

198625

RECORDED

STATE OF MONTANA } ss.  
County of Big Horn }

The within instrument was filed  
in my office at Hardin, Montana, this

APR 5 1962 day of

A. D. 19

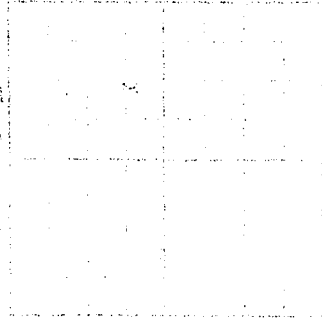
at 8:25 o'clock A.M.

*Harry E. Cas*  
County Recorder

By *Ruby Wemple* Deputy

75 300

1962



COPIES OF THIS INSTRUMENT  
FILED IN THE OFFICE OF THE  
COUNTY CLERK AT HARDIN, MONTANA  
ON APRIL 5, 1962

RECORDED

75 300

1962

1962

1962

1962

1962

## GROUNDWATER INDEX

Page 1 of 1

County Big Horn Twp. 1 S Rge. 35 E

[illegible]

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

## STATE WATER CONSERVATION BOARD

T 1 South R 35 East

TRIPLICATE

JUL 13 1967

County **BIG HORN**

LOG

Billie \_\_\_\_\_ McDermott  
 Butcher \_\_\_\_\_ McNulty  
 Coyle \_\_\_\_\_ Morton  
 Darlington \_\_\_\_\_ Sullivan  
 Dickert \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

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

0 - Top soil  
 8 - 47 Sandy soil.  
 47 - 52 Rock.  
 52 - 60 Sandstone.  
 60 - 72 Blue shale.  
 72 - 75 Rock.  
 75 - 110 Blue shale.  
 110 - 112 Rock.  
 112 - 180 Blue shale.  
 180 - 184 Rock.  
 184 - 231 Blue shale.  
 231 - 233 Rock.  
 233 - 297 Blue shale.  
 297 - 305 Sand (WATER)

Notice of Completion of Groundwater  
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner **SCOTT LAND & LIVESTOCK** Address \_\_\_\_\_Driller **C.T. REID** Address **SHERIDAN, WYO. 446 E. MT. VIEW DR.**

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

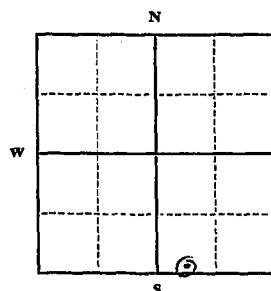
Date well started **6-5-1967** Date completed **6-9-67**

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)
6"	4" 10.87	Top	305'	SLITS CUT.	200	305

Static Water Level for non-flowing well **41'** feet.

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

Pumping Water Level **150'** feet at **2** gal. per minute.

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

How Tested **Bailed and pumped**Length of Test **10 1/2 hrs.**

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

SW 1/4 Sec. 1 T. 15. R. 35E

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.

90

Driller's License Number

*C.T. Reid*  
Driller's Signature

42,134

219591

STATE OF MONTANA }  
County of Big Horn } ss.

The within instrument was filed  
in my office at Hardin, Montana, this

JUL 12 1967 day of

A. D. 19

at 11:40 o'clock AM.

Henry E. Carl  
County Recorder

By Robert W. Temple Deputy

RECORDED

INDEXED

FILED

1967

JUL 12

11:40 AM

219591

Big Horn

Montana

1967

JUL 12

11:40 AM

219591

Big Horn

Montana

1967

JUL 12

11:40 AM

219591

Big Horn

Montana

1967

File No. ....

T. 18 R. 35E

DUPLICATE  
STATE WATER CONSERVATION BOARD

County Big Horn

APR 24 1967

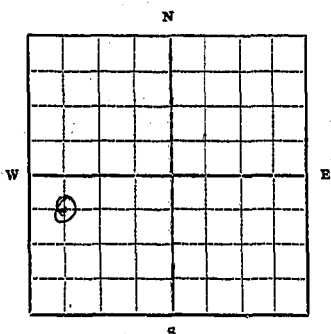
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Billie \_\_\_\_\_ McDermott \_\_\_\_\_  
Butzerin \_\_\_\_\_ McNulty \_\_\_\_\_  
Coyle \_\_\_\_\_ Morton \_\_\_\_\_  
Darlington \_\_\_\_\_ Sullivan \_\_\_\_\_  
Dickert \_\_\_\_\_

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

1. Scott Land and Livestock, Co, of Ranchester  
(Name of Appropriator) (Address) (Town)

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



NW 1/4 SW 1/4 Sec. 8 T. 18 R. 35E

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 is stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been not known  
well is in use throughout the year
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons/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 is a pump powered by an electric motor
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 50'
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 depth 120', 120' of 6" casing, 110' of 1 1/2" pipe
10. The estimated amount of groundwater withdrawn each year 150,000 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

Scott Land & Livestock Co.  
Signature of Owner By: Brad Spear  
Date 4-1-67

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

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

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

41,927

218907

File No.

STATE OF MONTANA

County of Big Horn

The within instrument was filed  
In my office at Hardin, Montana, this

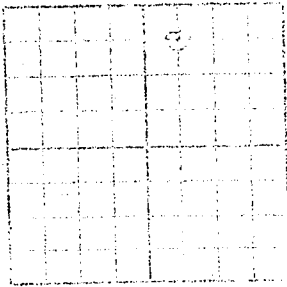
APR 20 1967

day of

A.D. 19

at 10:38 o'clock AM.

By [Signature] County Recorder  
Deputy



NOTARIAL PUBLIC

My commission expires

on the day of

at the County of Big Horn, Montana

My term of office

commences on the

day of

1967

## STATE WATER CONSERVATION BOARD

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

T. 19 R. 35E

APR 24 1967

DUPLICATE

Bille \_\_\_\_\_ McDermott \_\_\_\_\_

County Big Horn

Boyer \_\_\_\_\_ McNulty \_\_\_\_\_

STATE OF MONTANA

Coyla \_\_\_\_\_ Morton \_\_\_\_\_

ADMINISTRATOR OF GROUNDWATER CODE

Darlington \_\_\_\_\_ Sullivan \_\_\_\_\_

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)

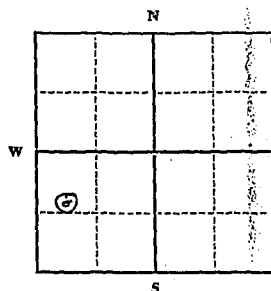
Owner Scott Land and Livestock Co. Ranchester, WyoDriller Scott L&L Address Ranchester, Wyo.

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

Date well started June 1964 Date completed June 1964Type 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"	0'	135'	none		



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

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

Pumping Water Level \_\_\_\_\_ feet

at 20 gal. per minute.

