

139243

FILED	
at 1:35	O'clock P.M.
DEC 26 1963	
<i>[Signature]</i>	
County Clerk & Recorder	
Deputy	

## DRILLER'S LOG

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

**Developed after January 1, 1962**

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

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

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

Owner Harold Johnson

Address .....

Date well started 1-3-7

completed 2-21-7

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used 7-10-68

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

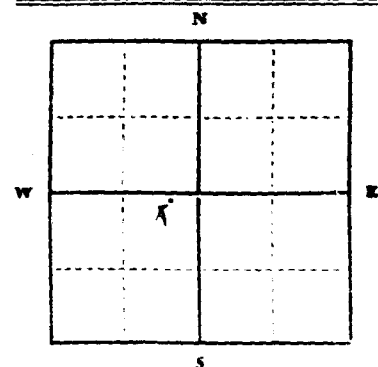
Industrial ☐ Drainage ☐ Other ☐\* Garden, Lawn ☐

• 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"	4" 7 lb	1	120	with	15 117
	5 lb				



Static water level ..... 55 ..... ft.\*  
Pumping water level ..... 55 ..... ft.\*  
at ..... 0 ..... gallons per minute,  
measured ..... 1 ..... minutes after pumping  
began.

\*Measured from ground level.

Well developed by 15-20  
for 2 hours.

Power \_\_\_\_\_ Pump \_\_\_\_\_ HP \_\_\_\_\_

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

NE 1/4 SW 1/4 Sec. 8

T. 7 N. R. 61 E. W

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

Driller's Signature \_\_\_\_\_

Driller's Address \_\_\_\_\_

LICENSE NO. 147

Show exact depth of bottom

47612

10241

64

FALLON COUNTY  
BAKER, MONTANA

Filed for Record

at 2:30 o'clock P.M.

OCT 9 1970

Ben A. Peterson  
County Clerk

Deputy  
Fee: \$2.00



12364

FALLON COUNTY  
BAKER, MONTANA

Filed for Record

at 3:05 o'clock P.M.

DEC 30 1971

Bea Atkinson  
County Clerk

2-28-2000 Deputy

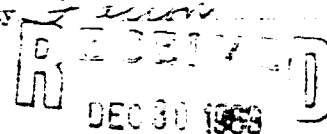
File No.

T. 4 R. 51

DUPLICATE

County

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

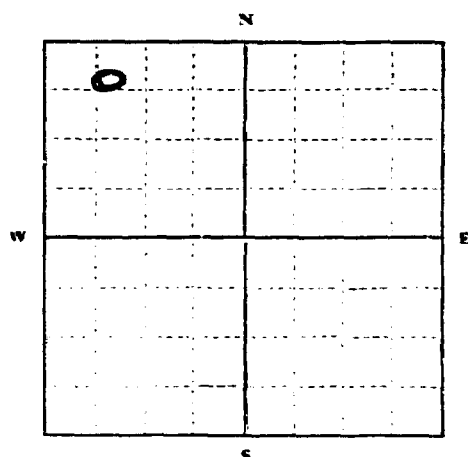


# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Theresa Johnson, of Baker  
(Name of Appropriator) (Address) (Town)  
County of Fallon State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N. 1/4 Sec. 15 T. 42 R. 61

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 Water for home, livestock, and general farm use.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov. 1941 12 months of year
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Five gallon 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 submersible pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov. 1941
8. The depth of water table 24 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 67 feet 4 inch steel casing
10. The estimated amount of groundwater withdrawn each year 800000 approximately
11. The log of formations encountered in the drilling of each well if available Not Available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner

Date Dec 24, 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.

14282

139242

FILED  
At 1:35 O'clock P.M.  
DEC 26 1963  
*Richard S. [Signature]*  
County Clerk & Recorder  
Deputy

RECEIVED

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

	15		
		0	

15  
T. 4 N R. 61 E  
County Fallon

Owner SHELL OIL COMPANY Address P. O. Box 2547 Billings, Montana  
Driller Livingston Address Wilmott, Montana  
Date Started December 1952 Date Completed December 1952  
Location: Sec. 15 T. 4 N R. 61 E 1/4 sec. Southeast

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 215 ft. Type 17 1/2 Size 6-5/8"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 80 to ft. 120 Ft. to ft.

Type of screen or perforations Torch perforated

Static Water level, for non-flowing 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)

Baker basket at 79'

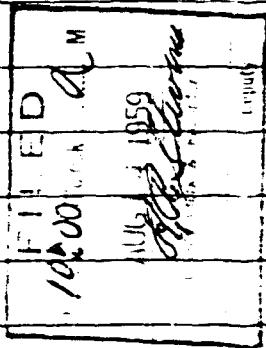
(over)



Log of Well

Depth, feet		Description of Material Drilled
From	To	
<del>Continued from previous page</del>		
0	17	Surface clay and sand
17	22	Gravel
22	80	Soft grey clay shale
80	120	Soft sand
120	150	Sandy shale and clay
150	215	Bear Paw Shale

128656



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

T. \_\_\_\_\_ R. \_\_\_\_\_

DUPLICATE

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

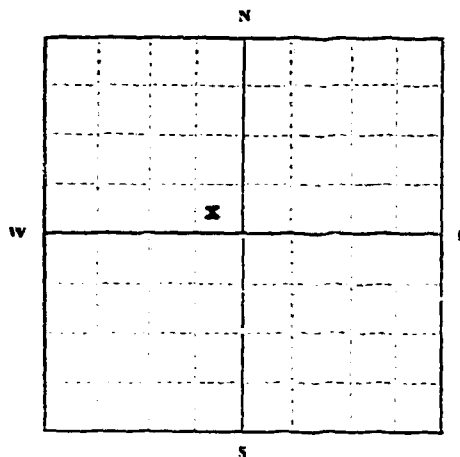
RECEIVED  
FEB 1 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Clarence A. Northrop Jr. of 2420 So. 137 St. Seattle  
(Name of Appropriator) (Address) (Town)
- County of King State of Washington  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



**N. 3. 1/4 Sec. 17. T. 4 N. R. 61 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 watering of livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuously used 3 or 4 months each summer since July 1951.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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 used for irrigation.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal windmill.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 1951.
8. The depth of water table 50 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 The well is 70 feet deep, has a 6 inch iron casing with a 3 inch cylinder.
10. The estimated amount of groundwater withdrawn each year about 144,000 gallons per year.
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 The address I have shown under item 1 on this sheet is my present address, however the well referred to is in Fallon County Montana.

Signature of Owner Clarence A. Northrop Jr.

Date Jan 27, 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.

34792

139769

FILED	
at 8:20	O'clock A.M.
FEB 3 1964	
<i>R. B. Stevenson</i>	
County Clerk & Recorder	
Deputy	

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

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

T. 4 R. 61  
County Fallon  
**RECEIVED**  
DEC 30 1963

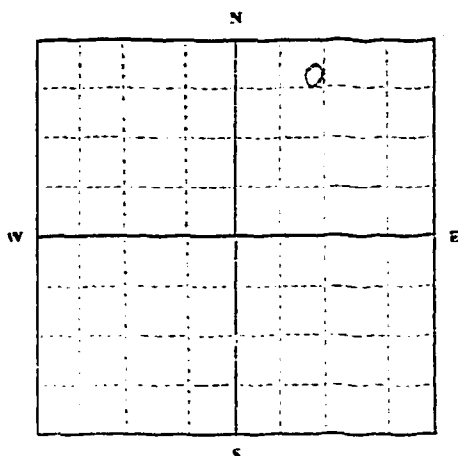
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Llewellyn Johnson, of Baker,  
(Name of Appropriator) (Address) (Town)

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



NE 1/4 Sec. 21 T. 4 R. 61

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 For watering  
livestock.

