

File No. ....

T. 10N R. 13W

DUPLICATE

MONTANA WATER RESOURCES

**RECEIVED**County Granite

LOG

MAR 11 1968

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 4425')

Formations Log:

- 0 - 5 Well pit.
- 5 - 21 Dug well.
- 21 - 31 Coarse tightly packed gravel and sand.
- 31 - 69 Tan sandy clay.
- 69 - 83 Silty sand mixed in tan clay.
- 83 - 94 Broken green clayey shale.
- 94 - 105 Broken tan-green shale. Water.

Water rises in the well  
12'6" from surface.

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

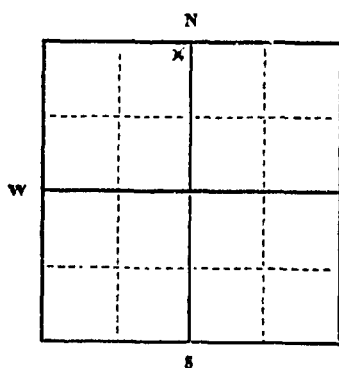
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Annabelle Morse Address Hall, MontanaDriller Liberty Drilling Co. Address Missoula, MontanaDate of Notice of appropriation of groundwater None filedDate well started 12/5/67 Date completed 12/8/67Type of well Drilled Equipment used Cable Tools  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☒  
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6 5/8 x 1/4 inch	-5	92'5"	Shop Made 5 9/16 inch OD Screen	92'5"	105

Static Water Level for non-flowing well  
12'6" feet.Shut-in Pressure for Flowing Well Non-fPumping Water Level 36' feet  
at 20 gal. per minute.Discharge in gal. per min. of flowing well  
Non flowing.How Tested Air Lift PumpLength of Test Two hoursRemarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through slots in screen. Wells in this area can be depended upon to produce clear sand1/4 Sec. 35 T. 10N R. 13W  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.free water year after year as long as they are not overpumped, i.e., they should be pumped at rates less than 25 to 50 percent (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). Commencing at a point on the North Section line of Sec 35, Twp 10N, Rng 13W where the West right of way line of the NPR crosses said section line and running thence West 526.94 ft. to the point of beginning. Thence South 209 ft., thence West 69 ft., thence North 209 ft., thence East 64 ft. to the place of beginning. 52

Show exact depth of bottom.

Bottom of hole 105'

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

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

Driller's License Number

William S. Dahme  
Driller's Signature.

43.89.5

INDEXED

83372

FILED FOR RECORD

March 7, 1968

at 10 minutes past 2:00 P.M.

Signed W. McDaniel  
County Recorder

By Chas. S. Dyer  
Deputy

of the tested capacity of the aquifer.

File No. ....

T. 10 R. 23

DUPLICATE

County .....

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

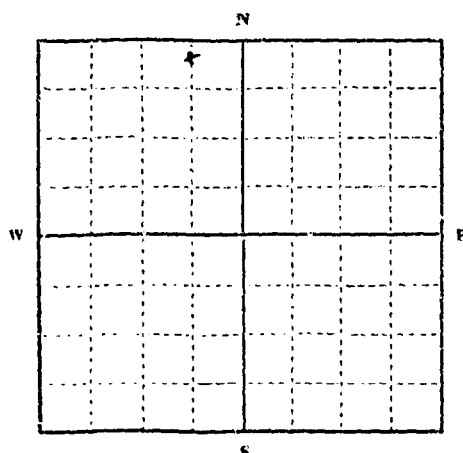
RECEIVED  
JAN 8 1964

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, Frank J. Piro, of Helena, Montana,  
(Name of Appropriator) (Address) (Town)  
County of Richmond State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 35 T. 10. R. 23

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.....
3. Date or approximate date of earliest beneficial use, and how continuous the use has been. first used in 1912 for  
ice every day since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 to 20 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.....
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.....  
1912
8. The depth of water table.....  
about 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.....  
this is a dug well, closed in with 12 inch concrete tile  
and then filled in with dirt
10. The estimated amount of groundwater withdrawn each year.....  
about 25,000 gallons
11. The log of formations encountered in the drilling of each well if available.....  
not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

Signature of Owner F. J. Piro

Date December 31st, 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.

24.00

776 51

FILED FOR RECORD

Dec 31, 1863

at 22 minutes past 2 o'clock

P.M.

Agnes M. McDonald

County Recorder

By

Deputy

GV.

Approved Stock Form—State Publishing Co., Helena, Montana—41358

File No. ....

T. 10 N. R. 12 E.

DUPLICATE

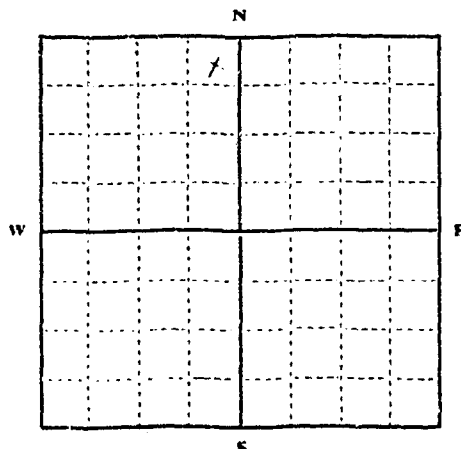
County Granite

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Jeannette Schultz of Hell, Montana (Name of Appropriator) (Address) (Town)  
County of Granite State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Part of

NW 1/4 Sec 35 TO R23

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

(On West Side of US 10A)  
(In Town)

2. The beneficial use on which the claim is based.....  
(Water for 2 Dwellings (drinking, bath, kitchen))

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been 1922 and continuous

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

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

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

Electric Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater 1922

8. The depth of water table 55 feet deep

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 35 feet deep and 2 feet in diameter

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

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

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

Subscribed and sworn to before me this  
5th day of December 1963

Notary Public for State of Montana

Residing at Drummond, Montana, My com. exp. 4/1/66

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

Signature of Owner

Date December 6, 1963

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.

10824

# 4435-8

FILED FOR RECORD

Dec 16 1963

minutes page 8 of 10

By Agnes J. McFarrell  
County Recorder

By Alfred M. McFarrell  
Deputy

File No. ....

