

Find address or place

D24W Pipeline Leak

Leak location

MR. TIMOTHY ALLEN & SALLYNN  
D24W  
02-01-7530-01

ROLES, BETTY J.  
2402 U 400010

WILLIAMS, REBECCA  
2401120000

DOREAD OF LANE, ANTHONY  
2401200000

# D24W Leak Site Map

Elevation CS below indicates distance/ELV change to nearest domestic WW

## Legend

-  2
-  D24W
-  D24W
-  Feature 1
-  Feature 2
-  Feature 3
-  Feature 4
-  Distance WW

West Mamm Creek

P14

N39°26'16.8"

D24W

D24W

B23

G23W

F24W

ulch

Google Earth

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1000 ft

## Map Unit Description

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named, soils that are similar to the named components, and some minor components that differ in use and management from the major soils.

Most of the soils similar to the major components have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Some minor components, however, have properties and behavior characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. All the soils of a series have major horizons that are similar in composition, thickness, and arrangement. Soils of a given series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Additional information about the map units described in this report is available in other soil reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the soil reports define some of the properties included in the map unit descriptions.

## Rifle Area, Colorado, Parts of Garfield and Mesa Counties

### 51—Olney loam, 6 to 12 percent slopes

#### Map Unit Setting

*National map unit symbol:* jnym

*Elevation:* 5,000 to 6,500 feet

*Farmland classification:* Farmland of statewide importance

### Map Unit Composition

*Olney and similar soils: 85 percent*

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Olney

#### Setting

*Landform: Alluvial fans, valley sides*

*Down-slope shape: Linear, convex*

*Across-slope shape: Linear, convex*

*Parent material: Alluvium derived from sandstone and shale*

#### Typical profile

*H1 - 0 to 12 inches: loam*

*H2 - 12 to 33 inches: sandy clay loam*

*H3 - 33 to 43 inches: gravelly sandy clay loam*

*H4 - 43 to 60 inches: very gravelly sandy loam*

#### Properties and qualities

*Slope: 6 to 12 percent*

*Depth to restrictive feature: More than 80 inches*

*Drainage class: Well drained*

*Runoff class: Medium*

*Capacity of the most limiting layer to transmit water*

*(Ksat): Moderately high to high (0.60 to 2.00 in/hr)*

*Depth to water table: More than 80 inches*

*Frequency of flooding: None*

*Frequency of ponding: None*

*Calcium carbonate, maximum content: 15 percent*

*Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)*

*Available water supply, 0 to 60 inches: Moderate (about 7.6 inches)*

#### Interpretive groups

*Land capability classification (irrigated): 4e*

*Land capability classification (nonirrigated): 4e*

*Hydrologic Soil Group: B*

*Ecological site: R048AY306UT - Upland Loam (Wyoming Big Sagebrush)*

*Hydric soil rating: No*

## Data Source Information

Soil Survey Area: Rifle Area, Colorado, Parts of Garfield and Mesa Counties

Survey Area Data: Version 14, Sep 2, 2021

FORM NO. GWS-42 07/93

STATE OF COLORADO OFFICE OF THE STATE ENGINEER 818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203 (303) 866-3581

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JUN 17 '97 RECEIVED

WATER RESOURCES STATE ENGINEER GLENWOOD JUL 02 1997

WATER RESOURCES STATE ENGINEER COLO.

PRIOR TO COMPLETING FORM, SEE INSTRUCTIONS ON REVERSE SIDE

1. APPLICATION FOR WELL LOCATION AMENDMENT

WELL PERMIT NUMBER 191875

2. WELL OWNER

NAME(S) Timothy ROE Mailing Address 1998 00th Dr City, St. Zip S/H, Colo 81652 Phone (970) 876-2792

45 31

3. ACTUAL WELL LOCATION: COUNTY Garfield OWNER'S WELL DESIGNATION EAST well #2 Country Rd 319 R. Ate Colo (Address at well location) (City) (State) (Zip)

NW 1/4 of the NW 1/4, Sec. 24 Twp. 7 S Range 93 W 6th P.M. (North or South) (East or West)

Distances from Section Lines 250 Ft. from North Section Line, 850 Ft. from WEST (TAL 6-16-97) Section Line. (North or South) (East or West)

Subdivision Lot Block Filing (Unit)

4. The location of the existing well needs to be amended for the following reason(s): (Attach appropriate documentation as necessary)

Well was drilled where I had the well witched AT, Not where I had ~~originally~~ <sup>originally</sup> WANTED IT drilled.

5. I (we), the above listed owner(s) own the well described herein. I (we) have read the statements made herein, know the contents thereof, and state that they are true to my (our) knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

Name/Title (Please type or print) Signature Date Tim ROE [Signature] 6/16/97

FOR OFFICE USE ONLY

APPROVED FOR A CORRECTION OF LOCATION PURSUANT TO POLICY MEMORANDUM 93-1 DATED JULY 7, 1993

[Signature] State Engineer

By Jeff Death CHECKS TR#417873 070297 20.00 DIV. OF WATER RESOURCES 9-10-97 Date

Court Case No. Div. 5 Co. 23 WD 45 Basin MD

The form must be typewritten or printed in **BLACK INK**. Initial and date any changes you make on the form.