3. Date or approximate date of earliest beneficial use; and how continu-  
ous the use has been September 1957. Approximately  
Six months out of a year.

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) Four 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 loca-  
tion of each well or other means of withdrawal  
Windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater September 1957

8. The depth of water table 40 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 150 feet deep, 4 inch steel casing,  
Water drawn through a 2 inch cyl. with a 8 inch stroke.

10. The estimated amount of groundwater withdrawn each year Approximately 400000 gal.

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

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

Signature of Owner

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.

14280

139240

FILED	
at 1:35	O'clock P. M.
DEC 26 1963	
<i>[Signature]</i>	
County Clerk & Recorder	
Deputy	

File No. ....

T 4N R 61E

DUPLICATE

County Fallon

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

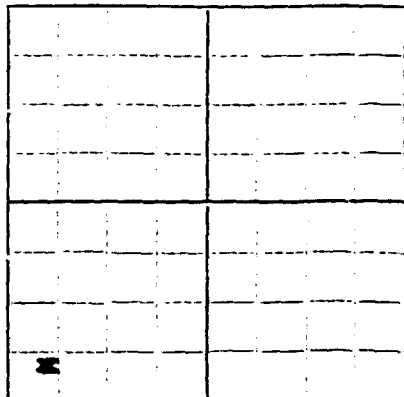
RECEIVED

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Montana Dakota Utilities Co. of Baker  
(Name of Appropriator) (Address) (Town)  
County of Fallon State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



440' from the S line and 450'  
from the W line  
SW 1/4 Sec 25 T 4N R 61E

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 Little Beaver  
Compressor Plant. Normal sanitary use for 6 residences.
3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been November, 1942 - continuous to  
present.
4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 30 gals/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  
N/A
6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal 4 3/4" cylinder pump
7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater October 20, 1942
8. The depth of water table 172 feet - approximately
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 201 feet at 12 3/4" casing with 153 feet of 8 5/8  
casing on bottom. Perforations from 239 to 269 feet.
10. The estimated amount of groundwater withdrawn each year 175,000 gallons
11. The log of formations encountered in the drilling of each well if available 0-35 Sandy Shale - 35-115  
Buff colored sandy shale - 115-145 Dark Sandy Shale - 145-155 Shale - dark - 155-159'-6  
Sandy Shale - 159'-6"-201 Water Sand - 201-214 Light to dark shale - 214-245 dark sandy  
shale - 245-265 Sand Water - 265-345 Shale dark - Total Depth 345'
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

N/A

MONTANA-DAKOTA UTILITIES CO.

Signature of Owner

Ass't. Vice-President

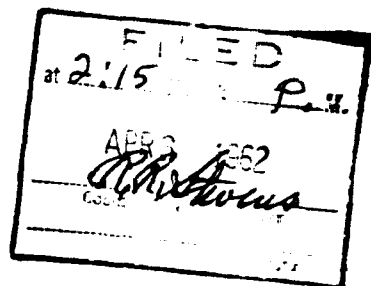
Date March 30, 1962

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

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

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

134070



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

T. 4E R. 61E

DUPLICATE

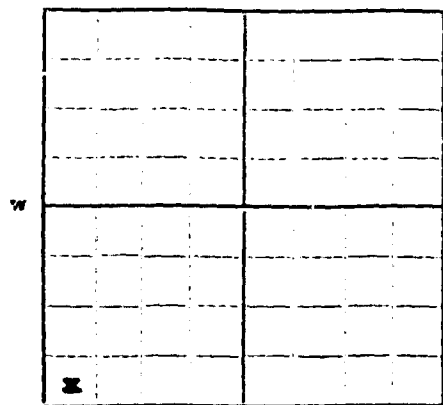
County Fallon

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED

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

1. Montana Dakota Utilities Co. of Baker  
(Name of Appropriator) (Address) (Town)  
County of Fallon State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



355' from S line and 320' from  
W line

SW 1/4, Sec 25 T. 4E R. 61E

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 Little Beaver Compressor Plant. Normal Sanitary use for residences.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1, 1935, continuous to present.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gals/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 N/A
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 2 1/2" Cylinder Pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 29, 1935
8. The depth of water table 172 feet - approximately
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 350' of 12 3/8" casing - perforated from 185 to 201' and from 255 to 275'. 256 feet of 3" tubing
10. The estimated amount of groundwater withdrawn each year 175,000 gallons
11. The log of formations encountered in the drilling of each well if available 0-4 Surface Soil - 4-34 Hard brown sandstone - 34-54 Green colored mud & sand - 54-75 Dark Colored Sand - 75-116 Dark Sandy Shale - 116-145 Brown Sandy Shale - 145-148 Green Sandy Shale - 148-185 Gray Sandy Shale - 185-197 Water Sand - 197-255 Brown Shale - 255-263 Gray Sand Water 263-340 Gray Sandy Shale - 340-350 Gray Shale - 350 Total Depth
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 N/A

MONTANA-DAKOTA UTILITIES CO.

Signature of Owner H. M. Fredrickson  
Ass't. Vice-President  
Date March 30, 1962

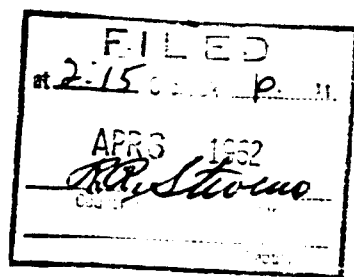
Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

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

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



134069



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

T. 4N R. 61E

DUPLICATE

County Fallon

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

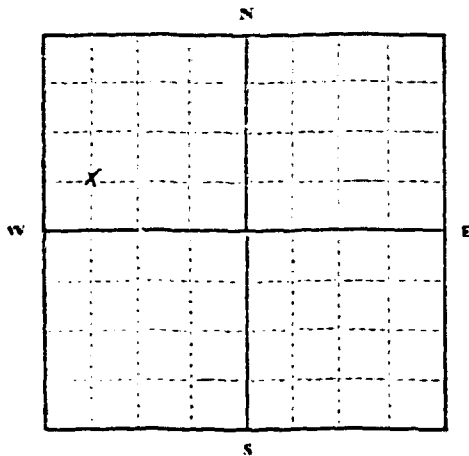
**RECEIVED**  
NOV 29 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1 Northern Pacific Railway Company, of N.P. Bldg. St. Paul  
(Name of Appropriator) (Address) (Town)  
County of Ramsey State of Minnesota  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW  $\frac{1}{4}$  Sec. 25 T. 4N R. 61E

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 Water for livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since 1962.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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 Pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well, drilled in 1962.
8. The depth of water table 105 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 200 feet deep - 4-inch casing.
10. The estimated amount of groundwater withdrawn each year \_\_\_\_\_
11. The log of formations encountered in the drilling of each well if available 0-1' topsoil; 1-17' gumbo; 17-97' sandy clay; 97-101' rock; 101-121' sand; 121-160' sandy clay; 160-195' sand; 195-200' sandy 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 None available.

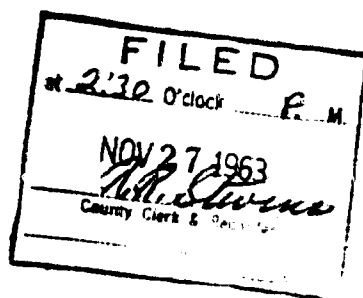
**Northern Pacific Railway Company**  
Signature of Owner By [Signature]  
Dist. Supervisor, Graz. & Cult.  
Date \_\_\_\_\_

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.