T. 10 R. 13 36

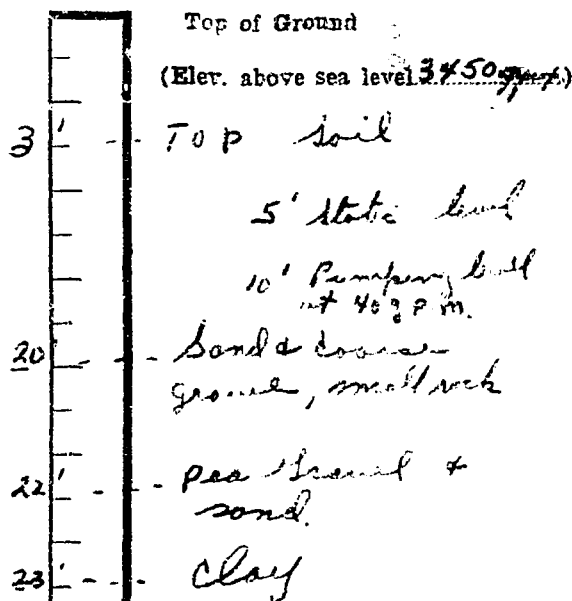
DUPLICATE

County Granite

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)

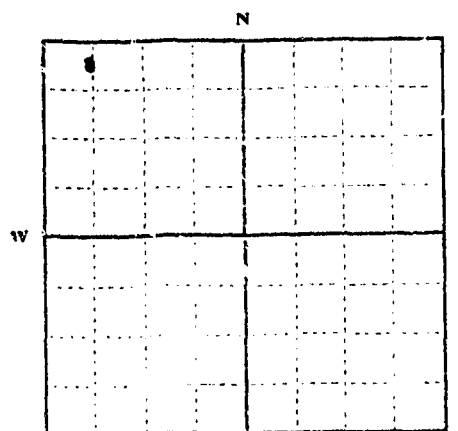
Owner George Ferrel Address Maxwell Mont.Driller C. F. Woble Address Maxwell R#1,  
Granite Mont.

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

Date well started April 18 1964 Date Completed April 18 1964Type of well Drilled Equipment Used Churn  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) 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)
8"	8" 21' 8" 24 lb.	surface	21' 8"	slate	20'	21'



Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

23 ft.Static Water Level for non-flowing Well 5 feet.

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

Pumping Water Level 10' feet at 47 gal. per minute.

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

How Tested Bailed Length of Test 1 hr.

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) .....

62  
Driller's License Number

C. F. Woble  
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.

# 41,837

81838

FILED FOR RECORD

April 20, 1967

at 16 minutes past 3:00 o'clock  
P. M.

Agnes M. McDonald  
County Recorder

By Maude Echols  
Deputy

Fee: \$2.00



File No.

T. 10 N. R. 13 W.

DUPLICATE

County Granite

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

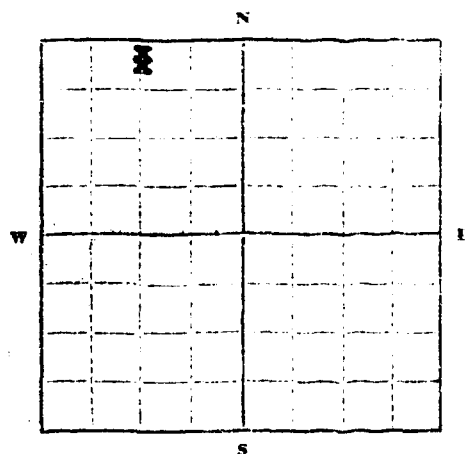
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
DEC 12 1963

STATE ENGINEER

1. RAYMOND HEADY & INA G. HEADY of HALL  
(Name of Appropriator) (Address)  
County of GRANITE State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec 36 T10 R13

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. 1948 HOUSEHOLD DAILY, IRRIGATION THROUGH SUMMER MONTHS.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). TWO HUNDRED 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.  
ONE ACRE, LAWN AND GARDEN.  
RAYMOND HEADY & INA G. HEADY
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
PUMP, NO. ONE WELL SOUTH WEST CORNER.  
PUMP, NO. TWO WELL NORTH WEST CORNER.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. NO. ONE WELL APPROX. 1928  
NO. TWO WELL COMMENCED JAN. 16, 1948 COMPLETED FEB. 10, 1948
8. The depth of water table. FROM NINE FT. TO TWENTY FT.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. NO ONE WELL DUG, TEN INCH. BY TWENTY FT. DEEP.  
NO TWO WELL DUG THREE FT. DIAM. BY TWENTY TWO FT. DEEP.
10. The estimated amount of groundwater withdrawn each year. 100,000 GAL.
11. The log of formations encountered in the drilling of each well if available.  
GRAVELS
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

Date

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.

7523

FILED FOR RECORD

Dec 10 1963

at 1. 1963

B.M.

Alma M. McDonald

Alma M. McDonald

Deputy

File No. ....

T. / R. / 36

DUPLICATE

County Granite

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground  
(Elev. above sea level 3450 *gpm*)

Notice of Completion of Groundwater  
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner Ernest Hunt Address Hall, Montana

8 ft. Static level

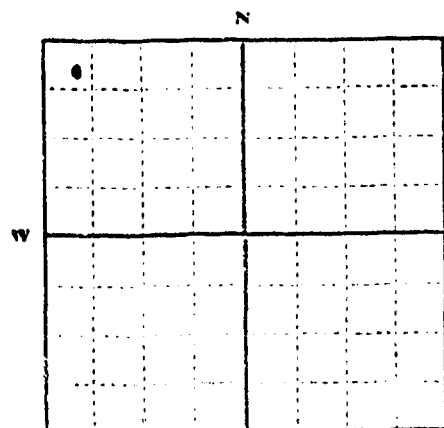
Driller C.F. Wroble Address Millcreek RFD# 1  
Anaconda Montana

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

Date well started April 6 1964 Date Completed April 7 196417 ft. pumping level  
at 30 gpm.Type of well Dug Equipment Used Churn drill  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) other)25 ft. Sand gravel and  
boulders.Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐  
Industrial ☒ Drainage ☐ Stock ☐27 ft. Sand gravel and clay.  
Brown in color.

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)
8"	8" 24 lb.	Surface	26'	Slots 3/16" 5"	24'	26'



NW 1/4 Sec. 36, T. 14 N., R. 12 E.  
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.  
27 ft.

Static Water Level for non-flowing Well 8' feet.

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

Pumping Water Level 17' feet at 30 gal. per minute.

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

How Tested Pumped Length of Test 1 hr.

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) .....

62

Driller's License Number

C.F. Wroble  
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.

41,889

81837

FILED FOR RECORD  
April 20, 1967  
at 14 minutes past 3:00 o'clock  
P.M.