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

How Tested bailer

Length of Test \_\_\_\_\_

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.

Driller's License Number

Scott Land &amp; Livestock Co.

By: Scott Spear (Agent)

Driller's Signature

41,893

218906

200

STATE OF MONTANA  
County of Blaine

The within instrument was filed  
in my office at Hardin, Montana, this

APR 20 1967

day of

A.D. 19

At 10:36 o'clock A.M.

County Recorder

BY Rubén C. Cárdenas Deputy

~~RECEIVED BY THE  
OFFICE OF THE SECRETARY OF THE ARMY  
WASHINGTON, D.C.  
JAN 10 1968~~

[illegible][illegible]

# Introduction

**THE UNIVERSITY OF CHICAGO**

[illegible]

THE UNIVERSITY OF CHICAGO

[illegible]

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

1956  
1957  
1958  
1959  
1960  
1961  
1962  
1963  
1964  
1965  
1966  
1967  
1968  
1969  
1970  
1971  
1972  
1973  
1974  
1975  
1976  
1977  
1978  
1979  
1980  
1981  
1982  
1983  
1984  
1985  
1986  
1987  
1988  
1989  
1990  
1991  
1992  
1993  
1994  
1995  
1996  
1997  
1998  
1999  
2000  
2001  
2002  
2003  
2004  
2005  
2006  
2007  
2008  
2009  
2010  
2011  
2012  
2013  
2014  
2015  
2016  
2017  
2018  
2019  
2020  
2021  
2022  
2023  
2024  
2025  
2026  
2027  
2028  
2029  
2030  
2031  
2032  
2033  
2034  
2035  
2036  
2037  
2038  
2039  
2040  
2041  
2042  
2043  
2044  
2045  
2046  
2047  
2048  
2049  
2050  
2051  
2052  
2053  
2054  
2055  
2056  
2057  
2058  
2059  
2060  
2061  
2062  
2063  
2064  
2065  
2066  
2067  
2068  
2069  
2070  
2071  
2072  
2073  
2074  
2075  
2076  
2077  
2078  
2079  
2080  
2081  
2082  
2083  
2084  
2085  
2086  
2087  
2088  
2089  
2090  
2091  
2092  
2093  
2094  
2095  
2096  
2097  
2098  
2099  
2100  
2101  
2102  
2103  
2104  
2105  
2106  
2107  
2108  
2109  
2110  
2111  
2112  
2113  
2114  
2115  
2116  
2117  
2118  
2119  
2120  
2121  
2122  
2123  
2124  
2125  
2126  
2127  
2128  
2129  
2130  
2131  
2132  
2133  
2134  
2135  
2136  
2137  
2138  
2139  
2140  
2141  
2142  
2143  
2144  
2145  
2146  
2147  
2148  
2149  
2150  
2151  
2152  
2153  
2154  
2155  
2156  
2157  
2158  
2159  
2160  
2161  
2162  
2163  
2164  
2165  
2166  
2167  
2168  
2169  
2170  
2171  
2172  
2173  
2174  
2175  
2176  
2177  
2178  
2179  
2180  
2181  
2182  
2183  
2184  
2185  
2186  
2187  
2188  
2189  
2190  
2191  
2192  
2193  
2194  
2195  
2196  
2197  
2198  
2199  
2200  
2201  
2202  
2203  
2204  
2205  
2206  
2207  
2208  
2209  
2210  
2211  
2212  
2213  
2214  
2215  
2216  
2217  
2218  
2219  
2220  
2221  
2222  
2223  
2224  
2225  
2226  
2227  
2228  
2229  
2230  
2231  
2232  
2233  
2234  
2235  
2236  
2237  
2238  
2239  
2240  
2241  
2242  
2243  
2244  
2245  
2246  
2247  
2248  
2249  
2250  
2251  
2252  
2253  
2254  
2255  
2256  
2257  
2258  
2259  
2260  
2261  
2262  
2263  
2264  
2265  
2266  
2267  
2268  
2269  
2270  
2271  
2272  
2273  
2274  
2275  
2276  
2277  
2278  
2279  
2280  
2281  
2282  
2283  
2284  
2285  
2286  
2287  
2288  
2289  
2290  
2291  
2292  
2293  
2294  
2295  
2296  
2297  
2298  
2299  
2300  
2301  
2302  
2303  
2304  
2305  
2306  
2307  
2308  
2309  
2310  
2311  
2312  
2313  
2314  
2315  
2316  
2317  
2318  
2319  
2320  
2321  
2322  
2323  
2324  
2325  
2326  
2327  
2328  
2329  
2330  
2331  
2332  
2333  
2334  
2335  
2336  
2337  
2338  
2339  
2340  
2341  
2342  
2343  
2344  
2345  
2346  
2347  
2348  
2349  
2350  
2351  
2352  
2353  
2354  
2355  
2356  
2357  
2358  
2359  
2360  
2361  
2362  
2363  
2364  
2365  
2366  
2367  
2368  
2369  
2370  
2371  
2372  
2373  
2374  
2375  
2376  
2377  
2378  
2379  
2380  
2381  
2382  
2383  
2384  
2385  
2386  
2387  
2388  
2389  
2390  
2391  
2392  
2393  
2394  
2395  
2396  
2397  
2398  
2399  
2400  
2401  
2402  
2403  
2404  
2405  
2406  
2407  
2408  
2409  
2410  
2411  
2412  
2413  
2414  
2415  
2416  
2417  
2418  
2419  
2420  
2421  
2422  
2423  
2424  
2425  
2426  
2427  
2428  
2429  
2430  
2431  
2432  
2433  
2434  
2435  
2436  
2437  
2438  
2439  
2440  
2441  
2442  
2443  
2444  
2445  
2446  
2447  
2448  
2449  
2450  
2451  
2452  
2453  
2454  
2455  
2456  
2457  
2458  
2459  
2460  
2461  
2462  
2463  
2464  
2465  
2466  
2467  
2468  
2469  
2470  
2471  
2472  
2473  
2474  
2475  
2476  
2477  
2478  
2479  
2480  
2481  
2482  
2483  
2484  
2485  
2486  
2487  
2488  
2489  
2490  
2491  
2492  
2493  
2494  
2495  
2496  
2497  
2498  
2499  
2500  
2501  
2502  
2503  
2504  
2505  
2506  
2507  
2508  
2509  
2510  
2511  
2512  
2513  
2514  
2515  
2516  
2517  
2518  
2519  
2520  
2521  
2522  
2523  
2524  
2525  
2526  
2527  
2528  
2529  
2530  
2531  
2532  
2533  
2534  
2535  
2536  
2537  
2538  
2539  
2540  
2541  
2542  
2543  
2544  
2545  
2546  
2547  
2548  
2549  
2550  
2551  
2552  
2553  
2554  
2555  
2556  
2557  
2558  
2559  
2560  
2561  
2562  
2563  
2564  
2565  
2566  
2567  
2568  
2569  
2570  
2571  
2572  
2573  
2574  
2575  
2576  
2577  
2578  
2579  
2580  
2581  
2582  
2583  
2584  
2585  
2586  
2587  
2588  
2589  
2590  
2591  
2592  
2593  
2594  
2595  
2596  
2597  
2598  
2599  
2600  
2601  
2602  
2603  
2604  
2605  
2606  
2607  
2608  
2609  
2610  
2611  
2612  
2613  
2614  
2615  
2616  
2617  
2618  
2619  
2620  
2621  
2622  
2623  
2624  
2625  
2626  
2627  
2628  
2629  
2630  
2631  
2632  
2633  
2634  
2635  
2636  
2637  
26