138821



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

T 4 R 61

DUPLICATE

County Fallon

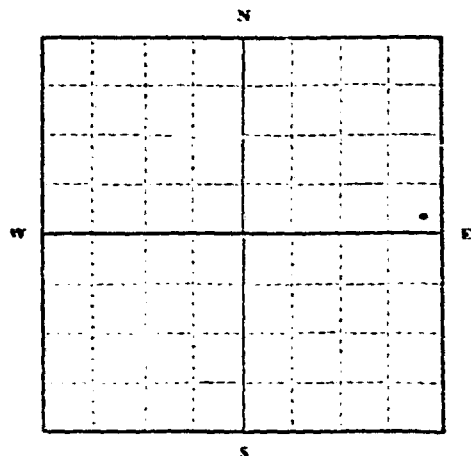
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 21 1963

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

I, A. M. Scoles, of R.R. 101 Baker  
(Name of Appropriator) (Address) (Town)  
County of Fallon State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE  $\frac{1}{4}$  Sec 26 T. 4 R. 61

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 and Livestock Water supply
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Old well - 1910  
New well - 4-10-55  
Daily use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 104 ft. of water in Hole  
50 ft. From surface to Top of Water  
30 G.P.M.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill  
and Submersible pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1910 and April 10 1955
8. The depth of water table 50 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 Old well 11 inch Hole  
110 feet deep  
New Well 4 inch Hole 162 feet deep
10. The estimated amount of groundwater withdrawn each year 75,000 gallons
11. The log of formations encountered in the drilling of each well if available  
0-50 Brown clay  
50-140 Blue shale  
140-162 Blue sand
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record There is 10 ft separating  
these two wells

Signature of Owner

A. M. Scoles

Date Dec. 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.

13227

139221

FILED	
at 10:00 O'clock	A M.
DEC 26 1963	
<i>R. H. Brown</i>	
County Clerk & Recorder	
Deputy	

T 4N R 612

COUNTY Patton

RECEIVED  
DEC 12 1963

# SALE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

[illegible]

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 Cattle
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Oct 19-29
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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  
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump
- Letter of the construction of the well, wells, or other works for withdrawal  
59
7. The size and depth of each well or the general specifications of any other  
125 Depth 4" casing 2 1/2 Cy - 125
8. The amount of water withdrawn each year 1 million gal.
9. The drilling of each well if available 0-1 Top Soil - 1-3  
Shandy - 13 1/2 22 Shandy Rock 22 1/2 23 - Rock  
1 Rock - 31 1/2 Sec Shandy - 10 1/2 11 1/2  
2 1/2 12 1/2 13 1/2 14 1/2 15 1/2 16 1/2 17 1/2 18 1/2 19 1/2 20 1/2 21 1/2 22 1/2 23 1/2 24 1/2 25 1/2 26 1/2 27 1/2 28 1/2 29 1/2 30 1/2 31 1/2 32 1/2 33 1/2 34 1/2 35 1/2 36 1/2 37 1/2 38 1/2 39 1/2 40 1/2 41 1/2 42 1/2 43 1/2 44 1/2 45 1/2 46 1/2 47 1/2 48 1/2 49 1/2 50 1/2 51 1/2 52 1/2 53 1/2 54 1/2 55 1/2 56 1/2 57 1/2 58 1/2 59 1/2 60 1/2 61 1/2 62 1/2 63 1/2 64 1/2 65 1/2 66 1/2 67 1/2 68 1/2 69 1/2 70 1/2 71 1/2 72 1/2 73 1/2 74 1/2 75 1/2 76 1/2 77 1/2 78 1/2 79 1/2 80 1/2 81 1/2 82 1/2 83 1/2 84 1/2 85 1/2 86 1/2 87 1/2 88 1/2 89 1/2 90 1/2 91 1/2 92 1/2 93 1/2 94 1/2 95 1/2 96 1/2 97 1/2 98 1/2 99 1/2 100 1/2 101 1/2 102 1/2 103 1/2 104 1/2 105 1/2 106 1/2 107 1/2 108 1/2 109 1/2 110 1/2 111 1/2 112 1/2 113 1/2 114 1/2 115 1/2 116 1/2 117 1/2 118 1/2 119 1/2 120 1/2 121 1/2 122 1/2 123 1/2 124 1/2 125 1/2 126 1/2 127 1/2 128 1/2 129 1/2 130 1/2 131 1/2 132 1/2 133 1/2 134 1/2 135 1/2 136 1/2 137 1/2 138 1/2 139 1/2 140 1/2 141 1/2 142 1/2 143 1/2 144 1/2 145 1/2 146 1/2 147 1/2 148 1/2 149 1/2 150 1/2 151 1/2 152 1/2 153 1/2 154 1/2 155 1/2 156 1/2 157 1/2 158 1/2 159 1/2 160 1/2 161 1/2 162 1/2 163 1/2 164 1/2 165 1/2 166 1/2 167 1/2 168 1/2 169 1/2 170 1/2 171 1/2 172 1/2 173 1/2 174 1/2 175 1/2 176 1/2 177 1/2 178 1/2 179 1/2 180 1/2 181 1/2 182 1/2 183 1/2 184 1/2 185 1/2 186 1/2 187 1/2 188 1/2 189 1/2 190 1/2 191 1/2 192 1/2 193 1/2 194 1/2 195 1/2 196 1/2 197 1/2 198 1/2 199 1/2 200 1/2 201 1/2 202 1/2 203 1/2 204 1/2 205 1/2 206 1/2 207 1/2 208 1/2 209 1/2 210 1/2 211 1/2 212 1/2 213 1/2 214 1/2 215 1/2 216 1/2 217 1/2 218 1/2 219 1/2 220 1/2 221 1/2 222 1/2 223 1/2 224 1/2 225 1/2 226 1/2 227 1/2 228 1/2 229 1/2 230 1/2 231 1/2 232 1/2 233 1/2 234 1/2 235 1/2 236 1/2 237 1/2 238 1/2 239 1/2 240 1/2 241 1/2 242 1/2 243 1/2 244 1/2 245 1/2 246 1/2 247 1/2 248 1/2 249 1/2 250 1/2 251 1/2 252 1/2 253 1/2 254 1/2 255 1/2 256 1/2 257 1/2 258 1/2 259 1/2 260 1/2 261 1/2 262 1/2 263 1/2 264 1/2 265 1/2 266 1/2 267 1/2 268 1/2 269 1/2 270 1/2 271 1/2 272 1/2 273 1/2 274 1/2 275 1/2 276 1/2 277 1/2 278 1/2 279 1/2 280 1/2 281 1/2 282 1/2 283 1/2 284 1/2 285 1/2 286 1/2 287 1/2 288 1/2 289 1/2 290 1/2 291 1/2 292 1/2 293 1/2 294 1/2 295 1/2 296 1/2 297 1/2 298 1/2 299 1/2 300 1/2 301 1/2 302 1/2 303 1/2 304 1/2 305 1/2 306 1/2 307 1/2 308 1/2 309 1/2 310 1/2 311 1/2 312 1/2 313 1/2 314 1/2 315 1/2 316 1/2 317 1/2 318 1/2 319 1/2 320 1/2 321 1/2 322 1/2 323 1/2 324 1/2 325 1/2 326 1/2 327 1/2 328 1/2 329 1/2 330 1/2 331 1/2 332 1/2 333 1/2 334 1/2 335 1/2 336 1/2 337 1/2 338 1/2 339 1/2 340 1/2 341 1/2 342 1/2 343 1/2 344 1/2 345 1/2 346 1/2 347 1/2 348 1/2 349 1/2 350 1/2 351 1/2 352 1/2 353 1/2 354 1/2 355 1/2 356 1/2 357 1/2 358 1/2 359 1/2 360 1/2 361 1/2 362 1/2 363 1/2 364 1/2 365 1/2 366 1/2 367 1/2 368 1/2 369 1/2 370 1/2 371 1/2 372 1/2 373 1/2 374 1/2 375 1/2 376 1/2 377 1/2 378 1/2 379 1/2 380 1/2 381 1/2 382 1/2 383 1/2 384 1/2 385 1/2 386 1/2 387 1/2 388 1/2 389 1/2 390 1/2 391 1/2 392 1/2 393 1/2 394 1/2 395 1/2 396 1/2 397 1/2 398 1/2 399 1/2 400 1/2 401 1/2 402 1/2 403 1/2 404 1/2 405 1/2 406 1/2 407 1/2 408 1/2 409 1/2 410 1/2 411 1/2 412 1/2 413 1/2 414 1/2 415 1/2 416 1/2 417 1/2 418 1/2 419 1/2 420 1/2 421 1/2 422 1/2 423 1/2 424 1/2 425 1/2 426 1/2 427 1/2 428 1/2 429 1/2 430 1/2 431 1/2 432 1/2 433 1/2 434 1/2 435 1/2 436 1/2 437 1/2 438 1/2 439 1/2 440 1/2 441 1/2 442 1/2 443 1/2 444 1/2 445 1/2 446 1/2 447 1/2 448 1/2 449 1/2 450 1/2 451 1/2 452 1/2 453 1/2 454 1/2 455 1/2 456 1/2 457 1/2 458 1/2 459 1/2 460 1/2 461 1/2 462 1/2 463 1/2 464 1/2 465 1/2 466 1/2 467 1/2 468 1/2 469 1/2 470 1/2 471 1/2 472 1/2 473 1/2 474 1/2 475 1/2 476 1/2 477 1/2 478 1/2 479 1/2 480 1/2 481 1/2 482 1/2 483 1/2 484 1/2 485 1/2 486 1/2 487 1/2 488 1/2 489