Agnes M. McDonald  
County Recorder

By Maude Echols, Deputy

Fee: \$2.00

File No. ....

STATE WATER CONSERVATION BOARD

T. 14 N. R. 13 W. 36

DUPLICATE

APR 21 1967

County Granite

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Top of Ground  
 (Elev. above sea level 3450)

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

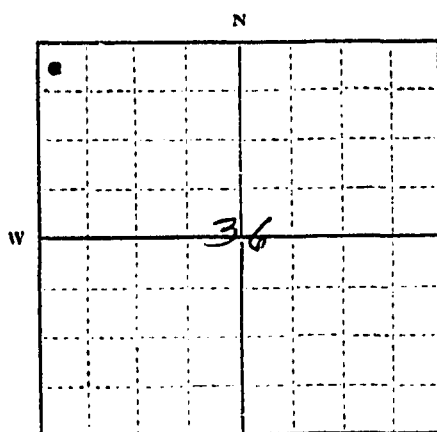
Owner Ernest Hunt Address Hall, MontanaDriller C.F. Wroble Address Millcreek RFD# 1  
Anaconda MontanaStatic level 15 ft. Date of Notice of Appropriation of Groundwater .....Pumping level 17 ft. Date well started April 7, 1964 Date Completed April 7, 1964  
at 25 gpm

17 ft. --- Hand dug open hole. Type of well Drilled Equipment Used Churn drill  
 (dug, driven, bored or (Churn, drill, rotary or  
 drilled) other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	8" 24 lb.	8 ft.	21 ft.	Slots 3/16" X 5"	19'	21'



NW 1/4 Sec 36 T10 R13  
 Indicate location of well and  
 place of use, if possible. Each  
 small square represents 10 acres.

Show exact depth of bottom.

21 ft.

Static Water Level for non-flowing Well 15 ft feet.

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

Pumping Water Level 17 ft. feet at 25 gal. per minute.

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

How Tested Pumped Length of Test 1 hr.

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

62

Driller's License Number

C.F. Wroble  
 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.

41,888

81836

FILED FOR RECORD

April 20, 1967  
at 12 minutes past 3:00 o'clock  
P. M.

Agnes M. McDonald  
County Recorder

By Maude Echoas, Deputy

fee: \$2.00

G

Approved Stock Form--State Publishing Co., Helena, Montana--39089

File No. ....

T. 10N. R. 13W.

DUPLICATE

County GRANITE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

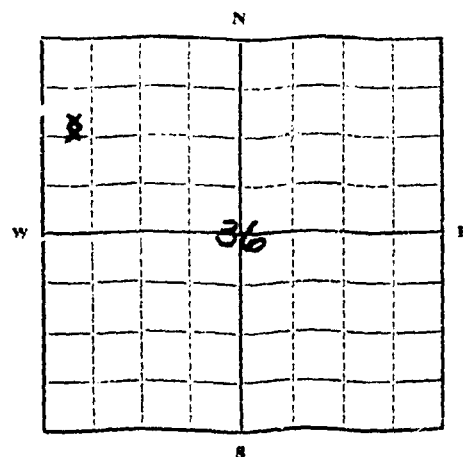
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
DEC 20 1963

STATE ENGINEER

1. KOLBECK RANCHES INC., of — HALL  
(Name of Appropriator) (Address) (Town)  
County of GRANITE State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 NW 1/4 Sec. 36, T. 10N. 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. HOUSEHOLD USE
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. NOT KNOWN
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 15 GALS. PER MINUTE  
BOTH WELLS
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. —
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. JET PUMPS
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. 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. 23 FT. AND 30 FT.  
OHG WELLS
10. The estimated amount of groundwater withdrawn each year. NORMAL HOUSEHOLD USE
11. The log of formations encountered in the drilling of each well if available. NOT AVAILABLE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Kolbeck Ranches Inc.  
By Graham S. Kolbeck  
Date Dec 17, 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.

10744

77382

FILED FOR RECORD

Dec 17, 1963

at 38 minutes past 3 o'clock

P.M.

Agnes M. McTearl  
County Recorder

By \_\_\_\_\_  
Deputy



File No. ....

T. 10N R. 13W

DUPLICATE

County GRANITE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 20 1963

STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

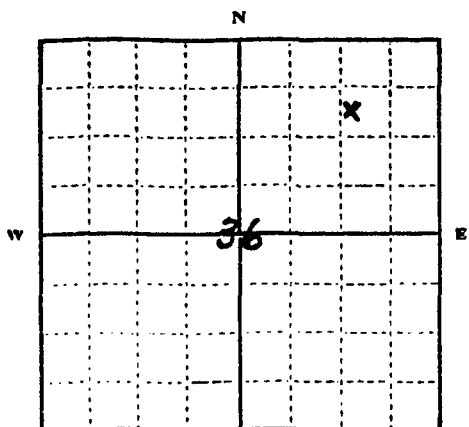
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater DEC. 17, 1963Owner KOLBECK RANCHES INC. HALL, MONT.Contractor (if any) NONE

Address of Contractor .....

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

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

NE 1/4 NE 1/4 Sec. 36 T. 10N R. 13W

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

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

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

YEAR AROUNDSignature of Owner Kolbeck Ranches Inc.