**THIS FORM MAY BE REPRODUCED BY PHOTOCOPYING OR WORD PROCESSING MEANS.**

**INCOMPLETE FORMS WILL BE RETURNED FOR CORRECTION. ATTACH ADDITIONAL SHEETS IF MORE SPACE IS NEEDED.**

**DO NOT USE THIS FORM TO AMEND THE PERMITTED WELL LOCATION IF:**

A. Your well was permitted, registered, or first used prior to May 8, 1972 for ordinary household purposes in up to three single-family dwellings, fire protection, the watering of poultry, domestic animals, and livestock on farms and ranches and the irrigation of not over one acre of home gardens and lawns. USE FORM GWS-11

B. Your well is not of the type described in A above, but was permitted or registered prior to May 17, 1965. USE FORM GWS-11. Inside the Designated Ground Water Basins, other procedures and publication may be required.

C. Your well was decreed by the Water Court for the correct location, DO NOT USE THIS FORM TO AMEND THE PERMITTED WELL LOCATION. YOU MAY USE FORM GWS-11.

**USE THIS FORM IF:**

D. Your well was permitted or first used on or after May 8, 1972, and was approved under the provisions of C.R.S. 37-92-602 (This number well appear in the permit conditions of approval and permit numbers generally are five or six digit numbers not followed by a suffix except occasionally an "A" such as 75550, 75600-A, or 165000), a \$20.00 filing fee is currently required to accompany a request to amend the location of this type of well.

E. Your well is not one of the types described in A, B, C, or D above. A filing fee of \$60.00 is currently required to accompany a request to amend the well location. Inside Designated Ground Water Basins, publication may be required.

#### GENERAL INSTRUCTIONS

1. Print the well permit number in the space provided at the top of the form.
2. Print the owner's name and include the mailing address and phone number.
3. Complete the CORRECT well location information. If the address of the well location is different than the mailing address of the owner, include the address where the well is located. If the owner has more than one well, provide well name or number as designated by the owner, m i.e. North Well. The well location must include  $\frac{1}{4}$ ,  $\frac{1}{2}$ , Section, Township, Range and distances from Section lines. If the well is in a subdivision, complete the Subdivision, Lot, Block and filing information.
4. Indicate the reason(s) the location must be corrected. If this well was approved as the only well on a tract of land of 35 acres or more (see well permit conditions of approval) and approved prior to July 1, 1984, please verify that this is correct and include the metes and bounds legal description or survey plat of the tract.
5. The owner of the well must sign. Print or type your name in the first block if it is different from item no. 2. If signing as a representative of a company who owns the well, then your title must also be included in the first block. Sign the second block and date the last block.

Approval of this request will also update the well owner and mailing address. In some cases, this request to correct the location may not be accepted. If you have questions, contact the Denver or the Division Office where your well is located.

**DIVISION 1**  
800 8th Ave Rm 321  
Greeley CO 80631  
(303) 352-8712

**DIVISION 2** Box 5728  
219 W 5th Rm 223  
Pueblo CO 81003  
(719) 542-3368

**DIVISION 3** Box 269  
422 4th St  
Alamosa CO 81101  
(719) 589-6683

**DIVISION 4** Box 456  
1540 E Niagara  
Montrose CO 81402  
(303) 249-6622

**DIVISION 5** Box 396  
50633 US Hwy 6 & 24  
Glnwd Spgs CO 81601  
(303) 945-5665

**DIVISION 6** Box 773450  
625 So. Lincoln Ave  
Stmbt Spgs CO 80477  
(303) 879-0272

**DIVISION 7** Box 1880  
1474 Main St  
Durango CO 81302  
(303) 247-1845

**DENVER OFFICE**  
Rm 821  
1313 Sherman St  
Denver CO 80203  
(303) 866-3581

WELL CONSTRUCTION AND TEST REPORT  
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER

For Office Use only

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APR 14 1997

STATE ENGINEER  
COLCO

1. WELL PERMIT NUMBER 191875

2. OWNER NAME(S) TIM ROE  
Mailing Address 1998 ODIN  
City, St. Zip SILT, CO 81652  
Phone ( 970 ) 876-2792

3. WELL LOCATION AS DRILLED: NW 1/4 NW 1/4, Sec. 24 Twp. 7 S, Range 93 W 6TH PM  
DISTANCES FROM SEC. LINES:  
150 ft. from N Sec. line. and 650 ft. from W Sec. line. OR  
(north or south) (east or west)  
SUBDIVISION: \_\_\_\_\_ LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ FILING(UNIT) \_\_\_\_\_  
STREET ADDRESS AT WELL LOCATION: 1998 ODIN RD SILT CO

4. GROUND SURFACE ELEVATION \_\_\_\_\_ ft. DRILLING METHOD AIR ROTARY  
DATE COMPLETED 2-26-97 TOTAL DEPTH 55 ft. DEPTH COMPLETED 55 ft.