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

Date Dec 10, 1963

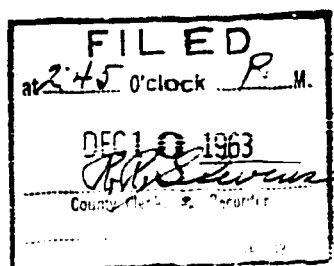
Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

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.

36-2

138962



5/813



13703

FALLON COUNTY  
BAKER, MONTANA

Filed for Record

at 1:35 o'clock PM

NOV 15 1972

*Ben Atkinson*  
County Clerk

\_\_\_\_\_  
Deputy

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 Act

Address

Date well started Sept 1 - 71

completed Sept 3 - 71

Type of well

Equipment used

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

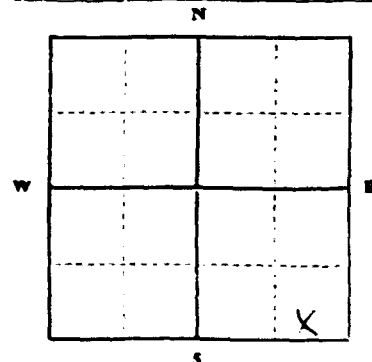
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*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)
7"	5" Plastic	0	160	drilled 1/2" hole 4" apart 4 Rows	138	160



SE 1/4 SE 1/4 Sec. 31

T. 41 N. R. 61 E.

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

Driller's Signature

Driller's Address

Montana

LICENSE NO. 147

County Fallon 31

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)	
2	12	clay
18	24	clay
24	58	sand
58	63	clay
62	100	very clay
100	120	sand
120	138	clay
138	160	sand

Show exact depth of bottom

49191

11837

FALLON COUNTY  
BAKER, MONTANA

Filed for Record

at 1:50 o'clock P.M.  
OCT 1 1971

Bea Atkinson

County Clerk

Victor Ruelter

Deputy

Fee \$200

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

DUPLICATE

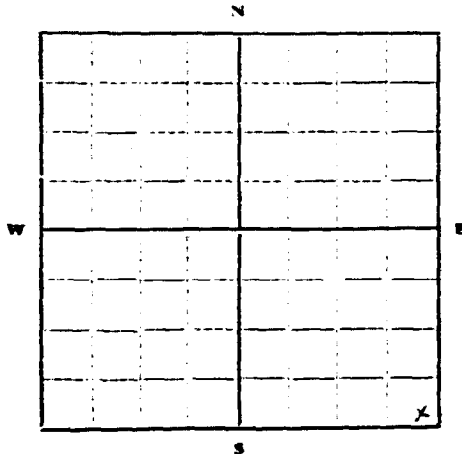
T 4 R 61  
County FallonSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
DEC 18 1963

STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Paul B. Warner Estate of Route 101 Baker  
 (Name of Appropriator) (Address) (Town)  
 County of Fallon State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SE 14 Sec. 31 T. 4 R. 61

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

2. The beneficial use on which the claim is based Stock watering, house water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1952  
continuously
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gals
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Jet Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1952
8. The depth of water table 31 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 22 ft deep 4 inch casing
10. The estimated amount of groundwater withdrawn each year 75,800 gals
11. The log of formations encountered in the drilling of each well if available  
not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

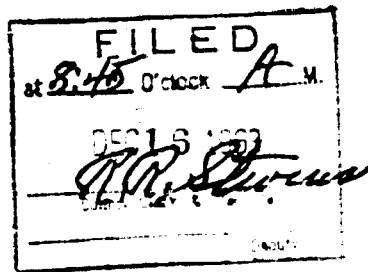
Paul B. Warner Estate  
Margaret Warner (adm)  
 Date Dec 16, 1963

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.

139028



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

T 4 R 61 E

DUPLICATE

County Fallon

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

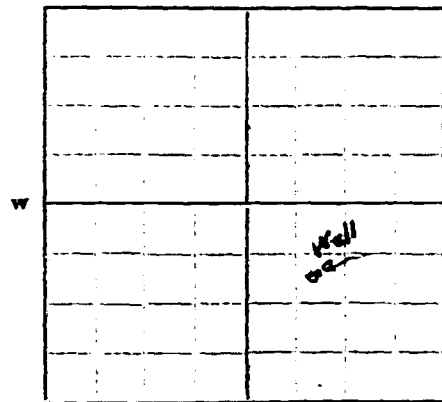
RECEIVED  
NOV 13 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

John E. Rusley, Partner in the  
1. S bar X Ranch of Baker  
(Name of Appropriator) (Address) (Town)  
County of Fallon State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SE 14 of Sec. 31 T. 4N R. 61E

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 for  
livestock and domestic use
3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been June 15, 1911 in  
continuous till 1940 and intermittently  
since 1940 to 1963
4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 10 gals. per. minute
5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
Not used for irrigation
6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal by  
surface pump, cylinder and drop pipe  
pumped by windmill or motor
7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater May 1911, June 15, 1911
8. The depth of water table 75 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 Bored 2 ft. dia. depth 90 ft.  
wood casing, concret top 6 ft.
10. The estimated amount of groundwater withdrawn each year 200,000 gals. per. year
11. The log of formations encountered in the drilling of each well if available.  
clay and shale 75 ft. water sand 15 ft.
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

S bar X Ranch  
John E. Rusley, partner  
Date Nov. 12, 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.