[illegible][illegible]

Figure 1 illustrates the experimental setup. A subject is seated at a table, viewing a video screen. A camera is positioned above the screen. A light source is positioned to the left of the screen. A target is positioned on the screen. The subject's hand is positioned near the target. The diagram shows the relative positions of the subject, camera, light source, target, and hand.

1

10-11-68

1. The first part of the document is a list of names and their corresponding addresses. The names are listed in the left column, and the addresses are listed in the right column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

Shipping Notice 1920

Disputed in vol. 2, p. 210 & 211

\_\_\_\_\_

[illegible]



# GROUNDWATER INDEX

Page

County Big Horn

Twp. 1 S

Rge. 36 E

Misfiled

[illegible]

File No. ....

DUPLICATE

T 1 South R 36 East

County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

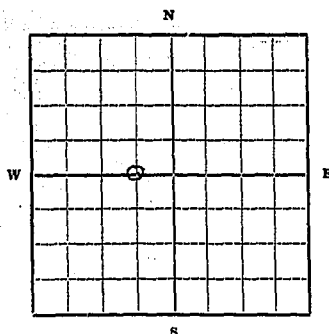
RECEIVED  
JAN 8 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. George C. & Edwin A. Miller, of Hardin  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NW 1/4 Sec 1 T 1 S R 36 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 Stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept. 1951 continuously
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 Not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pumped by windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater September 1951
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 32' of 4" casing, 30' of 1 1/2" drop pipe with 3" cylinder at bottom
10. The estimated amount of groundwater withdrawn each year 225,000 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. None

Signature of Owner

Edwin A. Miller  
George C. Miller

Date 12-30-63

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 School of Mines and Quadruplicate for the Appropriator.

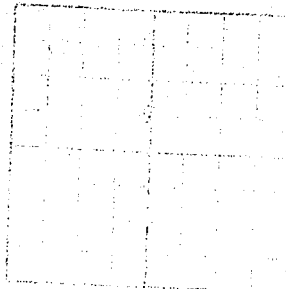
26744

206451

STATE OF MONTANA  
County of Big Horn } ss.  
The within instrument was filed  
in my office at Hardin, Montana, this  
DEC 30 1965 day of

A.D. 19  
at 4:00 o'clock P.M.

*Henry E. [Signature]*  
County Recorder  
By *Walter W. [Signature]* Deputy



File No. ....

T1 South R 36 East

DUPLICATE

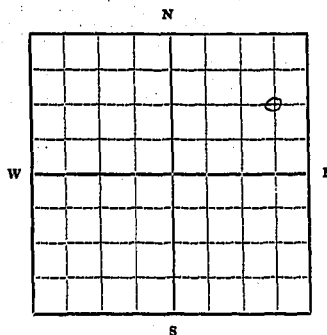
County Big Horn

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. George C. & Edwin A. Miller, of Hardin  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 3 T1S R. 36E

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
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935 continuously
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pumped by windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1935
8. The depth of water table 140 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 140' of 2" drop pipe with 2"x36" cylinder at bottom
10. The estimated amount of groundwater withdrawn each year 225,000 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. None

Signature of Owner Edwin A. Miller  
George C. Miller

Date 12-30-63

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 School of Mines and Quadruplicate for the Appropriator.

26745

206452  
BIO NO

STATE OF MONTANA } ss.  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this

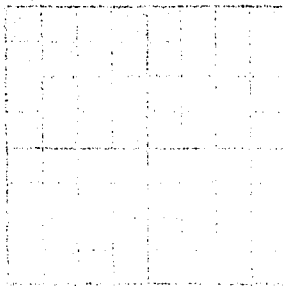
DEC 30 1963 day of

A. D. 19

at 4:02 o'clock P.M.

Harry E. Cox  
County Recorder

By Ruby W. Doyle Deputy



1. The shape of water table  
2. The shape of water table  
3. The shape of water table  
4. The shape of water table  
5. The shape of water table  
6. The shape of water table  
7. The shape of water table  
8. The shape of water table  
9. The shape of water table  
10. The shape of water table

1. The shape of water table  
2. The shape of water table  
3. The shape of water table  
4. The shape of water table  
5. The shape of water table  
6. The shape of water table  
7. The shape of water table  
8. The shape of water table  
9. The shape of water table  
10. The shape of water table

GW2

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

DUPLICATE

State of Montana  
Office of State Engineer

Top of Ground

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

0 - 38 Clay

38 - Gravel

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)

T 1 S R 36 E

County Big HornRECEIVED  
DEC 27 1962

STATE ENGINEER

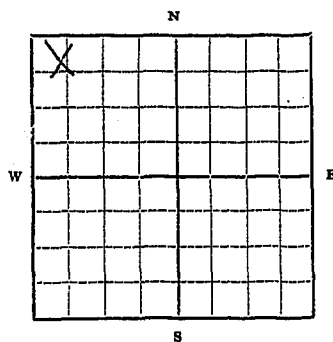
Owner Frank Newhold Address Hardin Box 178Driller Henry Kray Address Hardin

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

Date well started 12-2-62 Date Completed 12-18-62Type of well Drilled Equipment Used Cable Tool  
(dug, driven, bored or (Churn, drill, rotary or  
drilled) 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)
7"	6" 10.5#		42			

..... $\frac{1}{4}$ ..... Sec.....5. T...13R...36

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.....25.....feet.

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

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

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

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

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of

acres irrigated, if used for irrigation) .....

59

Driller's License Number

Henry Kray  
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 School of Mines and Quadruplicate for the Appropriator.