5. GEOLOGIC LOG:  
Depth Description of Material (Type, Size, Color, Water Location)  
0-20 Rocks - OVERBURDEN  
20-40 Clay + Rocks  
40-55 SAND - GRAVELS  
  
  
  
  
  
  
  
  
  
REMARKS: \_\_\_\_\_

6. HOLE DIAM. (in.)	From (ft)	To (ft)
<u>10</u>	<u>0</u>	<u>20</u>
<u>6 5/8</u>	<u>19</u>	<u>55</u>

7. PLAIN CASING				
OD (in)	Kind	Wall Size	From(ft)	To(ft)
<u>6 5/8</u>	<u>STEEL</u>	<u>188</u>	<u>0+1</u>	<u>55</u>
PERF. CASING: Screen Slot Size: <u>6x1/8</u>				
<u>6 5/8</u>	<u>STEEL</u>	<u>188</u>	<u>40</u>	<u>55</u>

8. FILTER PACK: Material \_\_\_\_\_ Size \_\_\_\_\_ Interval \_\_\_\_\_  
9. PACKER PLACEMENT: Type \_\_\_\_\_ Depth \_\_\_\_\_

10. GROUTING RECORD:				
Material	Amount	Density	Interval	Placement
<u>CEMENT</u>	<u>8800S</u>	<u>15.1</u>	<u>6-20</u>	<u>GRAVITY</u>

11. DISINFECTION: Type CHLORINE Amt. Used 1/2 GALLONS

12. WELL TEST DATA:  Check box if Test Data is submitted on Form No. GWS 39 Supplemental Well Test.  
TESTING METHOD AIR ROTARY  
Static Level 30 ft. Date/Time measured 2-26-97 1:00 PM, Production Rate 15 gpm.  
Pumping level 35 ft. Date/Time measured 2-26-97 3:00 PM, Test length (hrs.) 2  
Remarks \_\_\_\_\_

13. I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

CONTRACTOR COLLINS DRILLING & PUMP SVC., INC. Phone (970) 945-4079 Lic. No. 634  
Mailing Address P.O. BOX 0516 CARBONDALE, CO 81623

Name/Title (Please type or print) J Collins Pres Signature [Signature] Date 4-10-97

The report must be typed or printed in **BLACK INK**. All changes on the form must be initialed and dated. Attach additional sheets if more space is required. Each additional sheet must be identified at the top by the well owner's name, the permit number, form name/number and a sequential page number. Report depths in feet below ground surface.

This form may be reproduced by photocopy methods, or by computer generation with prior approval by the State Engineer. Photocopy reproductions must retain margins and print quality of the original form.

The original form must be submitted to the State Engineer's Office within 60 days after completing the well or 7 days after the permit expiration date, whichever is earlier.

A copy of the form must be provided to the well owner.

1. Complete the **Well Permit Number** in full.
2. Fill in **Name and Mailing Address of Well Owner** where correspondence should be sent.
3. Complete the blocks for the **actual** location of the well where drilled. If the owner has more than one well serving this property, provide the identification (**Owner's Designation**) for this well. **DO NOT USE THE OWNER SUPPLIED LOCATION** unless a survey has been provided. For wells located in subdivisions the lot, block and subdivision information must also be provided.
4. Report the ground surface elevation in feet above sea level if available. This value may be obtained from a topographic map. Describe the drilling method used to construct the well and the date completed. Indicate the total depth drilled and the actual completed depth of the well.
5. Fully describe the materials encountered in drilling. Do not use formation names unless they are in conjunction with a description of materials.  
Examples of descriptive terms include:  
**Grain size**--Boulders, gravel, sand, silt, clay.  
**Hardness**--Loose, soft, tight, hard, very hard.  
**Color**--All materials. Most critical in sedimentary rock.  
Depth when water is encountered (if it can be determined).
6. Provide the diameters of the drilled bore hole.
7. The outside diameter, kind, wall thickness and interval of casing lengths must be indicated.
8. Indicate the type and size of filter (gravel) pack and the interval where placed.
9. Indicate the type and setting depth for any packers installed.
10. The density of the grout slurry must be reported and may be indicated as pounds per gallon, gallons of water per sack, total gallons of water and number of sacks used, etc. Specify the grout placement method, i.e. tremie pipe or positive displacement. The percentage of additives mixed with the grout should be reported under remarks.
11. Record the type and the amount of disinfection used, how placed and the length of time left in the hole.
12. Report well test data as required by Rule 10.7. Spaces are provided to report all measurements made during the test. The report should show that the test complied with the provisions of the rules. If a test was not performed explain when it will be done. If available, report clock time when measurements were taken.
13. Fill in **Company Name and Address of Contractor** who constructed the well. The report must be signed by the licensed contractor responsible for the construction of the well.

Form No.  
GWS-25

OFFICE OF THE STATE ENGINEER  
COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203  
(303) 866-3581

LIC

WELL PERMIT NUMBER	<b>191875</b>
DIV. 5	CNTY. 23 WD 45 DES. BASIN MD

APPLICANT

TIM ROE  
1998 ODIN  
SILT CO 81652-

(970)876-2792

APPROVED WELL LOCATION  
GARFIELD COUNTY

NW 1/4 NW 1/4 Section 24  
Twp 7 S RANGE 93 W 6th P.M.