6-197

138683

FILED	
at 11:15	O'clock A M.
NOV 12 1963	
<i>R. M. L. L. L.</i>	
County Clerk & Recorder	
Deputy	

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

T 4 R 61

DUPLICATE

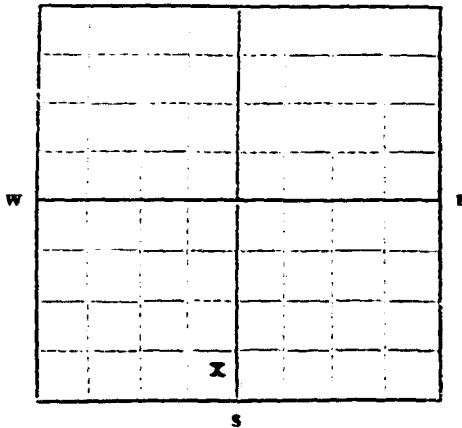
County Fallon

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**RECEIVED**  
NOV 12 1963

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

I, Richard Follmer of 12521 S.E. 170th Place, Renton, Wash.  
(Name of Appropriator) (Address) (Town)  
County of Fallon State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW 1/4 Sec. 32 T. 4 R. 61

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

2. The beneficial use on which the claim is based  
Stock watering

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been Sept. 20, 1952 and has  
been in use since that date.

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 10 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
None.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater. Started drilling about Sept. 15, 1952.  
Completed Sept. 20, 1952.

8. The depth of water table approx. 60 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 Drilled well 80 ft with 6 in. casing.  
Equipped with pump operated by gas engine.

10. The estimated amount of groundwater withdrawn each year 69,000 gallons per year.

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

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

Signature of Owner Richard Follmer

Date October 30, 1963

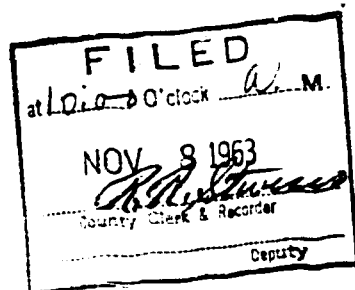
Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is  
located.

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

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



138653



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

JUL 30 1966

T. 4 R. 61

DUPLICATE

\_\_\_\_\_  
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 \_\_\_\_\_

County Fallon

STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level \_\_\_\_\_)

Notice of Completion of Groundwater  
 Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

0 to 2 top Soil  
 2 to 11 yellow Clay  
 11 to 19 Rock  
 19 to 132 Gray Clay  
 132 to 137 Coal  
 137 to 205 Gray Clay  
 205 to 238 Sand Rock  
 238 to 240 Clay

Owner Art. Frostad Address Baker Mont  
E. H. Cusker Address Baker Mont

Date of Notice of Appropriation of Groundwater \_\_\_\_\_

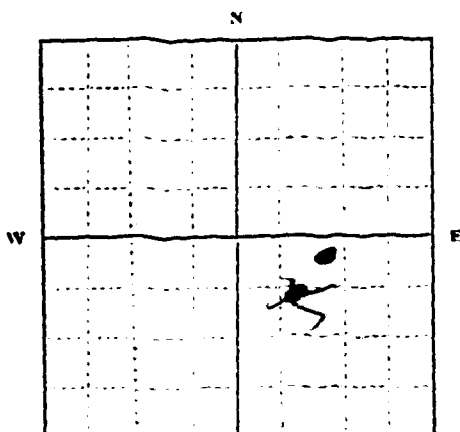
Date well started Aug 1 Date Completed Aug 6

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

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind	From (Feet)	To (Feet)
6	11 lbs	0	250	1 1/4" Sited	205	240



NW, SE, SW, NE Section 24, Range 1  
 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 160 feet.

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

Pumping Water Level 170 feet at 10 gal. per minute.

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

How Tested Bailed 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)

147  
 Driller's License Number

E. H. Cusker  
 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.

41.345

2820

FILED	
at 3:30	O'clock P.M.
AUG 29 1966	
<i>[Signature]</i>	
County Clerk & Recorder	
Deputy	

File No. ....

T 4 R 61

DUPLICATE

County Fallon

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

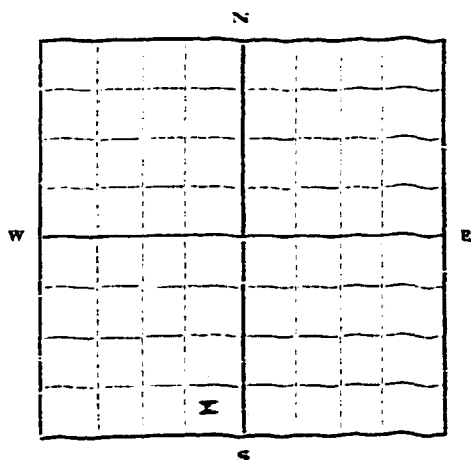
**RECEIVED**  
NOV 12 1963

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Richard Pollner of 12521 S.E. 170th Place, Renton, Wash.  
(Name of Appropriator) (Address) (Town)  
County of Fallon State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW 1/4 Sec. 33 T. 4 R. 61

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

2. The beneficial use on which the claim is based. Stock watering
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Sept. 15, 1959 and has been in use since that date.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump powered with gas motor.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Started drilling about Sept. 1, 1959.  
Completed Sept. 1, 1959.
8. The depth of water table. Approx. 150 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. Drilled well, 54 ft. - 5 in. hole, 55 ft. six inch casing, 156 ft. of 4 in. hole, 160 ft. 4 in. casing. Equipped with pump operated by gas engine.
10. The estimated amount of groundwater withdrawn each year. 275,000 gallons per year.
11. The log of formations encountered in the drilling of each well if available. Not available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Richard Pollner

Date October 30, 1963

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

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

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

138652

FILED	
at 10:45	CLOCK A.M.
NOV 8 1963	
<i>R. R. Stewart</i>	
County Clerk & Recorder	

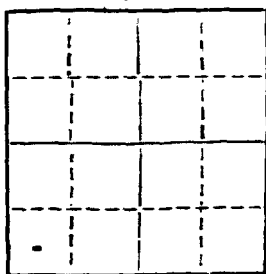
T 4 R 6'

33

County Fallon

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

## WATER WELL LOG



Owner Richard Fulmer Address Webster road  
Driller Henry Bunt Address Ekolaka road  
Date Started 9/7/59 Date Completed 9/15/59  
Location: Sec. 33 T. 4 R. 61 1/4 sec.

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

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

Casing: 0 ft. to 54 ft. Type flex tubing Size 6" ID

Casing: 60 ft. to 212 ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type flex tubing Size 4" ID

Perforated or Screened: Ft. 172 to ft. 212 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations 1/2" round holes on four sides

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

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

Pumping water level 122 feet at 14 gal. per min.

How tested: field and pump

Length of test 1 hr.

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

(over)

## Log of Well

Depth, feet		Description of Material Drilled
From	To	
2	3	top soil
3	13	light shale
13	36	sandy soil
36	40	land water tested
40	108	dark shale
108	151 1/2	clay
151 1/2	122	dark shale
122	128	clay
128	166	blue shale
166	170	Rock
170	210	land water

County FALLON

RECEIVED

## STATE ENGINEER

			X

<u>Driller</u>	<u>Address</u>
----------------	----------------

Date Started 4-1-61 Date Completed 4-1-61

Location: Sec. 34 T. 4 R. 61  $\frac{1}{4}$  sec. SE  $\frac{1}{4}$  SE  $\frac{1}{4}$

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

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

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: .....

Shut-in pressure for flowing well: \_\_\_\_\_ lb. sq. in. on: \_\_\_\_\_ (date)

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

**How tested:**.....

Length of test.....