D. Arthur S. Kolbeck  
Date Dec. 17, 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.

77386

FILED FOR RECORD

*Dec 17, 1968*

*16* minutes past *3:00* o'clock

*Agnes M. McDonald*  
County Recorder

By \_\_\_\_\_ Deputy

County Shasta Twp. 15 Rge. 18 N

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
4	James H. Brown	2 N 4	---	
6	William H. Brown	2 N 4	77534	
6	William H. Brown	2 N 4	77553	
6	William H. Brown	2 N 3	87058	
6	William H. Brown	2 N 2	77523	
6	The United Methodist Church	2 N 2	81837	
6	James H. Brown	2 N 2	77532	
6	Westside State Highway	2 N 2	84900	
6	Westside State Highway	2 N 2	---	
6	William H. Brown	2 N 2	83804	
7	James H. Brown	2 N 3	77139	
7	Lacey, George H. Brown	2 N 4	77795	
7	Lacey, George H. Brown	2 N 4	77794	
7	Lacey, George H. Brown	2 N 4	77793	
9	Wm. Dingwall	2 N 4	77380	
14	James H. Brown	2 N 2	85804	
17	Wm. Dingwall	2 N 4	77372	
17	James H. Brown	2 N 4	77457	
17	Lacey, George H. Brown	2 N 2	80192	
17	William H. Brown	2 N 4	77740	
17	William H. Brown	2 N 4	77755	
18	James H. Brown	2 N 4	77455	
18	James H. Brown	2 N 4	77130	
18	James H. Brown	2 N 4	77548	
18	James H. Brown	2 N 2	87888	
18	Lacey, George H. Brown	2 N 2	77792	see Section 17
19	James H. Brown	2 N 3	77456	
21	Wm. Dingwall	2 N 4	77379	
21	Wm. Dingwall	2 N 3	77377	
24	James H. Brown	2 N 4	---	
24	James H. Brown	2 N 4	77523	
28	James H. Brown	2 N 4	77525	
28	James H. Brown	2 N 3	80134	
30	James H. Brown	2 N 2	87538	
30	James H. Brown	2 N 4	77524	
30	James H. Brown	2 N 4	77525	
30	James H. Brown	2 N 4	77526	
30	James H. Brown	2 N 4	77527	
31	James H. Brown	2 N 2	89351	
32	James H. Brown	2 N 3	77524	
33	James H. Brown	2 N 3	---	
35	Kalbeck, Henry	51 mill log.	1959	
7	Lacey, George H. Brown	G.W. 3	90072	
18	Lacey, George H. Brown	G.W. 3	---	

File No. ....

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

DUPLICATE

County. ....

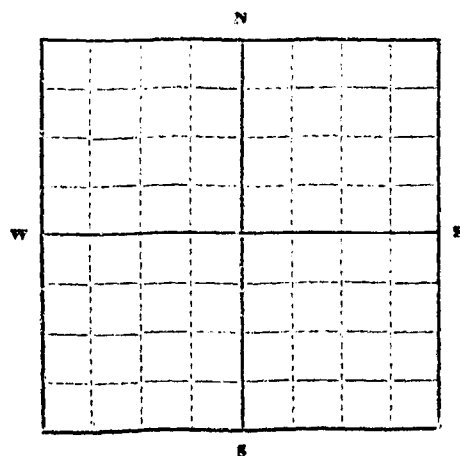
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964  
STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Melvin W. Fennan of Big Lake Drummond  
(Name of Appropriator) (Address) (Town)  
County of Granite State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 4 T. 10N. R. 2W  
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 Stockwater irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been before 1900
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 150 gpm or 1000 gpm
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
about 200 acres of garden land  
near Big Lake, Montana  
owned by M. Fennan
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
by hand pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater before 1900
8. The depth of water table 22 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 2 inch well with pump  
located near Big Lake, Montana  
depth about 20 ft
10. The estimated amount of groundwater withdrawn each year 150 gpm
11. The log of formations encountered in the drilling of each well if available —
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record —

Signature of Owner Melvin W. FennanDate Jan 6 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.

23970

RECORDED  
Dec 31 1963  
42 4  
By  
Agnes M. McDonald  
Personal Note

File No.

DUPLICATE

T. 12 R. 12

County

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964

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

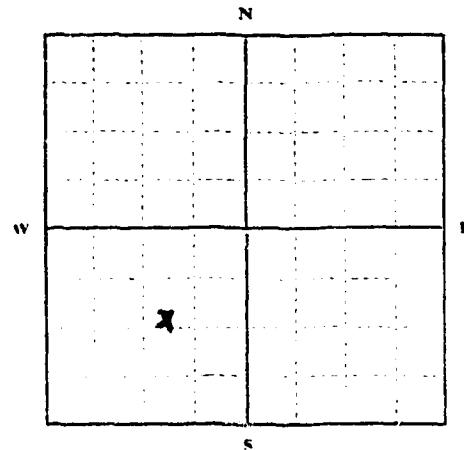
1. GENE M. ALLEN  
(Name of Appropriator)

of Box 25 Drummond  
(Address) (Town)

County of GRANITE

State of MONTANA

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



NE 1/4 SW Sec. 6 T. 10 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 HUMAN and LIVESTOCK
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1910 - continuous since 1910
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approximately 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 1910
8. The depth of water table 20 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 35 foot depth - hand dug - 30 inch galvanized casing
10. The estimated amount of groundwater withdrawn each year 30,000 gallons
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 Gene M. Allen

Date 12/27/63

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

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

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

24012

100-254

FILED FOR RECORD

Dec 30 1963

at 10:00 AM

*James M. [Signature]*

by \_\_\_\_\_

File No.

T. 12 R. 12

DUPLICATE

County

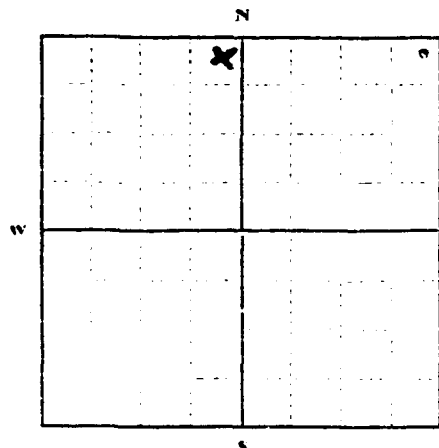
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 6 1964  
STATE ENGINEER

1. **GENE M. Allen** (Name of Appropriator) of **Box 25** (Address) **DRUMMOND** (Town)  
County of **GRANITE** State of **MONTANA**  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



**NE 1/4 Sec. 6 T. 10 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 **HUMAN and LIVESTOCK**
3. Date or approximate date of earliest beneficial use; and how continuous the use has been **1915; CONTINUOUS SINCE 1915**
4. The amount of groundwater claimed (in miner's inches or gallons per minute) **Approximately 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 **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 **1914 - Commencement; 1915 - Completion**
8. The depth of water table **15 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 **Approximately 275 feet deep, using a 6 inch casing**
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 **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

Gene M. Allen

Date 12/27/63

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

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

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



77553

FILED FOR RECORD

Dec 30 1963

8 minutes past 1

*James M. McDonald*  
County Recorder

By \_\_\_\_\_ Deputy

File No. ....