DISTANCES FROM SECTION LINES

150 Ft. from North Section Line  
650 Ft. from West Section Line

PERMIT TO CONSTRUCT A WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT  
CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-92-602(3)(b)(II)(A) as the **only well** on a tract of land of 40 acres described as the NW 1/4, NW 1/4 of Sec. 24, Twp. 7 S., Rng. 93 W. of the 6TH P.M., Garfield County.
- 4) The use of ground water from this well is limited to ordinary household purposes inside up to 3 single family dwellings, fire protection, the watering of poultry, domestic animals, and livestock on farms and ranches, and the irrigation of not over one (1) acre of home gardens and lawns. This well is to be known as the Roe Well No. 2.
- 5) The maximum pumping rate shall not exceed 15 GPM.
- 6) The return flow from the use of the well must be through an individual waste water disposal system of the non-evaporative type where the water is returned to the same stream system in which the well is located.
- 7) This well shall be constructed not more than 200 feet from the location specified on this permit.

*He*  
12.8.95

APPROVED  
TLC

*Hal D. Simpson*  
State Engineer

*Tamara J. Sullivan*  
By

Receipt No. 0391234A

DATE ISSUED DEC 11 1995

EXPIRATION DATE DEC 11 1997

COLORADO DIVISION OF WATER RESOURCES  
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

RECEIVED 458  
No. 105  
SEP 22 '95 (1963)

PERMIT APPLICATION FORM

RECEIVED

Application must be complete where applicable. Type or print in **BLACK INK**. No overstrikes or erasures unless initialed.

TAR 11-5-95  
 A PERMIT TO USE GROUND WATER  
 A PERMIT TO CONSTRUCT A WELL  
FOR:  A PERMIT TO INSTALL A PUMP

DEC 04 '95

WATER RESOURCES  
STATE ENGINEER  
COLO

( ) REPLACEMENT FOR NO. \_\_\_\_\_

( ) OTHER \_\_\_\_\_

WATER COURT CASE NO. \_\_\_\_\_

WATER RESOURCES  
STATE ENGINEER  
COLO

191875

(1) APPLICANT - mailing address

NAME Tim Roe  
STREET 1998 Odin  
CITY Silt Colo 81652  
(State) (ZIP)  
TELEPHONE NO. 970-876-2792

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 391234A

Basin \_\_\_\_\_ Dist. \_\_\_\_\_

CONDITIONS OF APPROVAL

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.

(2) LOCATION OF PROPOSED WELL

County Garfield  
NW  $\frac{1}{4}$  of the NW  $\frac{1}{4}$ , Section 24  
Twp. 7 S, Rng. 93 W, 6 P.M.  
(N.S) (E,W)

✓ plotted  
✓ well lost - nothing else this section  
✓ to be - nothing this section

(3) WATER USE AND WELL DATA

Proposed maximum pumping rate (gpm) 15 GPM  
Average annual amount of ground water to be appropriated (acre-feet): 1 acre foot  
Number of acres to be irrigated: 1 acre  
Proposed total depth (feet): 250 feet  
Aquifer ground water is to be obtained from:  
Sandstone  
Owner's well designation Roe well # 2

Best Copy Available

GROUND WATER TO BE USED FOR:

( ) HOUSEHOLD USE ONLY - no irrigation (0)  
 DOMESTIC (1) ( ) INDUSTRIAL (5)  
 LIVESTOCK (2) ( ) IRRIGATION (6)  
( ) COMMERCIAL (4) ( ) MUNICIPAL (8)  
( ) OTHER (9) \_\_\_\_\_

CHECKS TR#391234 092295 120.00  
APPLICATION APPROVED BY WATER RESOURCES

DETAIL THE USE ON BACK IN (11)

(4) DRILLER

Name Yes to be Named (TAR 11-5-95)  
Colo Licensed Driller  
Street \_\_\_\_\_  
City \_\_\_\_\_ (State) (Zip)  
Telephone No. \_\_\_\_\_ Lic. No. \_\_\_\_\_