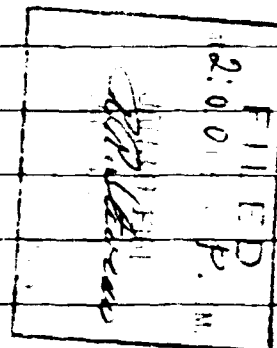
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)



# Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	14	sand
14	25	shale
25	41	sand - brown fine to medium to coarse
41	49	"
49	82	shale blue
82	102	shale blue
102	113	shale blue
113	125	shale blue
125	150	sand
150	153	sand stone beds
153	154	sand
154	155	shale



131337

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

T. 4N R. 61E

DUPLICATE

County Yellow

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

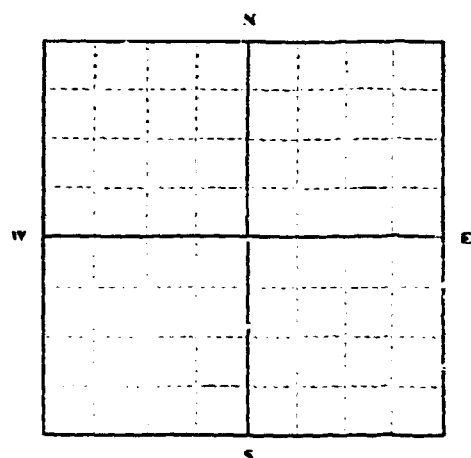
RECEIVED  
DEC 12 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. John McCreage of Route 101 Lebew  
(Name of Appropriator) (Address) (Town)  
County of Yellow State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. T. R.

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 59

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal

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 Pump and windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 59

8. The depth of water table 76 to 127

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 190 feet 12 1/2" casing - water raises to 90' from 110 at 16 gal per minute. 2 1/2" cyclone

10. The estimated amount of groundwater withdrawn each year 5

11. The log of formations encountered in the drilling of each well if available 0-54 Brown sand 54-70 Brown sand and clay 70-78 Blue clay 78-81 Dark Brown sand 81-92 Blue clay 92-96 Blue sand 96-127 Dark Brown sand 127-173 Blue sand 173-174 Rock 174-190 Blue 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

Signature of Owner John McCreage  
Date Dec 10-1963

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.

138961

FILED	
at <u>5:45</u> O'clock	<u>P</u> M.
DEC 10 1963	
<u>[Signature]</u>	
County Clerk & Recorder	
Deputy	

GROUNDWATER INDEX

Page \_\_\_\_ of \_\_\_\_

County

FALLON

Twp.

 $4N$ 

**Rge.**

69E

[illegible]

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

T 4-N R 6-R-E

QUADRUPLICATE

County Fallon 31

## LOG

Top of Ground

(Elev. above sea level \_\_\_\_\_)

76 BORED hole  
 82 TAN SAND  
 135 BLUEY WHITE SAND  
 167 GRAY SHALE

 STATE OF MONTANA  
 ADMINISTRATOR OF GROUNDWATER CODE  
 STATE WATER CONSERVATION BOARD

 Notice of Completion of Groundwater  
 Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner JOHN K. BUSLEY Address BARKER, MONTANADriller MERLE R. Bandy Address BELLE FOURCHES, D.

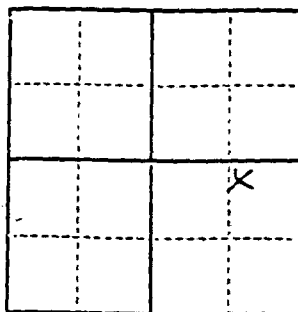
Date of Notice of appropriation of groundwater \_\_\_\_\_

Date well started 11-6-70 Date completed 12-9-70Type of well Drilled Equipment used Rotary  
 (Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
 Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
Bored	4 1/2" 25 lb	0	76			
7 1/2"	6 1/2" 20 lb	70	167	3/8" IS 3/8" IS water Torch	90	150

Doc. No. 10549  
 Filed for record  
 this 11 day of December  
 A. D. 19 70, at 11:40  
 o'clock AM.

Static Water Level for non-flowing well 60 feet.

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

Pumping Water Level 100 feetat 12 gal. per minute.

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

How Tested run inLength of Test 2 hours

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

NE 1/4 Sec 31 T4N R6E  
 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.

167

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

Merle R. Bandy  
 Driller's Signature.

47388

10548

EALLON COUNTY  
BAKER, MONTANA

Filed for Record

at 10.40 o'clock P.M.

DEC 1 1970

*Don Atkinson*  
County Clerk

Deputy

Fee: \$2.00

## GROUNDWATER INDEX

Page 1 of 1

County FALLON Twp. 3N Rge. 59E

[illegible]

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

T 3 N R 59 E

DUPLICATE

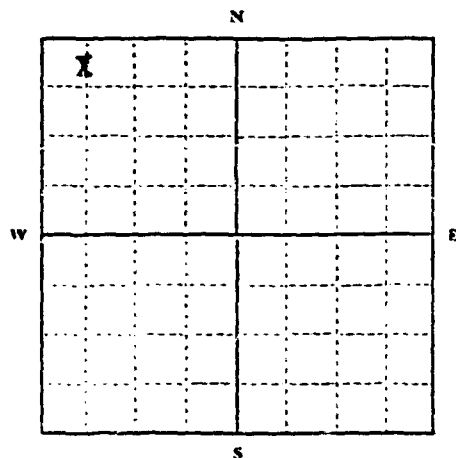
County Fallon

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Flaco S. Phibus, of Be'er Montana  
(Name of Appropriator) (Address) (Town)  
County of Fallon State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 of Sec. 3 T. 3N R. 59E

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

2. The beneficial use on which the claim is based Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept. 16, 1959 Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 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  
Not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
by cylinder pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater commenced Sept. 14, 1959---completed Sept. 16, 1959
8. The depth of water table 55 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 well- 15 in. concrete casing- 55 feet to bottom of well which is in coal.
10. The estimated amount of groundwater withdrawn each year 1,000,000 gallons
11. The log of formations encountered in the drilling of each well if available 15 feet surface gumbo- 30 feet gravel and sand- 10 feet lignite coal
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

Flaco S. Phibus

Date

Dec 19<sup>th</sup> 1963

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

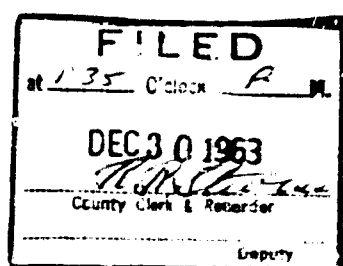
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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.

22213



139419

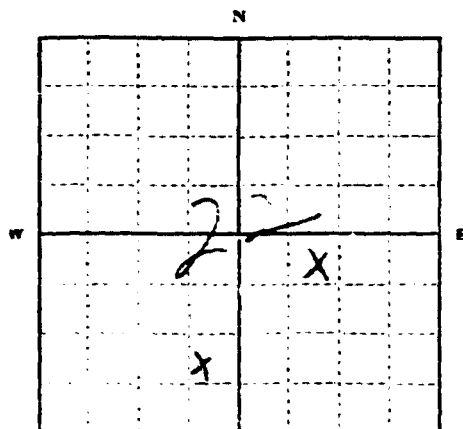


File No. \_\_\_\_\_

DUPLICATE

T. 3 N R 59 E  
County FallonSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
JAN 8 1964Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

William C. Jorgensen, et Willard Mont  
(Name of Appropriator) (Address) (Town)  
County of Fallon State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4  
SE 1/4  
Sec. 22 T. 3 R. 59

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

2. The beneficial use on which the claim is based stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been always
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 22 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 not app
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal spring
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater not app
8. The depth of water table not app
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 app
10. The estimated amount of groundwater withdrawn each year not app
11. The log of formations encountered in the drilling of each well if available not app
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. not app

Signature of Owner

William C. Jorgensen  
Date ec. 31 1963

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

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

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

139546

FILED	
at 1:45	O'clock P. M.
DEC 31 1963	
<i>[Signature]</i>	
County Clerk & Recorder	
Deputy	

RECEIVED

County Blaine 23

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 South Fork Apache Development Corp.