2854

5/15/20

	Number of Tests
Discharge in gal. per min. of flowing well	.....
Pumping Water Level	..... feet at .....
Static Water Level for Flowing Well	..... feet
Static Water Level for Non-flowing Well	..... feet

File No. 214T. 13 R. 35E

DUPLICATE

County Big Horn

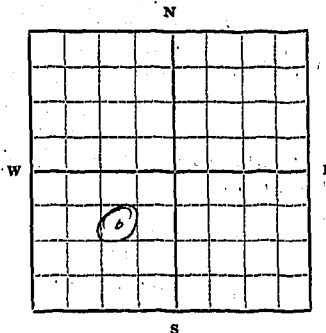
STATE WATER CONSERVATION BOARD STATE OF MONTANA  
 APR 24 1967 ADMINISTRATOR OF GROUNDWATER CODE  
 OFFICE OF STATE ENGINEER

Billie \_\_\_\_\_ McDermott \_\_\_\_\_  
 Butcherin \_\_\_\_\_ McNulty \_\_\_\_\_  
 Coyle \_\_\_\_\_ Morton \_\_\_\_\_  
 Darlington \_\_\_\_\_ Sullivan \_\_\_\_\_  
 Dickert \_\_\_\_\_

### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Scott Land and Livestock, Co. of Ranchester  
 (Name of Appropriator) (Address) (Town)  
 County of Sheridan State of Wyoming  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SW 1/4 Sec. 8 T. 13 R. 35E

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 is stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been not known  
well is in use six months out of the year
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons/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 is a pump powered by a gasoline engine
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 35'
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 depth 100', 100' of 6" casing, 60' of 1/2" pipe
10. The estimated amount of groundwater withdrawn each year 63,800 gallons
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

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

Date 4-1-67

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

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

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

411926

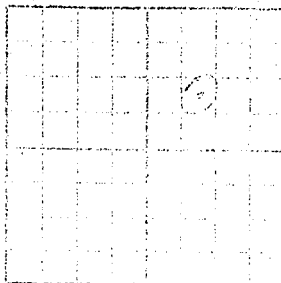


218905

STATE OF MONTANA  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this  
APR 20 1967 day of

at 10:34 o'clock A.M.  
County Recorder  
By Deputy



1. The date of commencement and completion of the construction of the well, wells or other works for which...
2. The depth of water table...
3. The date of construction...
4. The date of construction...
5. The date of construction...
6. The date of construction...
7. The date of construction...
8. The date of construction...
9. The date of construction...
10. The date of construction...

File No. 216 4T 1S R 36E

DUPLICATE

County Big Horn

STATE WATER CONSERVATION BOARD

STATE OF MONTANA

APR 24 1967

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Bills \_\_\_\_\_ McDermott \_\_\_\_\_

Butzerin \_\_\_\_\_ At Nulty \_\_\_\_\_

Coyle \_\_\_\_\_

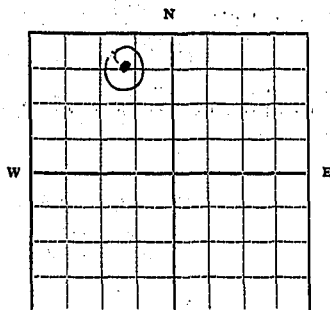
Darlington \_\_\_\_\_

Dickert \_\_\_\_\_

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. **Scott Land and Livestock, Co.**, of **Ranchester**  
 (Name of Appropriator) (Address) (Town)  
 County of **Sheridan** State of **Wyoming**  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE  $\frac{1}{4}$  NW 36 Sec. 12 T 1S R 36E

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 is stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been not known  
well is in use six months out of the year
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons/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 is a pump powered by a windmill
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 80'
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 depth- 120', 4" casing, 2 1/2" cylinder, steel sucker rod, 100' of pipe
10. The estimated amount of groundwater withdrawn each year 43,200 gallons
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

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 School of Mines and Quadruplicate for the Appropriator.

41,925

五

Comda 176 2000  
T 18 2000

[illegible]

# GROUNDWATER INDEX

Page / of /

County Big Horn

Twp. 7 S

Rge. ~~37~~ 37 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Westmoreland Resources	GW2	240565	
1	Westmoreland Resources	GW2	240563	
1	Westmoreland Resources	GW3	240553	and 240554
2	Thrower, Rex B.	GW2	235372	
2	Thrower, Rex B.	GW2	235372	
3	Thrower, Rex B.	GW2	235374	
3	Thrower, Rex B.	GW2	235373	
3	Thrower, Rex B.	GW2	235373	
3	Thrower, Rex B.	GW2	235374	
4	Criswell, Lucia T.	GW4	206349	
4	Criswell, Lucia T.	GW4	206350	
5	Stoddard, Frank	GW4	206762	
6	Remine, James	GW4	206394	
11	Thrower, Rex B.	GW2	235371	
11/23	Thrower, Rex B.	GW2	235375	
11	Thrower, Rex B.	GW2	235371	
12	Peters, Joe & Pauline	GW4	206169	
13	Peters, Joe & Pauline	GW4	206168	
15	Scott Land & Livestock	GW4	218901	
27	Scott Land & Livestock	GW4	218999	
30	Scott Land & Livestock	GW4	218902	
32	Thrower, Rex B.	GW2	235375	
33	Scott Land & Livestock	GW4	218900	
36	Scott Land & Livestock	GW4	218904	
7	ATKINS, Russell	GW 3	206310	

County.....**Big Horn**

## DRILLER'S LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

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.

# 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.

## Top of Ground

(Elev. above sea level)

3805

Owner Westmoreland Resources

Address **Box 449**

Hardin, Montana 59034

Date well started

completed **1978**

Type of well drilled

.....  
(Dug, driven, bored or drilled)

Equipment used rotary

.....  
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

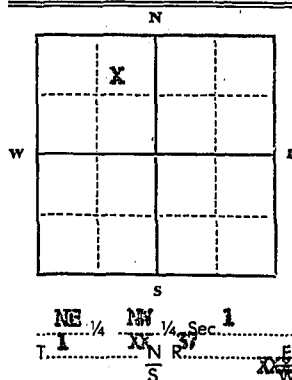
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☒

**\*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 200,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)



Static water level not known ft.\*  
Pumping water level ..... ft.\*  
at 5 .....gallons per minute,  
measured .....minutes after pumping  
began.

\*Measured from ground level.

Well developed by .....

for ~~24 hours~~ hours.

Power ~~electric~~ Pump..... HP

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

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

Driller's Signature Peabody Coal - exploration hole

Driller's Address

LICENSE NO.

300'

Show exact depth of bottom

54562

240565

STATE OF MONTANA } ss.  
County of Big Horn }

The within instrument was filed  
in my office at Hardin, Montana, this

JUN 28 1973 day of

A. D. 19

at 4:31 o'clock P.M.

  
County Recorder

By \_\_\_\_\_ Depu

County Big Horn

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 Westmoreland Resources

Address Box 449

Hardin, Montana 59034

Date well started

completed ..... 1970

Type of well ..... drilled

(Dug, driven, bored or drilled)

Equipment used Rotary

(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 **75,000 gallons**

[illegible]

NE 1/4 NW 1/4 Sec 1

T. 1 N. R. 3 W. E. 1/4

Static water level .....100.....ft.\*  
Pumping water level .....ft.\*  
at .....4.....gallons per minute,  
measured .....minutes after pumping  
began.

