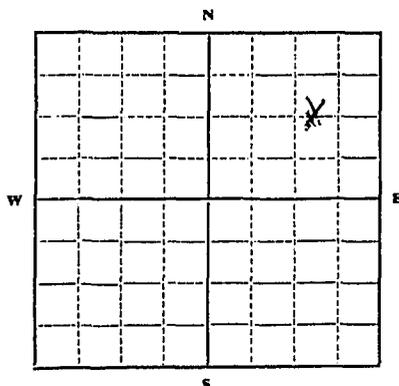
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. C. N. Mannix Ranch, of Helmville, Mont.
(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:



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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Was a hand dug well before 1900. Caved in + was drilled in 1940.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 gallons

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

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

Jet Pump - NE Well site

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

8. The depth of water table. 15'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Drilled 35' deep 6" well casing

10. The estimated amount of groundwater withdrawn each year. 36,500 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.

C. N. Mannix Ranch
Signature of Owner Bert Mannix
Date March 14, 1963

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

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

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

72323

DECLARATION OF VESTED GROUND-
WATER RIGHTS

C. N. MANNIX RANCH

RECEIVED
POWELL COUNTY, MONTANA

August 28th, 19 63
at _____ minutes past 2:35 o'clock
P. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By _____
Deputy

Fee \$ 2.00 Paid

May 9, 1972

In reply refer to: Engineering Bureau

Mr. Thomas R. Midtlyng
P. O. Box 80
Helmville, Montana 59843

Dear Mr. Midtlyng:

This is in reference to the enclosed GW-4 form, Declaration of Vested Groundwater Rights, that you filed on April 14, 1972, at Deer Lodge, Montana.

The Declaration of Vested Groundwater Rights form was intended for appropriators to file on vested groundwater rights for a certain period of time only. That period was from January 1, 1962 to January 1, 1966. Therefore, after January 1, 1966, according to the Groundwater Code, the GW-4 form was invalid and could not legally be used as an appropriation form.

The proper form to use for wells filed on or after January 1, 1966 is the Notice of Completion of Groundwater Appropriation By Means of Well, GW-2. One set of the GW-2 form is enclosed for your own use. Please complete all blanks as accurately as possible and attach any available proof that the date of first beneficial use did actually date back to 1955 as indicated on the enclosed GW-4 form. It would be to your advantage to file and attach additional proof, if available, in case there is a dispute over the groundwater in your area.

Also enclosed is a copy of the pamphlet, Appropriation and Regulation of Ground Water. The first three and one-half pages of the pamphlet should be of most interest to you. Underlined in red are specific items related to your particular case.

If we can be of further assistance, please feel free to contact us at any time.

Sincerely,

FOR: Orrin Ferris, P. E.
Chief, Engineering Bureau
WATER RESOURCES DIVISION

OF/RB/RG/lk

Enclosures (3)

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. 2 Clerk Records

Doc. No. 85264
Filed for record
this 14th day of April
A. D. 19 72, at 10:30
o'clock A.M.

Signature of Owner

Thomas R. Midtlyng
Date April 13, 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.

50,224

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

File No.

T. 13N R. 10W

DUPLICATE

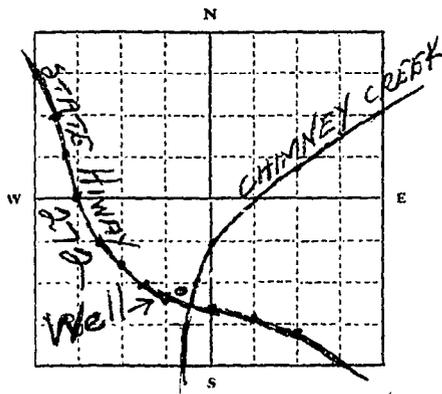
County POWELL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Thomas R. MIDTLING, of PO Box 50 HELMVILLE
(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 32 T13N R10W

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, ORCHARD, YARD, GARDEN & LIVESTOCK
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Used year-around
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 MINERS INCHES OR 4000 G.P. HOUR
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 2 1/2 acres
Owner - Thomas R. MIDTLING
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. PUMP - That part of the SE Quarter of the SW Quarter of SEC. 32 lying NORTH of STATE HWY 272.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. FIRST DRILLED IN 1955. NEW PUMP and PITLESS ADAPTER INSTALLED IN 1964.
8. The depth of water table. 12 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 6 INCH CASING - DEPTH 45 feet.
10. The estimated amount of groundwater withdrawn each year. 6,000,000 gallons
11. The log of formations encountered in the drilling of each well if available. log not available. Maximum water level 12 feet. Depth of Well 45 feet.
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 other records

Doc. No. 85867
Filed for record
this 17th day of April
A. D. 1972, at 10:30
o'clock A.M.

Signature of Owner Thomas R. Midtling
Date April 13, 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.

50,224

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.

86264

DECLARATION OF VESTED
GROUNDWATER RIGHTS

Thomas R. Midtlyng

RECEIVED
POWELL COUNTY, MONTANA
April 14th 19 72
at _____ minutes past 10:30 o'clock
A. M.
Bonnie J. Miller
Clerk and Recorder
By *AS*
Deputy
Fee \$ 2.00+

File No.

T. 12 N. R. 13 W.

DUPLICATE

County. POWELL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

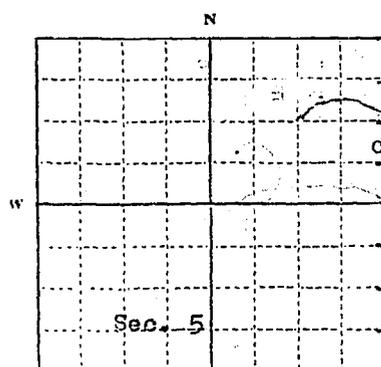
Date of Appropriation of Groundwater... 31st May 1970

Owner James D. Hollowell Address Drummond, Montana

Contractor (if any).....

Address of Contractor

Date Started 31st May 1970 Date Completed 11 August 1970



1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.)... Developed spring and pond for intake, to a one inch plastic pipe to run ~~and~~ 2,000 ft to cabin and placer pit

Use Hilda - Pat. No. 2764

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

Gravity

3) Depth of water table... 2 to 4 ft.

SW¹/₄ of NW¹/₄ Sec. 4 T. 12 R. 13 W. Use of the water... domestic and washing gold bearing gravel

NE¹/₄ of NE¹/₄ Sec. 5 T. 12 N. R. 13 W.
Indicate point of appropriation and place of use, if possible.

5) Amount of groundwater claimed (in miner's inches, or gallons per minute)... 8 gal. per minute

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

7) Estimate amount of water used each year... 3,000,000 Gals.

Signature of Owner

James D. Hollowell
Date August 11, 1970

Doc. No. 93514
Filed for record
this 13 day of August
A. D. 1970, at 10:05
o'clock P.M.

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.

47365

83514

RECEIVED
POWELL COUNTY, MONTANA

August 13th 19 70

at _____ minutes past 10:05 o'clock

A. M.

Elfa McDonough

Clerk and Recorder

By _____

Deputy

Fee \$ _____