Address Baker, Mont

Date well started May 4

completed May 8

Type of well Bored

(Dug, driven, bored or drilled)

Equipment used Boring machine

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

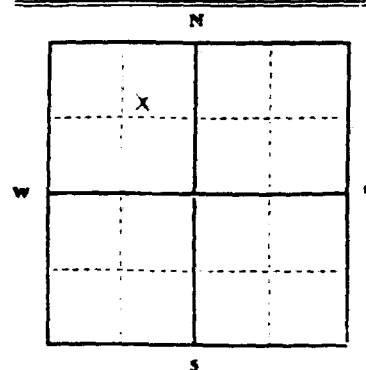
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*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 100,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
<u>24"</u>	<u>15" steel above ground copper coated joint culvert</u>	<u>0'</u>	<u>15'</u>	<u>4 holes 1/2" 13' 17'</u>



Section 14 Township 14 North Range 2 East

Static water level 12' ft.  
Pumping water level 27' ft.  
at 33 gallons per minute,  
measured 6 minutes after pumping began.  
\*Measured from ground level.  
Well developed by 2 1/2 hours.  
Power 0 Pump 0 HP  
Remarks: (Gravel packing, cementing packers, type of shutoff)

CASING WAS 2" GRAVEL PACKING

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

Driller's Signature M. P. Carroll

Driller's Address Box 127, Baker, Mont

LICENSE NO 216

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
<u>0</u>	<u>3</u>
<u>3</u>	<u>8</u>
<u>8</u>	<u>12</u>
<u>12</u>	<u>18</u>
<u>18</u>	<u>24</u>
<u>24</u>	<u>30</u>
<u>30</u>	<u>36</u>
<u>36</u>	<u>42</u>
<u>42</u>	<u>48</u>
<u>48</u>	<u>54</u>
<u>54</u>	<u>60</u>
<u>60</u>	<u>66</u>
<u>66</u>	<u>72</u>
<u>72</u>	<u>78</u>
<u>78</u>	<u>84</u>
<u>84</u>	<u>90</u>
<u>90</u>	<u>96</u>
<u>96</u>	<u>102</u>
<u>102</u>	<u>108</u>
<u>108</u>	<u>114</u>
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<u>138</u>	<u>144</u>
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<u>162</u>	<u>168</u>
<u>168</u>	<u>174</u>
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<u>180</u>	<u>186</u>
<u>186</u>	<u>192</u>
<u>192</u>	<u>198</u>
<u>198</u>	<u>204</u>
<u>204</u>	<u>210</u>
<u>210</u>	<u>216</u>
<u>216</u>	<u>222</u>
<u>222</u>	<u>228</u>
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<u>306</u>	<u>312</u>
<u>312</u>	<u>318</u>
<u>318</u>	<u>324</u>
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<u>954</u>	<u>960</u>
<u>960</u>	<u>966</u>
<u>966</u>	<u>972</u>
<u>972</u>	<u>978</u>
<u>978</u>	<u>984</u>
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<u>1230</u>	<u>1236</u>
<u>1236</u>	<u>1242</u>
<u>1242</u>	<u>1248</u>
<u>1248</u>	<u>1254</u>
<u>1254</u>	<u>1260</u>
<u>1260</u>	<u>1266</u>
<u>1266</u>	<u>1272</u>
<u>1272</u>	<u>1278</u>
<u>1278</u>	<u>1284</u>
<u>1284</u>	<u>1290</u>
<u>1290</u>	<u>1296</u>
<u>1296</u>	<u>1302</u>
<u>1302</u>	<u>1308</u>
<u>1308</u>	<u>1314</u>
<u>1314</u>	<u>1320</u>
<u>1320</u>	<u>1326</u>
<u>1326</u>	<u>1332</u>
<u>1332</u>	<u>1338</u>
<u>1338</u>	<u>1344</u>
<u>1344</u>	<u>1350</u>
<u>1350</u>	<u>1356</u>
<u>1356</u>	<u>1362</u>
<u>1362</u>	<u>1368</u>
<u>1368</u>	<u>1374</u>
<u>1374</u>	<u>1380</u>
<u>1380</u>	<u>1386</u>
<u>1386</u>	<u>1392</u>
<u>1392</u>	<u>1398</u>
<u>1398</u>	<u>1404</u>
<u>1404</u>	<u>1410</u>
<u>1410</u>	<u>1416</u>
<u>1416</u>	<u>1422</u>
<u>1422</u>	<u>1428</u>
<u>1428</u>	<u>1434</u>
<u>1434</u>	<u>1440</u>
<u>1440</u>	<u>1446</u>
<u>1446</u>	<u>1452</u>
<u>1452</u>	<u>1458</u>
<u>1458</u>	<u>1464</u>
<u>1464</u>	<u>1470</u>
<u>1470</u>	<u>1476</u>
<u>1476</u>	<u>1482</u>
<u>1482</u>	<u>1488</u>
<u>1488</u>	<u>1494</u>
<u>1494</u>	<u>1500</u>
<u>1500</u>	<u>1506</u>
<u>1506</u>	<u>1512</u>
<u>1512</u>	<u>1518</u>
<u>1518</u>	<u>1524</u>
<u>1524</u>	<u>1530</u>
<u>1530</u>	<u>1536</u>
<u>1536</u>	<u>1542</u>
<u>1542</u>	<u>1548</u>
<u>1548</u>	<u>1554</u>
<u>1554</u>	<u>1560</u>
<u>1560</u>	<u>1566</u>
<u>1566</u>	<u>1572</u>
<u>1572</u>	<u>1578</u>
<u>1578</u>	<u>1584</u>
<u>1584</u>	<u>1590</u>
<u>1590</u>	<u>1596</u>
<u>1596</u>	<u>1602</u>
<u>1602</u>	<u>1608</u>
<u>1608</u>	<u>1614</u>
<u>1614</u>	<u>1620</u>
<u>1620</u>	<u>1626</u>
<u>1626</u>	<u>1632</u>
<u>1632</u>	<u>1638</u>
<u>1638</u>	<u>1644</u>
<u>1644</u>	<u>1650</u>
<u>1650</u>	<u>1656</u>
<u>1656</u>	<u>1662</u>
<u>1662</u>	<u>1668</u>
<u>1668</u>	<u>1674</u>
<u>1674</u>	<u>1680</u>
<u>1680</u>	<u>1686</u>
<u>1686</u>	<u>1692</u>
<u>1692</u>	<u>1698</u>
<u>1698</u>	<u>1704</u>
<u>1704</u>	<u>1710</u>
<u>1710</u>	<u>1716</u>
<u>1716</u>	<u>1722</u>
<u>1722</u>	<u>1728</u>
<u>1728</u>	<u>1734</u>
<u>1734</u>	<u>1740</u>
<u>1740</u>	<u>1746</u>
<u>1746</u>	<u>1752</u>
<u>1752</u>	<u>1758</u>
<u>1758</u>	<u>1764</u>
<u>1764</u>	<u>1770</u>
<u>1770</u>	<u>1776</u>
<u>1776</u>	<u>1782</u>
<u>1782</u>	<u>1788</u>
<u>1788</u>	<u>1794</u>
<u>1794</u>	<u>1800</u>
<u>1800</u>	<u>1806</u>
<u>1806</u>	<u>1812</u>
<u>1812</u>	<u>1818</u>
<u>1818</u>	<u>1824</u>
<u>1824</u>	<u>1830</u>
<u>1830</u>	<u>1836</u>
<u>1836</u>	<u>1842</u>
<u>1842</u>	<u>1848</u>
<u>1848</u>	<u>1854</u>
<u>1854</u>	<u>1860</u>
<u>1860</u>	<u>1866</u>
<u>1866</u>	<u>1872</u>
<u>1872</u>	<u>1878</u>
<u>1878</u>	<u>1884</u>
<u>1884</u>	<u>1890</u>
<u>1890</u>	<u>1896</u>
<u>1896</u>	<u>1902</u>
<u>1902</u>	<u>1908</u>
<u>1908</u>	<u>1914</u>
<u>1914</u>	<u>1920</u>
<u>1920</u>	<u>1926</u>
<u>1926</u>	<u>1932</u>
<u>1932</u>	<u>1938</u>
<u>1938</u>	<u>1944</u>
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<u>1950</u>	<u>1956</u>
<u>1956</u>	<u>1962</u>
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<u>1968</u>	<u>1974</u>
<u>1974</u>	<u>1980</u>
<u>1980</u>	<u>1986</u>