T. 10 N R. 12 W

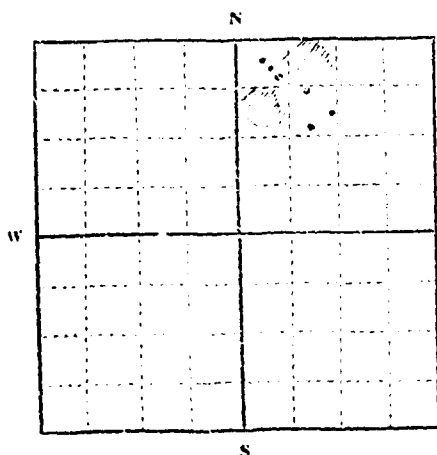
DUPLICATE

County CLATSOP

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 MARCH 10, 1971Owner Gene M. and Florence M. Allen Address Drummond, Mont.Contractor (if any) NoneAddress of Contractor NoneDate Started None Date Completed NoneDescribe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. 6 SPRINGS

N.W. 1/4 Sec. 6 T.10. R.12.

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

• indicates SPRING  
• indicates place of use

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. Estimate100 inches Total - used Year RoundFor Stock Water - used approximately120 days for SPRINKLER IRRIGATIONPER YEARSignature of Owner Gene and Florence AllenDate 3/10/71

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.

Doc. No. B7058  
Filed for record  
this 33 day of MARCH  
A. D. 71, at 8:15  
o'clock A. M.

48247

87058

FILED FOR RECORD

March 22, 1971 at 15

minutes past 8:00 o'clock

A. M.

Marie Morrison

Maude I. Echols

Deputy

\$2.00 fee

File No. ....

T. 10N R. 12W

DUPLICATE

County Granite

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 6 1964

# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

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

top soil and clay  
0 to 6 ft.

Owner Herman Applegate Address Drummond, Mont.Driller Walter Riddock Address Helena, Montana

6' to 12' small clay  
seams and water gravel

Date of Notice of Appropriation of Groundwater November 6, 1963

12' to 43' red clay

Date well started October 27 Date Completed November 6, 63

43' to 51' soft clay

closing drill until casing  
(bag, driven, bored or  
drilled)

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

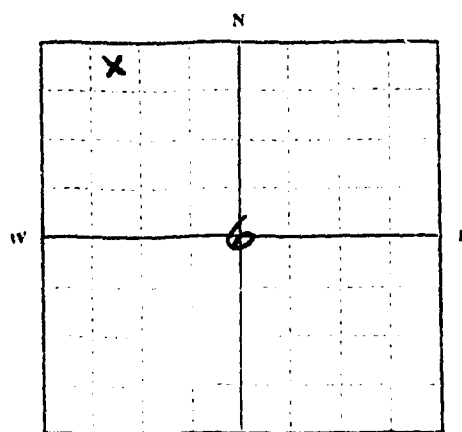
51 to 87' very hard clay.

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

87 to 109 rock, very hard  
at 105 to 109'

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)	PL. FORMATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	2" 15'	0	89'	Open hole in rock to 109 ft.		



NW 1/4 NW 1/4 Sec. 6 T. 10N R. 12W

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom. 109 ft.Static Water Level for non-flowing Well 71 feet.

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

Pumping Water Level 102 feet at 7 gal. per minute.

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

How Tested Bailer Length of Test 2 hr.

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).....

Mont. Lic. No. 49

Driller's License Number

Walter Riddock  
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.

23984

77523

FILED FOR RECORD

Dec 30 1963

at 2 o'clock on 8 o'clock

Agnes M. McDonald  
Recorder

Arnell Noy  
Deputy

File No. ....

APR 15 1967

T10N. R12W. M.B.M.

DUPLICATE

County Granite

6

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)

Owner The Bible Baptist Church Drummond, Montana

Driller Carl F. Hollensteiner Dillon, Montana

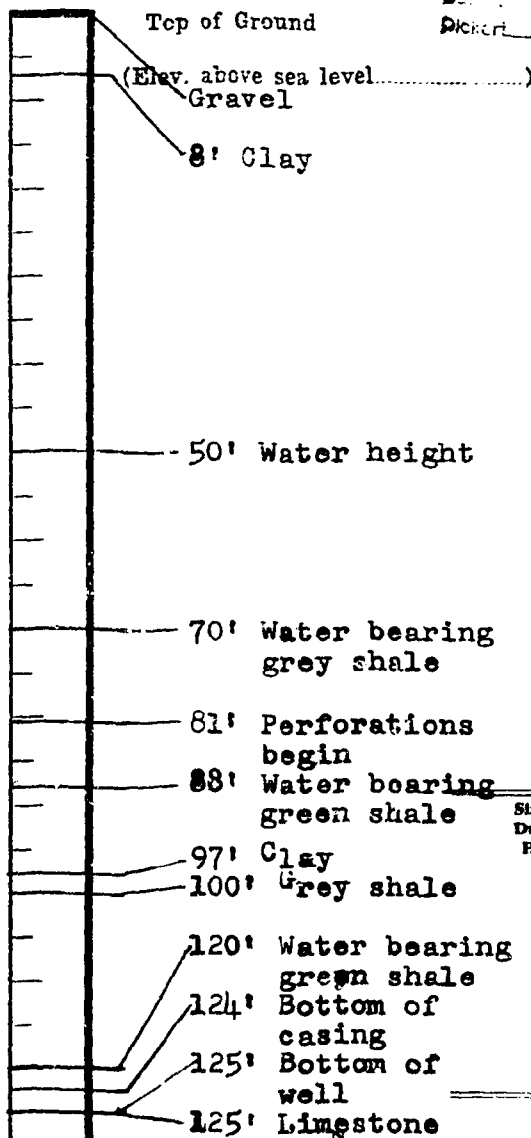
Date of Notice of Appropriation of Groundwater April 5, 1967

Date well started Feb. 28, 1967 Date Completed March 3, 1967

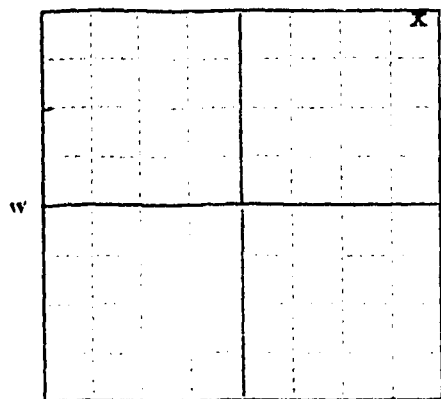
Type of well Drilled Equipment Used Drill  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) other)

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"	Surface	124'	4" X 3"	81'	96'
	18.97 lbs. per foot					



N.E. 1/4 Sec. 6 T10N. R12W.  
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 50' feet.

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

Pumping Water Level 55' feet at 25 gal. per minute.

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

How Tested Bail Length of Test 1 hour

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) .....