\*Measured from ground level.

Well developed by .....  
for .....hours.

Power **electric** Pump..... HP

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

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

Driller's Signature Peabody Coal - exploration hole

Driller's Address **Not known**

LICENSE NO. ....

## 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)

3490

Log Not Available
-------------------

**180'** Show exact depth of bottom

6-4560

240563

STATE OF MONTANA } ss.  
County of Big Horn }

The within instrument was filed  
in my office at Hardin, Montana, this

JUN 28 1973 day

A. D. 19

at 4:29 o'clock P. M.

*Jay L. Lippard*  
County Recorder

90

Page



RECEIVED

JUL 2 1973

STATE PUBLISHING CO., LITHO

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION  
STATE OF MONTANA

County Big Horn

ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

54550

# 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 240553  
June 28, 1973  
GW 1 4:19 p.m.

Owner Westmoreland Resources

Address Box 449, Hardin, Montana 59034

Contractor (if any) \_\_\_\_\_

Address of Contractor \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

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

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

gravity

3. Depth of water table at surface

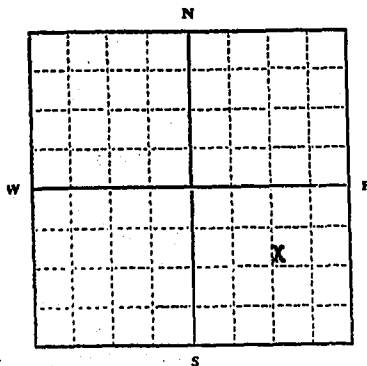
4. Use of the water stockwater

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

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

7. Estimate amount of water used each year 100,000 gallons

8. Months of year spring flows 12



NE 1/4 SE 1/4 Sec 1  
T. 1 N. R. 37 E  
S. NW

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.  
Elevation of spring, if known or estimated 3545

Signature of Owner Matthew L. Judo

Date June 28, 1973

54550

240553

STATE OF MONTANA  
County of Big Horn } ss.

The within instrument was filed  
in my office at Hardin, Montana, this

JUN 28 1973 day of

A.D. 19....

at 4:19 o'clock P.M.

*Joseph L. ...*  
County Recorder  
*Barth J. ...*

... ..

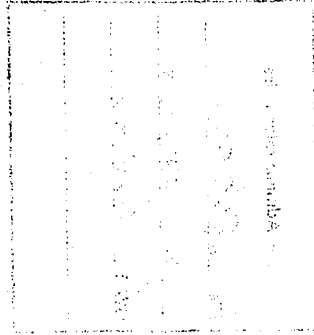
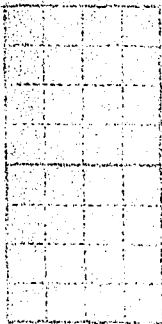
... ..

... ..

... ..

... ..

... ..



RECEIVED

STATE PUBLISHING CO.-LITHO

MONTANA DEPARTMENT OF NATURAL  
RESOURCES AND CONSERVATION

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

County Big Horn

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELLS

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 246554

June 28, 1973

GW 1 4:20 p.m.

Owner Westmoreland Resources

Address Box 449, Hardin, Montana 59034

Contractor (if any) \_\_\_\_\_

Address of Contractor \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

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

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

3. Depth of water table at surface

4. Use of the water stock water

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

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

7. Estimate amount of water used each year 100,000

8. Months of year spring flows 12

Signature of Owner

Matthew A. Judo

Date

June 28, 1973

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

Elevation of spring, if known or estimated 3530

NW 1/4 NW 1/4 Sec. 1

T. 1 S. 37 E. 37

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

Elevation of spring, if known or estimated 3530

NW 1/4 NW 1/4 Sec. 1

T. 1 S. 37 E. 37

5-4551

240554

STATE OF MONTANA } ss.  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this

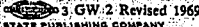
JUN 28 1973 day of

A. D. 19.....

at 420 o'clock M.

*Joyce Lippert*  
County Recorder

*Deputy Jones* Deputy



County Big Horn<sup>2</sup>

APR 14 1972

## DRILLER'S LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

# NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

**Developed after January 1, 1962**

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.

(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: Rex B. Throver

Address H 4 5 4 9 27

mont

Date well started Unknown

completed unknown

Type of well .....drilled.....

(Dug, driven, bored or drilled)

Equipment used Other

.....  
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

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

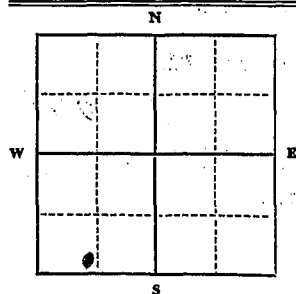
\*Describe .....

**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 in.	Iron					



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

\*Measured from ground level.

Well developed by .....

for .....hours.

Power..... Pump..... HP.....

Remarks: (Gravel packing, cementing,

packers, type of shutoff) .....

SW  $\frac{1}{4}$  .....  $\frac{1}{4}$  Sec. 2  
T. 1 ..... N R. 37 ..... (E)  
(S) ..... (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.**.....

Top of Ground

(Elev. above sea level)

From  
(Feet)

**To  
(Feet)**

Unknown

Show exact depth of bottom

50,19)

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 03-17-2011 BY 60322  
UCBAW

100

1000

and other roles. Journals will attempt to focus on those areas where there are differences between the two groups or where there is some kind of controversy.

1000

三

10/10/1961

五

[illegible]

1950

1950

1927

[illegible][illegible]

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

344

345

346

347

348

349

350

351

352

353

354

355

356

357

358

359

360

361

362

363

364

365

366

367

368

369

370

371

372

373

374

375

376

377

378

379

380

381

382

383

384

385

386

387

388

389

390

391

392

393

394

395

396

397

398

399

400

401

402

403

404

405

406

407

408

409

410

411

412

413

414

415

416

417

418

419

420

421

422

423

424

425

426

427

428

429

430

431

432

433

434

435

436

437

438

439

440

441

442

443

444

445

446

447

448

449

450

451

452

453

454

455

456

457

458

459

460

461

462

463

464

465

466

467

468

469

470

471

472

473

474

475

476

477

478

479

480

481

482

483

484

485

486

487

488

489

490

491

492

493

494

495

496

497

498

499

500

501

502

503

504

505

506

507

508

509

510

511

512

513

514

515

516

517

518

519

520

521

522

523

524

525

526

527

528

529

530

<

There is a large number of people who are not interested in the subject of the book, and who are not interested in the subject of the book, and who are not interested in the subject of the book.

**THE UNIVERSITY OF CHICAGO**

INVESTING YOUR MONEY

[illegible]

100

[illegible]

100

[illegible]

2191c A3302 1544

१०५

Unabhängig davon, dass die

10

APR 14 1944

Developed after January 1, 1962

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.