14798

FALLON COUNTY  
BAKER, MONTANA

Filed for Record

at 10:55 o'clock P.M

JUN 29 1973

Ben A. Kinn  
County Clerk

Fee: \$2.00 Deputy

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

DUPLICATE

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

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

Top of Ground  
6 SURFACE  
(Elev. above sea level \_\_\_\_\_)  
20 TAN SANDY CLAY STREAKS OF  
TAN SAND  
30 BLUE SANDY SHALE  
39 BROWN & GRAY SHALE  
TRACE OF COAL  
66 LIGHT GRAY SHALE  
74 GRAY & DARK GRAY SHALE  
77 COAL  
106 GRAY SHALE  
110 BLUE SAND  
145 GRAY SHALE STREAKS OF COAL  
156 WHITE & LIGHT GRAY SANDY SHALE  
161 GRAY SHALE  
162 SAND ROCK  
192 WHITE & LIGHT GRAY SANDY SHALE  
193 SAND ROCK  
245 WHITE SAND STREAKS  
OF SANDY SHALE  
265 GRAY SHALE STREAKS  
OF COAL  
274 WHITE SAND  
286 GRAY SHALE  
325 WHITE & LIGHT BLUE SAND  
340 GRAY SHALE

Owner William C. J. J. J. J. J. Address Willard Mont.  
Driller MERLE R. Bandy Address BELLE FOURCHIE, S.D.

Date of Notice of appropriation of groundwater \_\_\_\_\_  
Date well started 7-23-70 Date completed 7-28-70

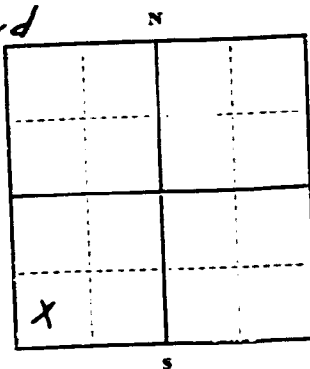
Type of well DRILLED Equipment used ROTARY  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 7/8	4 in ID.	0	237			
3 7/8	10.89					

Doc. No. 12383  
Filed for record  
this 5 day of JANUARY  
A.D. 19 72 at 3:40  
o'clock P.M.



Static Water Level for non-flowing well  
11 1/2 feet.

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

Pumping Water Level 240 feet

at 25 gal. per minute.

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

How Tested pumped

Length of Test 1 hour

Remarks: (Gravel packing, cementing, pack-  
ers, type of shutoff) Cementation &

SW 1/4 Sec. 23 T. 3-N R. 59-E  
Indicate location of well and  
place of use, if possible. Each  
small square represents 40  
acres.

gravel packed 6 months  
after drilling camp

(Continue on reverse side)

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

Show exact depth of bottom.

340  
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

112  
Merle R. Bandy  
Driller's Signature.

49,691

12383

FALLON COUNTY  
BAKER, MONTANA

Filed for Record

at 3:40 clock PM

JAN 5 1972

Tara Atkinson  
County Clerk

Deputy

Fee: \$2.00

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

DUPLICATE

T 3N R 59ECounty Fallon

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

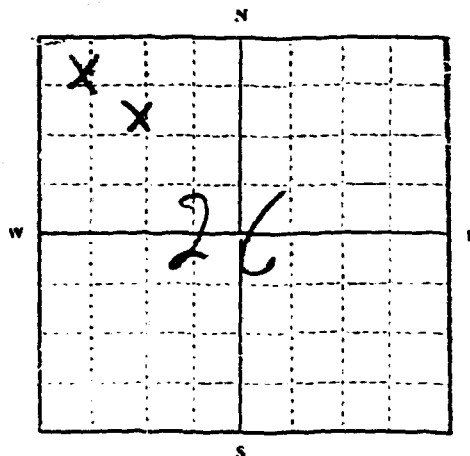
RECEIVED  
DEC 6 1964

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. William C. Jespersen, of Willard MONT  
(Name of Appropriator) (Address) (Town)

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



NW  $\frac{1}{4}$  Sec 26 T 3 R 59E

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 water for live stock

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

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 not app.

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

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

8. The depth of water table not app. spring

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 app.

10. The estimated amount of groundwater withdrawn each year not app.

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

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

Signature of owner: William C. Jespersen

Date Dec. 31, 1963

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

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

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

2255



139545

FILED
at 1:45 O'clock P. M.
DEC 31 1963
<i>[Signature]</i>
County Clerk & Recorder
Deputy

## GROUNDWATER INDEX

Page 1 of 1

County Fallon Twp. 3N Rge. 60E

[illegible]

File No.

4302

MONTANA WATER RESOURCES BOARD

T 3 R 60

DUPLICATE

RECEIVED

County Fallon

LOG

AUG 30 1967

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level \_\_\_\_\_)

Notice of Completion of Groundwater  
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

0702 Top Soil  
2-3 Coal Drust  
2755 Sandy Clay  
5570-65 Coal + Sand Seep Vein  
65-168 Slick Clay  
168-210 Sand & Shale Rock  
210-220 Dark Clay  
NG.

Owner ART THONSTED Address Baker, MONTDriller E. H. Calkin Address Baker, MONT.

Date of Notice of appropriation of groundwater \_\_\_\_\_

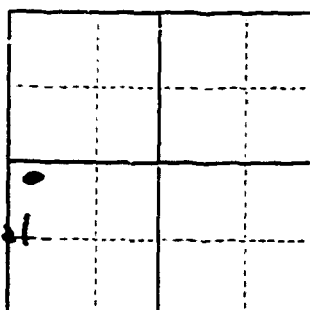
Date well started May 20Date completed July 23Type of well drilled Equipment used Rotary  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

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

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4" 14/165	0	316			
4 1/2"	3" 21/13	316	700	3 Rows 1/4" slots	660	700

Cont. from 121 100

220 to 237 Clay  
237 to 279 Sand & Rock  
279 to 308 Clay  
308 to 580 Dark Clay & Coal  
580 to 582 Coal  
582 to 660 Dark Clay  
660 to 665 Hard Rock  
665 to 700 Sand, 1/4" SW



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

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

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

Pumping Water Level 240 feetat 6 gal. per minute.

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

How Tested BailedLength of Test 3 hrs

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

16 ft of 4" 10 Drills1st 1/2 Hole 2' Rock @ The Top of Seal.

(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).

700 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.

710 147 Driller's License Number

Driller's Signature

72,243

4302

<b>FILED</b>
at 2:30 O'clock <u>2</u> M.
<i>Ben A. Kerner</i> AUG 28 1967 County Clerk & Recorder
Deputy