PERMIT NUMBER \_\_\_\_\_

DATE ISSUED \_\_\_\_\_

EXPIRATION DATE \_\_\_\_\_

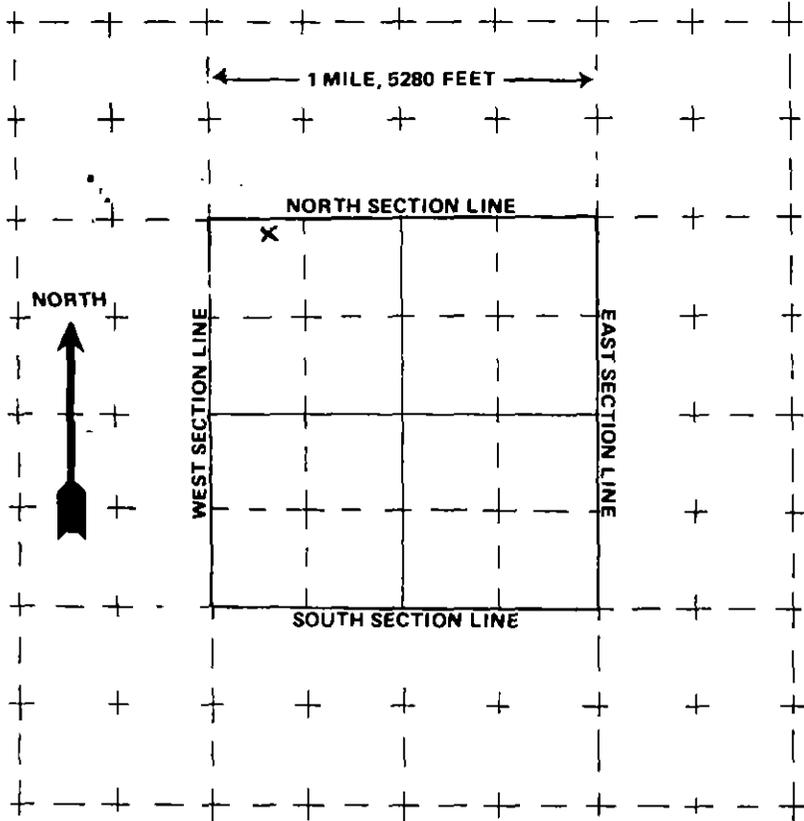
(STATE ENGINEER)

BY \_\_\_\_\_

I.D. 5 COUNTY 23-45

bottom part

(5) THE LOCATION OF THE PROPOSED WELL and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.



The scale of the diagram is 2 inches = 1 mile  
Each small square represents 40 acres.

**WATER EQUIVALENTS TABLE (Rounded Figures)**

An acre-foot covers 1 acre of land 1 foot deep  
1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm)  
A family of 5 will require approximately 1 acre-foot of water per year.  
1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.  
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

(6) THE WELL MUST BE LOCATED BELOW by distances from section lines.

150 ft. from N (north or south) sec. line  
650 ft. from W (east or west) sec. line

LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ FILING # \_\_\_\_\_

SUBDIVISION \_\_\_\_\_

(7) TRACT ON WHICH WELL WILL BE LOCATED

Owner: Tim Roe; Rebecca Williams  
No. of acres 140.40 (T.A.R. 11-5-95) Will this be the only well on this tract? Yes (T.A.R. 11-6-95)

(8) PROPOSED CASING PROGRAM

Plain Casing

6 in. from 0 ft. to 100 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Perforated casing

6" in. from 100 ft. to 250 ft.

\_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

(9) FOR REPLACEMENT WELLS give distance and direction from old well and plans for plugging it:

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

(10) LAND ON WHICH GROUND WATER WILL BE USED:

Owner(s): Timothy Roe; Rebecca Williams No. of acres: 140.40 T.A.R. 11-5-95  
Legal description: see attached map NW 1/4 NW 1/4 Sec. #24 (T.A.R. 11-5-95)

(11) DETAILED DESCRIPTION of the use of ground water: Household use and domestic wells must indicate type of disposal system to be used.

In house use for 1 single family dwelling of 3,000 square ft plus lawn + garden + domestic livestock. At some point 2 other single family dwelling in-household use may be used

(12) OTHER WATER RIGHTS used on this land, including wells. Give Registration and Water Court Case Numbers.

Type or right	Used for (purpose)	Description of land on which used
<u>N/A</u> <u>T.A.R. 11-5-95</u> <u>CASE # 3918 W</u>	<u>watering livestock</u>	<u>SW 1/4 SW 1/4 Sec 13; NW 1/4 NW 1/4 Sec 24</u>

(13) THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.

[Signature]  
SIGNATURE OF APPLICANT(S)



This Deed, Made this 6th day of November in the year of our Lord 1963

one thousand nine hundred and sixty-three between BUD ROE and EVELYN D. ROE

of the County of Garfield and State of Colorado, of the first part, and REBECCA WILLIAMS and TIMOTHY ALLEN ROE

of the County of Garfield and State of Colorado, of the second part;

Witnesseth, That the said parties of the first part, for and in consideration of the sum of \$2.00 together with love and affection and other good and valuable consideration to the said parties of the first part in hand paid by the said parties of the second part, the receipt whereof is hereby confessed and acknowledged, have granted, bargained, sold and conveyed, and by these presents do grant, bargain, sell, convey and confirm, unto the said parties of the second part, not in tenancy in common but in joint tenancy, the survivor of them, their assigns and the heirs and assigns of such survivor forever, all the following described lot or parcel of land situate, lying and being in the County of Garfield and State of Colorado, to-wit:

The West Half (W 1/2) of the Northeast Quarter (NE 1/4) of the Southwest Quarter (SW 1/4), Section Thirteen (13), Township Seven (7) South, Range Ninety-three (93) West, of the Sixth Principal Meridian (6PM) containing Twenty (20) acres, more or less.