License No. 5  
Driller's License Number

Carl F. Hollensteiner  
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.

41882

81827

FILED FOR RECORD

April 17, 1967  
at 18 minutes past 8:00 o'clock  
A. M.

Agnes M. McDonald  
County Recorder

By Maude Echels  
Deputy

File No. ....

T 10 N R 12 W

DUPLICATE

County **Granite**

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.....)  
**clay & gravel  
to 78 feet**

78 to 82  
**clay & gravel**  
**Water**  
**clay & gravel**

Owner **Paul Greany** Address **Drummond, Mont.**Driller **O'Keefe Drilling Co.** Address **Butte, Mont.**

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

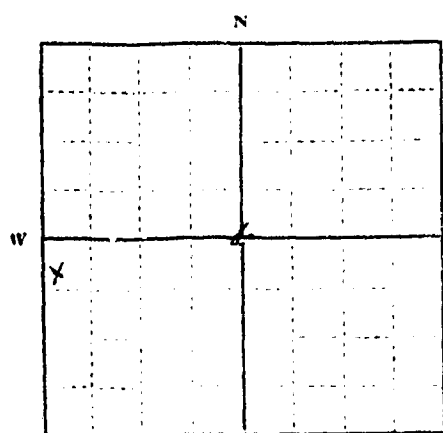
Date well started **11-20-63** Date Completed **11-24-63**

Type of well **drilled** Equipment Used **churn**  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) 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" 19 Lbs.	0	82½	cutting torch	75	81



NW 1/4 Sec. 4 T10N R12W  
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 **58** feet.

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

Pumping Water Level **70** feet at **20** gal. per minute.

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

How Tested **bailer** Length of Test **2 Hrs.**

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

Mont. License No. **8**  
Driller's License Number

*Edward J. O'Keefe*  
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.

33.514



77.32

FILED FOR RECORD

Jan 14 1964  
55 minutes past 3 o'clock  
P.M.  
Signed *W. M. Donald*  
County Recorder  
By \_\_\_\_\_ Deputy

File No. ....

T 10 N R 12 W

DUPLICATE

County Granite

## LOG

Top of Ground

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

0 - 9 ft  
clay9 ft to 18 ft  
gravel (small)18 ft to 60 ft  
clay60 ft to 75 ft  
silt + clay75 ft to 80 ft  
beds of small  
gravel + clay (10 gal/min)80 ft to 112 ft  
clay112 ft to 115 ft  
sand + small gravel (8 gal/min)STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
STATE WATER CONSERVATION BOARDNotice of Completion of Groundwater  
Appropriation by Means of Well  
DEVELOPED AFTER JANUARY 1, 1962

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

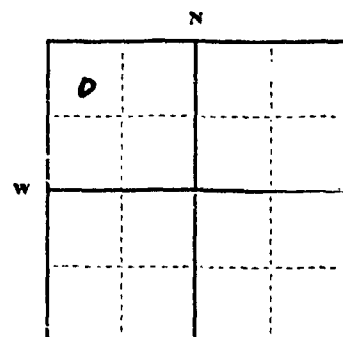
Owner Montana State Hwy Address Drummond Mont.Driller Wesley Lindsey Address Clancy Montana

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

Date well started Feb 4 - 69 Date completed Feb 8 - 69Type of well Drilled Equipment used Churn  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☒ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	1916	0	112	1/4 x 1 1/2	74	80

Static Water Level for non-flowing well  
..... 45 feet.

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

Pumping Water Level..... 58 feet  
at..... 15-18 gal. per minute.

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

How Tested..... pumpLength of Test..... 5 hours

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

NW 1/4 Sec. 6 T10N R12W

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

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

Driller's License Number

Wesley Lindsey  
Driller's Signature38  
45145

84900

FILED FOR RECORD

April 14, 1869  
at 19 minutes past 8 o'clock

44-24

Agnes M. McDonald  
County Recorder

By Calamara D. Dyer  
Deputy

File No. \_\_\_\_\_

T. 13 N R. 12 W 6

DUPLICATE

County Granite

## LOG

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

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

Owner Lisa G. O'Keefe Address Box 444  
Sumner, Mont.  
 Driller O'Keefe Drilling Co. Address 2801 Hancock Ave.  
Butte, Montana

Date of Notice of appropriation of groundwater September 24, 1968Date well started JULY 30, 1967 Date completed AUG 2, 1967Type 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 \_\_\_\_\_)

10'

0'-18' top soil &amp; rocks

20'

30'

40'

18'-40' brown shale

50'

60'

70'

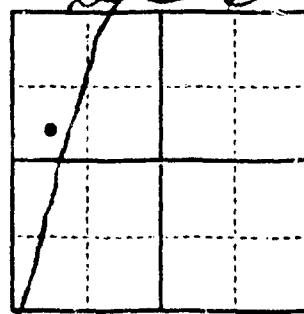
40'-70' light brown shale

80'

70'-78' sand, gravel &amp; shale

78'-80' blue shale-sand

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'	80'	cutting torch	73'	79'



Static Water Level for non-flowing well \_\_\_\_\_ 63' feet.

Shut-in Pressure for Flowing Well \_\_\_\_\_

Pumping Water Level \_\_\_\_\_ 63' feet  
at \_\_\_\_\_ 23 gal. per minute.

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

How Tested bailerLength of Test three hours

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

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

(Continue on reverse side)

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

Show exact depth of bottom.

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

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

RIGHT  
Driller's License Number

Edward O'Keefe  
 Driller's Signature.

44,690

INDEXED

*Grant County*

FILED FOR RECORD

*October 12, 1966*

at *6* minutes past *12* o'clock

*A.M.*

*Wm. M. Russell*  
County Recorder

By *Edw. J. Neal*  
Deputy

File No. ....

DUPLICATE

MONTANA WATER RESOURCES BOARD  
**RECEIVED**

LOG

JUL 29 1964

T. 12N R. 12W  
Granite County  
County GraniteSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
STATE WATER CONSERVATION BOARD

Top of Ground

(Elev. above sea level 4245)

## Formations Log:

- 0 - 2 Top soil.
- 2 - 24 Brown gravel and clay.
- 24 - 40 Gray shale.
- 40 - 53 Brown sandstone and clay.
- 53 - 60 Gray shale. Some water.
- 60 - 70 Black clay.
- 70 - 76 Brown clay.
- 76 - 88 Gray shale. Some water.
- 88 - 90 Brown clay.
- 90 - 95 Gray shale.
- 95 - 100 Gray shale. Good water.