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

Owner Rex B. Throvet

Address HV 5 A 217

Monte

Date well started Unknown

completed Unknown

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used .... Other .....

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

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

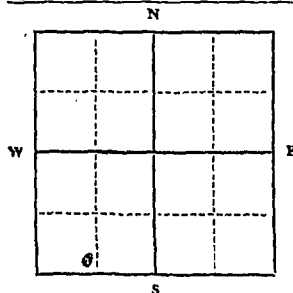
**\*Describe**

**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 in	iron				?	



SW  $\frac{1}{4}$  .....  $\frac{1}{4}$  Sec. 2  
T. .... N R. .... E  
S ..... W

Static water level 33.35 ft.\*

Pumping water level 33.5 ft.\*

at 5 gallons per minute  
measured .....minutes after pumping  
began.

\*Measured from ground level.

Well developed by .....  
for .....hours.

Power..... Pump..... HF

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

.....  
*Heather M. ...*

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

Driller's Signature

Driller's Address *This well was drilled*

in the 1930s, long before I could

here

Rex Thower

Top of Ground

(Elev. above sea level) 3370

From  
(Fcat)

To  
(Feet)

Unknown

well 80 ft deep

32907

Show exact depth of bottom

50,191



STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

RECEIVED

APR 14 1972

County Big Horn

**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.

# 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 Rex B Throver

Address Hv Shg mn

Mont

Date well started unknown

completed unknown

Type of well .....drilled

(Dug, driven, bored or drilled)

Equipment used Other

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

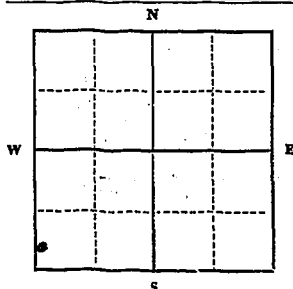
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

**\*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 in	1 1/2 in					



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

\*Measured from ground level.

Well developed by .....  
for .....hours.

Power..... Pump..... HP

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

\*\*\*\*\*

S. E.  $\frac{1}{4}$   $\frac{1}{4}$  Sec. 3  
T. 1 N. R. 37 (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. ....

**Top of Ground**

(Elev. above sea level)

[illegible]

**Show exact depth of bottom**

50,192



235373

STATE OF MONTANA } ss.  
County of Big Horn }

The within instrument was filed  
in my office at Hardin, Montana, this

APR 12 1972

A. D. 19

at 1:15 o'clock P.M.

Joseph Lippert  
County Recorder

By Robert Lippert Deputy

INDEXED

9/11/69

10-11-1969

Show exact depth of bottom

County BIG Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

APR 14 1972

# 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 Rex B. Inlow

Address Hysnam

# Montana

Date well started unknown

completed UNKNOWN

Type of well dug

(Dug, driven, bored or drilled)

Equipment used Other

.....  
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

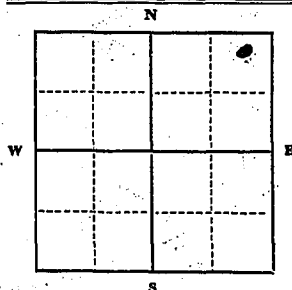
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*Describe This well was drilled long

**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 in	iron					



Static water level .....ft.\*  
Pumping water level .....ft.\*  
at 5 .....gallons per minute,  
measured .....minutes after pumping  
began.

\*Measured from ground level.  
Well developed by .....  
for ..... hours.

Power..... Pump..... HP

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

NE  $\frac{1}{4}$   $\frac{1}{4}$  Sec. 3  
T. 1 N. R. 37 (E)  
(S) 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. 449

### 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)

[illegible]

Show exact depth of bottom

50,203

235374

STATE OF MONTANA  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this

day of

APR 12 1972 A.D. 19

at 1:25 o'clock P.M.

*Joyce Lippert*  
County Recorder  
*Dorothy Wemple* Deputy

INDEXED  
FILED  
APR 12 1972  
HARDIN, MONTANA  
COUNTY RECORDER  
JOYCE LIPPERT  
DEPUTY DOROTHY WEMPLE

Show exact depth of bottom

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

DUPLICATE

T. 15 R. 37E

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

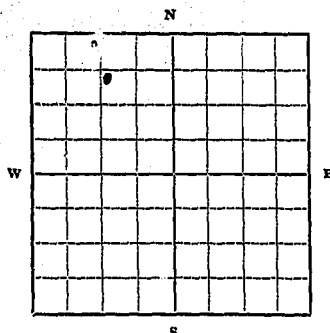
RECEIVED  
JAN 6 1984

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Mrs. Lucile T. Criswell of Hardin, Box 335, Montana  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.E. 1/4 Sec. 4 T. 15 R. 37E

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 1953, March. It has been used for stock water continuously.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) unlimited amount
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 windmill, and stationery engine
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approx. April, 1953 and completed May, 1953.
8. The depth of water table The water rises to within 25 feet of the top of the ground.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled, 4 inch casing, 75 feet deep
10. The estimated amount of groundwater withdrawn each year unlimited
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

Mrs. Lucile T. Criswell

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 School of Mines and Quadruplicate for the Appropriator.

21703

206349

STATE OF MONTANA )  
County of Big Horn { ss:

The within instrument was filed  
in my office at Hardin, Montana, this

DEC 27 1963 day of

A. D. 19

at 2:30 o'clock P. M.

*Harry E. Cox*  
County Recorder

By *Robert Smith* Deputy



File No. ....

T. 15. R. 37E

DUPLICATE

County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

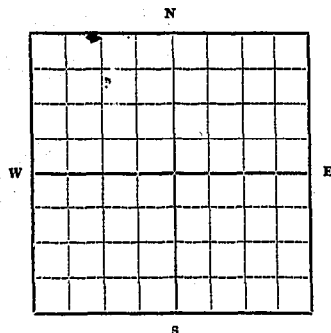
RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Mrs. Lucia T. Griswell, of Hardin, Box 355, Montana  
(Name of Appropriator) (Address) (Town)  
County of Big Horn 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. 4, T. 15. R. 37E

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 May, 1915. It was used for household use part of the time and has been used for stock water continuously.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) unlimited amount
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 windmills and stationary engines
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approx. March or April, 1915 and completed May, 1915.
8. The depth of water table The water rises to within 35 feet of the top of the ground.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled, 6 inch casing, 165 feet deep.
10. The estimated amount of groundwater withdrawn each year unlimited
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

*Mrs. Lucia T. Griswell*

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 School of Mines and Quadruplicate for the Appropriator.

21704



206350

STATE OF MONTANA } ss.  
County of Big Horn }

The within instrument was filed  
in my office at Hardin, Montana, this

DEC 27 1963 day of

A. D. 19

at 2<sup>40</sup> o'clock P.M.