Also the West Half (W 1/2) of Southwest Quarter (SW 1/4) Section Thirteen (13), the Northwest Quarter (NW 1/4) Northwest Quarter (NW 1/4) Section Twenty Four (24) Township Seven S. (7S) Range 93 West 6th P.M., containing 120 acres, more or less. Except, however, 2/3rds of the oil, gas, and minerals heretofore conveyed out.

Provided, however, the parties of the first part hereby expressly reserve to Bud Roe the use and enjoyment of all of the above described real property and the right to receive the rents, issues and profits arising therefrom and to occupy said premises for and during the period of his natural life, and at his death said life estate hereby reserved to him in said premises, together with the fee title thereto, to vest absolutely and in fee simple in the parties of the second part, or the survivor of them.

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Together with all and singular the hereditaments and appurtenances thereunto belonging, or in anywise appertaining, and the reversion and reversions, remainder and remainders, rents, issues and profits thereof; and all the estate, right, title, interest, claim and demand whatsoever of the said parties of the first part, either in law or equity, of, in and to the above bargained premises, with the hereditaments and appurtenances.

To Have and to Hold the said premises above bargained and described, with the appurtenances, unto the said parties of the second part, the survivor of them, their assigns and the heirs and assigns of such survivor forever. And the said parties of the first part, for themselves, their heirs, executors, and administrators, do covenant, grant, bargain and agree to and with the said parties of the second part, the survivor of them, their assigns and the heirs and assigns of such survivor, that at the time of the ensembling and delivery of these presents, they are well seized of the premises above conveyed, as of good, sure, perfect, absolute and indefeasible estate of inheritance, in law, in fee simple, and have good right, full power and lawful authority to grant, bargain, sell and convey the same in manner and form aforesaid, and that the same are free and clear from all former and other grants, bargains, sales, liens, taxes, assessments and incumbrances of whatever kind or nature soever,

and the above bargained premises in the quiet and peaceable possession of the said parties of the second part, the survivor of them, their assigns and the heirs and assigns of such survivor, against all and every person or persons lawfully claiming or to claim the whole or any part thereof, the said parties of the first part shall and will WARRANT AND FOREVER DEFEND.

In Witness Whereof, The said parties of the first part have hereunto set their hands and seals the day and year first above written.

Signed, Sealed and Delivered in the Presence of

Bud Roe (SEAL)

Evelyn D. Roe (SEAL)

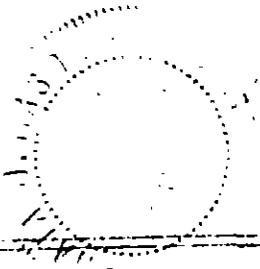
STATE OF COLORADO,

County of GARFIELD ss. The foregoing instrument was acknowledged before me this 26th day of November, 1963, by Bud Roe and Evelyn D. Roe.

Witness my hand and official seal. My commission expires April 23, 1966.

Notary Public.

\*If acting in official or representative capacity, insert name and also office or capacity and for whom acting.



Documentary Stamps not required

# CENTRAL FILES

DISTRICT COURT, WATER DIVISION NO. 5, COLORADO

Case No. W-3918

RECEIVED

NOV 15 1983

WATER RESOURCES  
STATE ENGINEER  
COLO.

ORDER

CONCERNING THE APPLICATION FOR WATER RIGHTS OF T.A. ROE AND  
REBECCA WILLIAMS, IN GARFIELD COUNTY

Notice having been given complying with C.R.S. 1973, 37-92-305(7) and the Applicant or counsel not having appeared at the hearing set for this day,

IT IS HEREBY ORDERED that pursuant to C.R.S. 1973, 37-92-301(4), it has been determined by the Court that the following conditional water rights have been ABANDONED:

0.044 Cubic foot of water per second of time for Roe Spring.

Dated this 5<sup>th</sup> day of November, 1983.

BY THE COURT:

  
Gavin D. Litwiller  
Water Judge  
Water Division No. 5  
State of Colorado

Copy of the foregoing mailed to all  
Counsel of record  Water  
Re.  Div. Engineer  and  
State Engineer  Date 11-9-83

CP  
Deputy Clerk, Water Div. No. 5

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RECEIVED

DEC 07 1973

FILED  
 IN WATER COURT  
 Division No. 5  
 JUL 3 0 1979  
 STATE OF COLORADO

WATER CLERK  
*Linda Hartman*  
 BY DEPUTY

IN THE DISTRICT COURT IN AND  
 FOR WATER DIVISION NO. 5  
 STATE OF COLORADO  
 Application No. W-1919

IN THE MATTER OF THE APPLICATION )  
 FOR WATER RIGHTS OF )  
 T. A. ROE AND REBECCA WILLIAMS )  
 IN THE COLORADO RIVER )  
 OR ITS TRIBUTARIES )  
 TRIBUTARY INVOLVED: WEST MAMM CREEK )  
 IN GARFIELD COUNTY. )

RULING OF REFEREE

The above entitled application was filed on October 25, 1973, and was referred to the undersigned as Water Referee for Water Division No. 5, State of Colorado, by the Water Judge of said Court on the 31st day of October, 1973, in accordance with Article 32 of Chapter 37, Colorado Revised Statutes 1973, known as The Water Right Determination and Administration Act of 1969.