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

DEVELOPED AFTER JANUARY 1, 1962

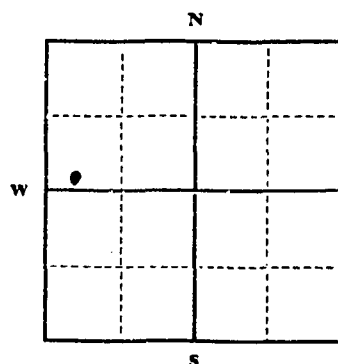
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner William Wangler Address Drummond, MontanaDriller Liberty Drilling Co. Address Missoula, MontanaDate of Notice of appropriation of groundwater None filedDate well started 10/2/64 Date completed 10/7/64Type 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  
62 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 1/2"	0	76'	Liner 5 1/2" OD x 1/2"		
				Torch Cut Black Steel	70'6"	100



21 1/4 Sec. 6 T. 12 R. 12  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well  
..... 62 ..... feet.Shut-in Pressure for Flowing Well Non-fPumping Water Level..... 74 ..... feet  
at..... 25 ..... gal. per minute.Discharge in gal. per min. of flowing well  
Non-flowingHow Tested Bailor TestLength of Test Four hoursRemarks: (Gravel packing, cementing, packers, type of shutoff) All waters entering well are coming through the perforations in the 5 1/2 inch OD liner.

(Continue on reverse side)

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

Show exact depth of bottom.

Bottom of hole 100'

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.

1/4, 455

83804

FILED FOR RECORD

July 25, 1868

at 50 minutes past 9 o'clock

A.M.

Agnes M. McDonald  
County Recorder

By Eleanor J. Haef

File No. ....

DUPLICATE

T10N R12W

County GRANITE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
NOV 14 1963

STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater NOV. 8, 1963

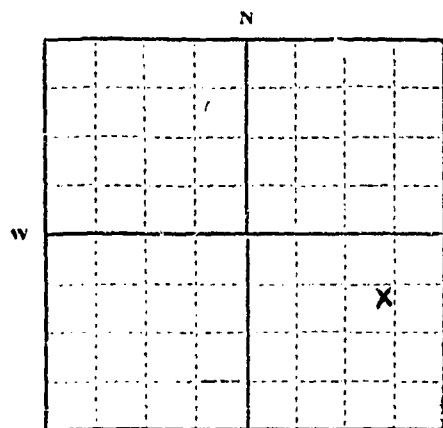
Owner ENMAN & NAKKEN Address DRUMMOND,

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. SPRING



NE 1/4 Sec. 7, T10N R12W  
Indicate point of appropriation  
and place of use, if possible.

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

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

ALL YEAR Summer irrigating  
water in winter for cattle  
Flows about 50" of water

Signature of Owner Enman & Nakken Inc

Date NOV 8, 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.

1966



# 74129

FILED FOR RECORD

Nov 12 1963  
at 6 minutes past 1 o'clock

P.M.

Agnes M. McDonald  
County Recorder

By Israel New  
Deputy

File No. ....

DUPLICATE

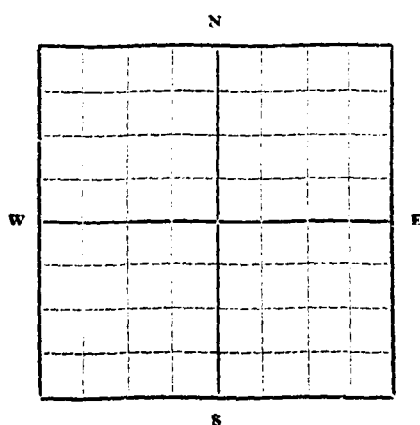
T. 12 R. 12

County GRANITE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

1. GEO. W. KARMA H. LACEY of Box 345 DRUMMOND  
(Name of Appropriator) (Address) (Town)  
County of GRANITE State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 7, T. 10, R. 12

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.  
NOT KNOWN

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1915

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 150 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 NOT APPLICABLE

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater MOST RECENT IMPROVEMENT WAS FALL OF 1963 FOR FEEDLOT USE. OTHERS ARE NATURAL FLOW (3)

8. The depth of water table TWO 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 BORED IN SPRING. HOOD GUS SPRING 3 IN. WITH EXTENDING 4' THROUGH OTHER SPRINGS (3) ARE UNIMPROVED DITCHES

10. The estimated amount of groundwater withdrawn each year

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record PAGE 48 LINE 11 FOR LOCATION

Signature of Owner

Date December 21, 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.

32169

77795

Jan 7, 64

Agnes M. McDonald  
Albany, N.Y.

File No. ....

DUPLICATE

T. 12 R. 12

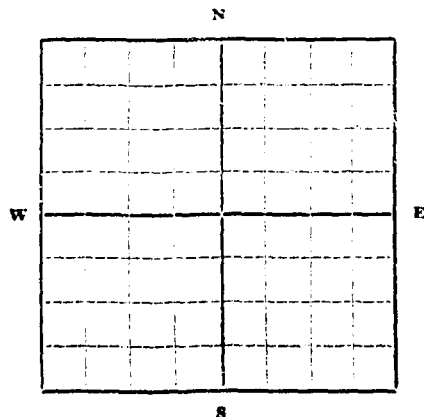
County. GRANITE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

1. George W. Lacey, Jr. of Box 345, Deer Lodge  
(Name of Appropriator) (Address) (Town)

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



S. 22 1/4 Sec. 7 T. 12 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, livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1915

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 160 gpm

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Two wells since 1915. One of these re-drilled 1963. One other re-drilled 1961 and 1962. (Four total.)

8. The depth of water table 500 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 All wells drilled to depth (or dug) of 300 feet.

10. The estimated amount of groundwater withdrawn each year 1.5 to 2.0 MGAD

11. The log of formations encountered in the drilling of each well if available Top soil, clay, 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 Page 68, Book 11, Location

Signature of Owner George W. Lacey, Jr.  
Date December 28, 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.