Harry E. Cap  
County Recorder

By Gladys L. Smith Deputy

File No.

DUPLICATE

T 1 S. R 37 E

County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

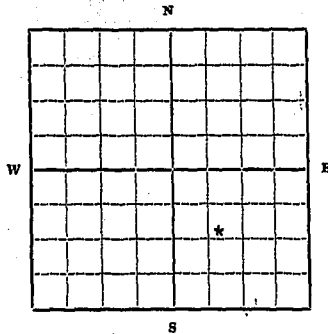
RECEIVED  
JAN 20 1964

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Frank Stoddard @ Pearl Olds, of 6717 Marfosa Houston, Texas  
(Name of Appropriator) (Address) (Town)  
(land in) County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 S. 5 E. Sec. 5 T. 1 S. R. 37 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 Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been May 6, 1957  
7 months of the year.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 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 Gasoline engine and pump jack.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 16, 1957 -- May 6, 1957
8. The depth of water table 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 4 1/2 inch black pipe 250 ft deep
10. The estimated amount of groundwater withdrawn each year 126,000 gal.
11. The log of formations encountered in the drilling of each well if available 0-63 ft. (Sandy), 63-80 (coal and clay), 80-95 (lite grey shale), 95-97 (rock), 97-146 (shale), 146-151 (coal), 151-165 (shale), 165-178 (soft coal and clay), 178-197 (shale), 197-198 (rock), 198-224 (color shale), 224-250 (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 No other records.

Signature of Owner Frank Stoddard

Date 1-2-64

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

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

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

33,500

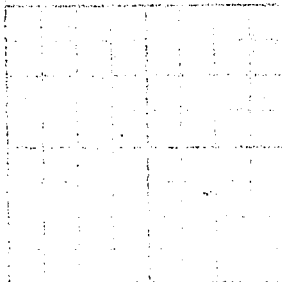
206762

STATE OF MONTANA } ss.  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this  
JAN 7 1964 day of

11:10 A. D. 1964  
at 11:10 o'clock A.M.

Henry E. Cate  
County Recorder  
By Ruby W. Sample Deputy



File No. ....

DUPLICATE

T.1.S. R. 37 E.

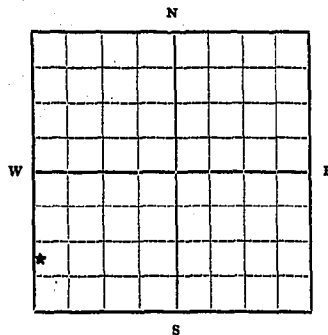
County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vealed Groundwater Rights JAN 6 1964  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. James Romina of Box 425 Hardin  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.W. 1/4 S.W. Sec. 6 T.1 S.R.37 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  
Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1961 Seven months of the year.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 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 Automatic propane engine and pump jack.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 11--15th 1961
8. The depth of water table 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 4 1/2 inch black pipe casing 92 ft. deep
10. The estimated amount of groundwater withdrawn each year 126,000 gal.
11. The log of formations encountered in the drilling of each well if available 0--38 ft. Brown clay and sand, 38--58 ft. Grey shale, 58--64 ft. coal, 64--91 sand rock, 91--97 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. No other records.

Signature of Owner James Romina

Date 30 Dec. 1963

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

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

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

21726

806394

STATE OF MONTANA }  
County of Big Horn } ss:

The within Instrument was filed  
in my office at Hardin, Montana for  
record, this **DEC 30 1963** day of

A. D. 19

at **10:45** o'clock **A.M.**, and is duly  
recorded.

*Harry E. Cox*  
County Recorder

By *Ruby Wemple* Deputy

Fee: \$ **2.00**

Return to

File No. ....

DUPLICATE

T. 11Y R. 37E

County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Notice of Completion of Groundwater Appropriation  
Without Well

STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

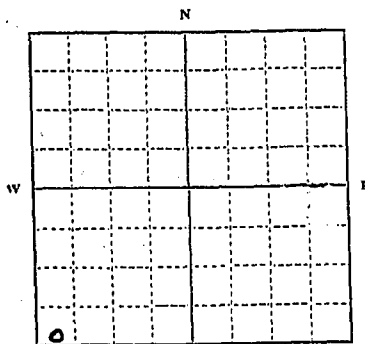
Owner Russell Atkins Address Big Horn Mont

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. gravity flow  
spring



SW 1/4 Sec. 7 T. 11Y R. 37E

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. gravity  
flow approx 4 gal per minute  
4 months per year

Signature of Owner Russell Atkins

Date Dec 26 - 1963

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

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

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

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

206310

STATE OF MONTANA } ss.  
County of Big Horn }

The within instrument was filed  
in my office at Hardin, Montana, this  
DEC 26 1969 day of

\_\_\_\_\_ A. D. 19\_\_\_\_  
at 3<sup>06</sup> o'clock P. M.

*Harry E. Cox*  
County Recorder  
By *Goldie L. Smith* Deputy

County Big Horn

APR 1972

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 Tex D. Throver

Address HV 54977

Mont

Date well started unknown

completed unknown

Type of well drilled

Equipment used other

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

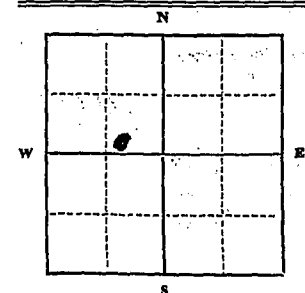
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*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 in	iron					



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

\*Measured from ground level.

Well developed by .....

for .....hours.

Power..... Pump..... HP

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

SW 1/4 1/4 Sec 11  
T. 1 N R. 37 (E)  
(S) 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. ....

### DRILLER'S LOG

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

### Top of Ground

(Elev. above sea level)

[illegible]

Show exact depth of bottom

50,190



235371

STATE OF MONTANA  
County of Big Horn

The within instrument was filed  
in the office of the Clerk of the County of Big Horn, Montana, this

day of

APR 12 1972 A.D. 19

*Joe Lippert*  
County Recorder  
*D. J. Sample*  
County Clerk

(157141)

Department of Natural Resources and Conservation  
Water Resources Division  
Engineering Bureau  
Groundwater Section  
Sam W. Mitchell Building  
Helena, Montana 59601

*Sent on  
5/23/72*

Owner Rex B. Throver  
Address Harlem, Montana 59038  
Location T. 15, R. 37E, Sec. 23 & 11  
Doc. No. 235371, 235372,  
235373, 235374, and  
235375.

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

*Please provide, as indicated in red on the enclosed forms, the information not ~~shown~~ shown.*

*Thank you.*

*50,190  
50,191  
50,192  
50,203  
50,193*



**MEMORANDUM**  
**FOR THE DIRECTOR**  
**SUBJECT:**

The within instrument was filed  
to my office at Hardin, Montana, this  
\_\_\_\_\_ day of \_\_\_\_\_

at 1:25 o'clock P.M.