And the undersigned Referee having made such investigations as are necessary to determine whether or not the statements in the application are true and having become fully advised with respect to the subject matter of the application does hereby make the following determination and ruling as the Referee in this matter, to-wit:

1. The statements in the application are true, except the water is not now being used and there is no evidence on the ground that the spring has ever been developed and the water diverted and applied to beneficial use. The spring is tributary to West Mamm Creek instead of East Mamm Creek.
2. The name of the structure is Roe Spring.
3. The names of the claimants and address: T. A. Roe and Rebecca Williams; 656 Park Avenue; Rifle, Colorado.
4. The source of the water is a spring tributary to West Mamm Creek, tributary to Mamm Creek, tributary to the Colorado River.
5. The point of diversion is located in the SW1/4 SW1/4 of Section 13, T. 7 S., R. 93 W. of the 6th P.M. at a point 800 feet East and 25 feet North of the Southwest Corner of said Section 13.
6. The use of the water is domestic and livestock water.
7. The date of initiation of appropriation is July 15, 1963.
8. The amount of water claimed is 0.074 cubic foot of water per second of time, absolute; however, there is no evidence on the site that the spring has ever been developed and the water applied to beneficial use. The water is not now being used.

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3. The applicant intends to develop the spring and install a pump and pipeline to a residence which has not yet been constructed.

The Referee does therefore conclude that the above entitled application should be granted in part and that 0.044 cubic feet of water per second of time with appropriation date of July 15, 1963, is hereby awarded conditionally to the Roe Spring for domestic and livestock water purposes, provided always that said 0.044 cubic feet of water per second of time is on the condition that said quantity of water be applied to a beneficial use within a reasonable time; subject, however, to all earlier priority rights of others and to the integration and tabulation by the Division Engineer of such priorities and changes of rights in accordance with law.

Application for a quadrennial finding of reasonable diligence shall be filed in July of 1983 and in July of every fourth calendar year thereafter so long as claimant desires to maintain this conditional water right or until a determination has been made that this conditional water right has become an absolute water right by reason of the completion of the appropriation.

It is accordingly ORDERED that this ruling shall be filed with the Water Clerk and shall become effective upon such filing, subject to Judicial review pursuant to Section 37-92-304, C.R.S. 1973.

It is further ORDERED that a copy of this ruling shall be filed with the appropriate Division Engineer and the State Engineer.

Done at the City of Glenwood Springs, Colorado, this 30<sup>th</sup> day of July, 1979.

BY THE REFEREE:

*Jim Cole*  
Water Referee  
Water Division No. 5  
State of Colorado

10/19/79  
*John Smith*

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# STATE OF COLORADO

## OFFICE OF THE STATE ENGINEER

Division of Water Resources  
Department of Natural Resources  
1313 Sherman Street, Room 818  
Denver, Colorado 80203  
Phone (303) 866-3581  
FAX (303) 866-3589



November 2, 1995

**TIM ROE**  
**1998 ODIN DRIVE**  
**SILT CO 81652**

RE: Receipt 391234 A & B

Roy Romer  
Governor

James S. Lochhead  
Executive Director

Hal D. Simpson  
State Engineer

Dear Mr. Roe;

The enclosed applications are being returned to you for correction and/or additional information. Due to the volume of applications received, I have been unable to return these to you before now. I apologize for this delay. In order to properly complete the evaluation of your applications, the following changes and/or clarification must be made:

- 1) In item (7) of each application, you have indicated that the well will not be the *only* well on the designated 140 acre tract. In order to approve an application for the use that you are requesting, without having an *augmentation* source, you will need to indicate that each respective well will be the only well on a 35 or more acre tract.  
For new wells on 35+ acre tracts, we plot the property description on USGS topographic maps. A metes and bounds survey description is required for odd shaped tracts, **however**, if you wish to designate the respective 40 acre quarter quarters that each of the well sites is located on, a metes and bounds survey is not required. I have provided a highlighted copy of the Hunter Mesa map, showing your proposed well locations, the outline of your 140 acre tract, and an outline of the 40 acre quarter quarters that you may wish to designate for each well. **If you decide to dedicate 40 acres to each well, correct item (7) to "yes", and "40 acres", and item (10) to "SW ¼, SW ¼, Sec. 13", or "NW ¼, NW ¼, Sec. 24" as appropriate.**
- 2) Please **check** the appropriate entries at the **top of the application**. "Permit to construct, permit to use ground water, and permit to install a pump".
- 3) You may wish to also check **"livestock"** in item (3) of the applications.
- 4) Please complete item (4), to indicate that you intend to use a **"Colorado Licensed"** driller, or you may provide the name of the driller that you intend to use.