32162

97799

Jan 7, 64

O Agnes M. M'Carthy  
" Annie M'Carthy

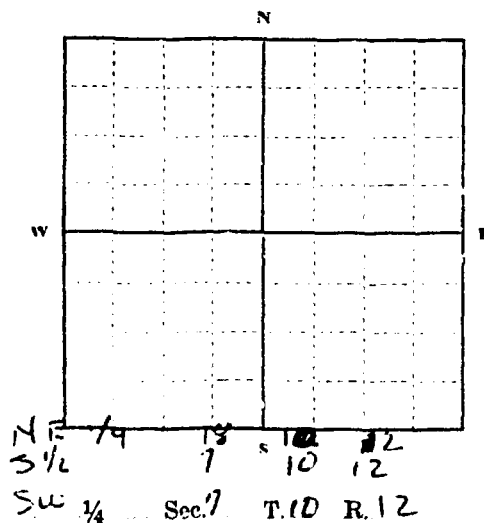
T. IC R. 12-13

County Granite

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. George W. / Karmath Lacey, of Box 343 Drummond  
(Name of Appropriator) (Address) (Town)  
County of Granite State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



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

2. The beneficial use on which the claim is based  
SUB-Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1915
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Unable to measure or estimate
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  
329<sup>9</sup>/<sub>16</sub> Acres - Pt Sec 12, Pt Sec 7-12-13  
Sec 13 & 18, Twp 10, Rge 12 & 13, Pt SW 1/4  
Sec 7, Twp 10, Rge 12, Pt S 1/2 Sec 7 & NE 1/4  
Sec 18, Twp 10, Rge 12
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
SUB-Irrigation

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater *No construction for withdrawal*
8. The depth of water table *Ground level to 2 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  
*Not applicable*
10. The estimated amount of groundwater withdrawn each year *Unable to estimate*
11. The log of formations encountered in the drilling of each well if available  
*Not applicable*
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record *Page left blank*

Signature of Owner \_\_\_\_\_

Date Dec 21

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.

32163

FILED FOR RECORD

Jan 7 1944  
clock

By Wm. H. G. Smith  
Deputy

Charles H. Smith  
Deputy

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL  
Developed After January 1, 1962

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

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

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

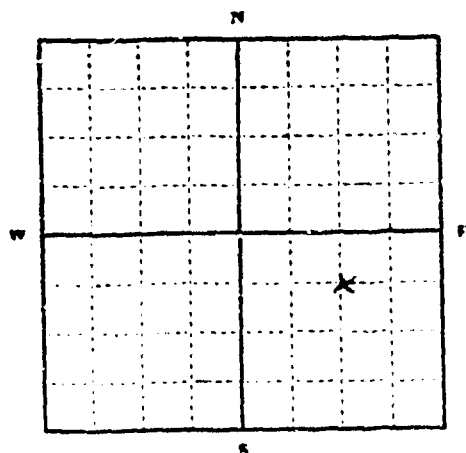
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

For Administrator's Use

File 90000

Blaine

GW 1 Blaine



NE 1/4 Sec. 7

T. 12 N. R. 12 E. W

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

Owner Blaine  
Address Blaine  
Contractor (if any)  
Address of Contractor  
Date Started Date Completed

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

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

3. Depth of water table

4. Use of the water Irrigation

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 100 miner's inches

6. If used for irrigation, give number of acres and description of land 4.2 Acres

7. Estimate amount of water used each year

8. Months of year spring flows All year

Signature of Owner Blaine

Date June 23, 1963



90072

FILED FOR RECORD

June 27 1973

at 215 minutes past 4 o'clock

P.M.

W. W. Merriam  
County Recorder

by

Deputy

File No. ....

T. 7 S. R. 10 E.

TRIPPLICATE

County DEWEE

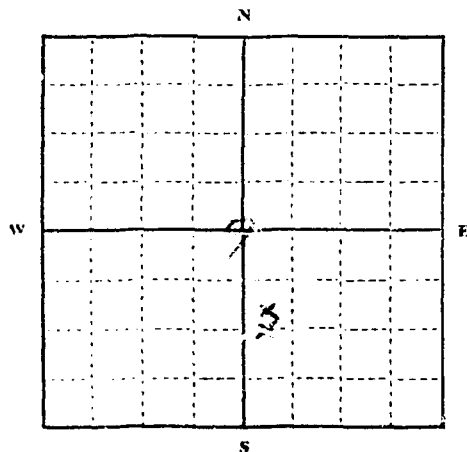
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, John A. Smith, of DeWette County, State of Montana,  
(Name of Appropriator) (Address) (Town)

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



1/4 Sec. 10 T. 7 S. R. 10 E.

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

2. The beneficial use on which the claim is based HOUSE  
AND STOCK WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1953 - STILL UNDERWAY
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1500 GPM PER ACRE FOOT  
1500 GPM PER ACRE FOOT
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
.....  
.....
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
1500 GPM PER ACRE FOOT  
.....  
.....
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1953 - STILL UNDERWAY
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 1500 GPM PER ACRE FOOT  
1500 GPM PER ACRE FOOT
10. The estimated amount of groundwater withdrawn each year 1500 GPM PER ACRE FOOT
11. The log of formations encountered in the drilling of each well if available 1500 GPM PER ACRE FOOT  
.....  
.....
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.....

Date.....

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.

16842

72510

FILED FOR RECORD

Dec 17 1863

at 34 minutes past 3 o'clock

P.M.  
James M. McDonald  
County Recorder

By \_\_\_\_\_ Deputy

T 10 N R 12 W

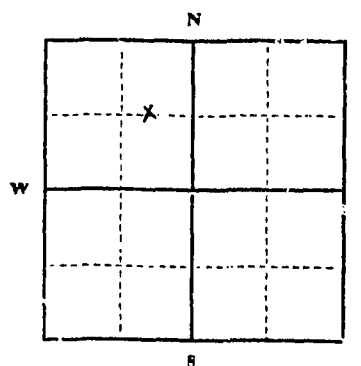
County.....Franklin

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
STATE WATER CONSERVATION BOARD

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

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 "	176	0	53		22.00	



Static Water Level for non-flowing well 25 feet.

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

Pumping Water Level.....34.....feet

at.....20.....gal. per minute.

Discharge in gal. per min. of flowing well

How Tested..... *Baker*

Length of Test.....2 hrs.....

Remarks: (Gravel packing, cementing, pack-

/crs, type of shutoff).....

0-7 lb  
Pit 6

7 ft to 18 ft  
Clay

18 ft to 35 ft  
Hardpan

2 5-ft to 45 ft  
Pentinite

45 ft to 55 ft  
Clay

55 ft to 66.  
 seams of gravel  
 & Clay

Doc. No. 85804

Filed for record

this 14 day of January

A. D. 19 70 at 2:00

o'clock 2 M.

NE NW, ~~4~~ Sec. 14 T. 10N 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).

Show exact depth of bottom.

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

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

Driller's License Number

Wendy Lindsay  
Driller's Signature

16054