Joyce Lippert  
 County Recorder.  
 By Ruby J. Temple Deputy

1

Department of Natural Resources and Conservation  
Water Resources Division  
Engineering Bureau  
Groundwater Section  
Sam W. Mitchell Building  
Helena, Montana 59601

Owner Rex B. Thrower  
Address Hysham, MT. - 59038  
Location T. 1S R. 37E Sec. 2, 3 #11  
Doc. No. 235371; 235372; 235373;  
235374; and 235375

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

Please provide, as indicated in red on the enclosed forms, the information not shown.

Thank you.

RECEIVED

JAN 28 1974

MONT. DEPT. of NATURAL  
RESOURCES & CONSERVATION

Hysham, Mont.  
Jan. 24, 1974

Dear Sir:

Three of these wells were drilled about forty or fifty years ago and I am unable to find out who did the drilling or anything about the formation. The other two were drilled by Henry Kray of Hardin, Mont. He was killed in a car accident many years ago. What little information I have, I have disclosed here.

Sincerely,

Rex Thrower

50,190

File No. ....

T. 15. R. 37

DUPLICATE

County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

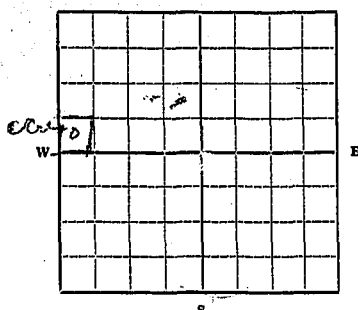
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 6 1964

STATE ENGINEER

Joe and Pauline Peter, of Applen  
(Name of Appropriator) (Address) (Town)

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



10 1/4 Sec. 12 T. 15 R. 37

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 stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept 1958 about 7 months out of the year

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 gallons a 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 at base of mesa & pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater started in June 3

8. The depth of water table 2.00 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 it is a drilled well with a 4 inch hole 2.00 ft deep

10. The estimated amount of groundwater withdrawn each year 259,200 Gallons

11. The log of formations encountered in the drilling of each well if available blue clay coal on top

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 Joe and Pauline Peter  
Date Dec 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 School of Mines and Quadruplicate for the Appropriator.

21608



206169

STATE OF MONTANA } ss.  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this

DEC 19 1963

day of

A. D. 19

at 10:35 o'clock AM.

*Harvey E. Cox*  
County Recorder

By *Ruby Simpson* Deputy



File No. ....

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

T. 1 S. R. 37

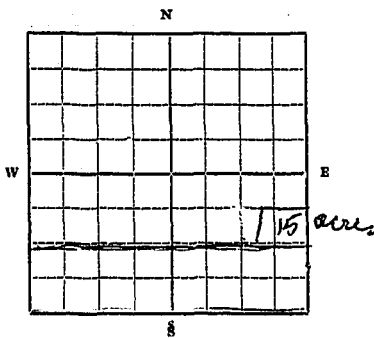
County Big Horn

RECEIVED  
JAN 6 1964

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

STATE ENGINEER

1. Joe & Pauline Peters, of Glyburn,  
(Name of Appropriator) (Address)  
County of Big Horn State of Montana Madison  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



15 acre  
1/4 Sec 13, T. 1 S. R. 37

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 live stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Oct. 19, 1951 the year round
4. The amount of groundwater claimed (in miner's inches or gallons per minute). It will take care of about 200 head of cattle
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. It is 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. It is natural running spring
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. There has not been any construction done on the spring but a plan of piping it is made
8. The depth of water table 112 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
10. The estimated amount of groundwater withdrawn each year Enough to take care of 200 cattle
11. The log of formations encountered in the drilling of each well if available Sandy
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 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 School of Mines and Quadruplicate for the Appropriator.

21607

206168

STATE OF MONTANA }  
County of Big Horn } ss.

The within instrument was filed  
In my office at Hardin, Montana, this

DEC 19 1963 day of

A. D. 19

at 10:30 o'clock A.M.

*Harry E. Cash*  
County Recorder

By *Paul W. Sample* Deputy

File No. SW 4

DUPLICATE  
STATE WATER CONSERVATION BOARD

T. 1S R. 37E

County Big Horn

APR 24 1967

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

Billie \_\_\_\_\_

McNulty \_\_\_\_\_

Butzerin \_\_\_\_\_

Morton \_\_\_\_\_

Coyle \_\_\_\_\_

Sullivan \_\_\_\_\_

Darlington \_\_\_\_\_

Dickert \_\_\_\_\_

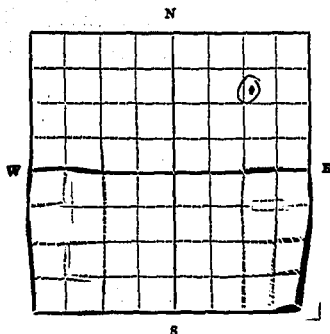
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. Scott Land and Livestock, Co. of Bartholomew  
(Name of Appropriator) (Address)

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



NE 1/4 Sec. 15 T. 16 R. 37E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 30  
acres.

2. The beneficial use on which the claim is based is water  
water and stock water

3. Date or approximate date of continuous use; and how con-  
tinuous the use has been well is in use throughout the year

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 5 gallons/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 is a sub-  
mergible pump powered by an electric motor

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater not known

8. The depth of water table 75'

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 depth- 225', 225' of 4" casing, 175' of  
14 pipe

10. The ~~undrawn~~ amount of groundwater withdrawn each year 200,000 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 none

Signature of Scott Land & Livestock Co.

Date 4-1-67

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

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

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

41,922

218901

FILE NO.

STATE OF MONTANA  
COUNTY OF BIG HORN

ss.

The instrument was filed  
in my office at Hardin, Montana, this

APR 20 1967 day of

A. D. 19

at 10:28 o'clock A.M.

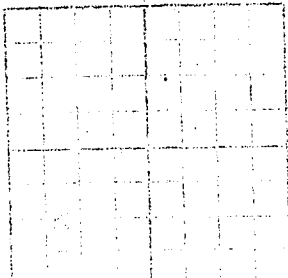
*Harry E. Cox*  
County Recorder  
By *Deputy* Deputy

RECORDED  
INDEXED  
DAVENPORT

COMM. 110-510  
L. J. R. 357

lower  
than adjacent  
County of Big Horn

1. The instrument was filed



each small square representing  
one acre of land in the  
County of Big Horn

Section 10, Township 10N, Range 10E

1. The instrument was filed

2. The instrument was filed

3. The instrument was filed

4. The instrument was filed

5. The instrument was filed

6. The instrument was filed

7. The instrument was filed

8. The instrument was filed

9. The instrument was filed

10. The instrument was filed