**NOTE: Please make CORRECTIONS in BLACK INK, and INITIAL, and DATE any changes.**

In item (12) of your applications you indicate that you have a water right, case W-3918. In my review of our files, I found that the conditional water right for Roe Spring, 0.044 cfs, was *abandoned*, on November 8, 1983, by order of the court. I have enclosed a courtesy copy of this file for your reference.

**When resubmitting your application(s) and enclosures, please review this letter and use it as a check list to ensure that all items discussed above have been adequately addressed, corrected and/or clarified.** This will help expedite the evaluation and processing of the returned applications. Once corrected applications are resubmitted to this office, I will merge it into the applications currently being reviewed. If you have any other questions, please contact this office at 303/866-3587, between 8:00 and 5:00, Monday through Friday. When making inquiries, reference this letter and the above receipt number(s). Thank you for your understanding and cooperation.

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Sincerely,

Tamara L. Cunningham  
Water Supply Branch, South Region

enclosures

cc: file

5  
**DIVISION CHECKLIST**  
**WELL PERMIT APPLICATIONS**

88-01  
JUL 02 1997

Permit  
Receipt # 171875  
WATER RESOURCES  
STATE ENGINEER  
FORD

Applicant Name ROE, Timothy

Application in **BLACK** ink

Type of permit application Correct Fee  Check # 1183

GWS-11

- 1) GWS-46 Monitoring/Observation
- 2) GWS-45 General Purpose \_\_\_\_\_
- 3) GWS-44 Residential
- 4) GWS-49 New Household Only
- 5) GWS-50 New 35+ Acre Residential
- 6) GWS-12 Late Registration  Field Insp. report by \_\_\_\_\_

Previous permit # 171875 Monitor Hole # \_\_\_\_\_ VE# \_\_\_\_\_

River System Colorado

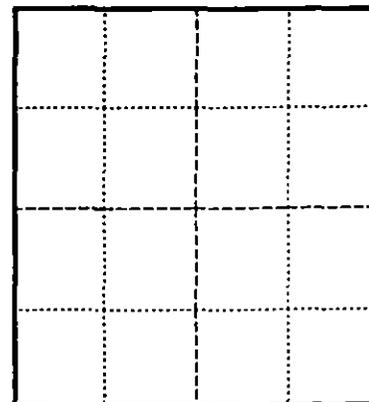
Location 1/4 1/4 Section TWP. RNG 1 P.M.

- Over-appropriated**
  - Subdivided before June 1, 1972
  - Subdivision Name \_\_\_\_\_ Lot # \_\_\_\_\_ Filing \_\_\_\_\_
  - Required** Attachments (proof of pre-1972, legal description or plat)

- Non-overappropriated**

**Variance type well**

- Request for variance
- Construction diagram
  
- Topographical quad name \_\_\_\_\_
- 600-foot Spacing
- County parcel number \_\_\_\_\_



Comments Looks good to accept GWS-42.  
Applicant was submitted without fee and  
held for proper fee

SIGNATURE [Signature]

DATE 7/1/97



**COLORADO**  
Division of Water Resources  
Department of Natural Resources

1313 Sherman Street, Room 821  
Denver, CO 80203

Permit No. 191875 Rec No. ~~891234A~~

0391234A

MEMORANDUM

Date: August 7, 2015  
To: Glenn Hartmann, Garfield County, Community Development Department  
From: Megan Sullivan, P.E., Water Resource Engineer  
Re: Roe Accessory Dwelling Unit; GAPA - 8285

---

We have reviewed the proposal to construct an Accessory Dwelling Unit (ADU) on a parcel of approximately 40 acres in size, described as Lot 5 of the Roe Subdivision Exemption and located at 6650 County Road 319, Rifle, CO 81650. The property currently has an existing single family residence, access road and utilities in place. The applicant does not propose to create a new lot or change the size of the existing lot. The current water supply to the lot is provided by a well, currently permitted under Permit No. 191875, which the applicant has indicated would be shared between the single family dwelling and the ADU. The applicant proposes to utilize a septic system and leach field for the ADU. An existing septic system currently serves the existing single family dwelling.

According to our records, Well Permit No. 191875 was issued on December 11, 1995 as the only well on a 40 acre parcel. The use of groundwater from the well is limited to ordinary household purposes in up to three single family dwellings, fire protection, the watering of poultry, domestic animals, and livestock on farms and ranches, and the irrigation of not over one acre of home gardens and lawns. The pumping rate of this well shall not exceed 15 gpm. The well was constructed on February 26, 1997 and the permit is valid.

The applicant's proposal indicates that the well currently serves a single family residence. The proposed ADU would be considered, for the purposes of well permitting, to be an additional single family dwelling. As long as the uses of the well do not exceed those allowed under the permit, in particular no more than three single family dwellings, and the well remains the only well of this type on the 40 acre parcel, this office has no objection to the well also serving the proposed ADU.

Please feel free to contact me at 303-866-3581 if you or the applicant has any questions.



DISCOVERY 9/27/2021 FROM ACCESS LOOKING NE



DISCOVERY 9/27/2021 FROM ACCESS LOOKING SW



10/6/2021 RESPONSE EXCAVATION

