RESOURCE ENGINEERING INC.

Resource Engineering, Inc.
909 Colorado Avenue
Glenwood Springs, CO 81601
(970)-945-6777 Voice
(970)-945-1137 Facsimile

Memorandum

To: BWCD BOARD OF DIRECTORS

From: ERIC MANGEOT

CC: CHRIS GEIGER

Date: APRIL 6, 2015

File: APPLICATION – JEFF AND CATHY TUTTLE

Applicant Name: Jeff and Cathy Tuttle

Type of Use: Domestic __X__ Commercial _____
Industrial _____ Agricultural _____

Amount: __1.0__ AF __0.067__ cfs __30__ gpm

Location: Area A __A-4__ Area B _____ Inclusion _____
County: __GARFIELD__ Contiguous: ____
BWCD Division: __1__

Mid Valley Metro District Notice Required? Yes____ No__X__

Blue Creek Water Rights Applied? Yes____ No__X__

02CW77 Umbrella Plan Water Rights Applied? Yes__X__ No_____ **Cost:** __$1,200__

This application is to cover depletions associated with 10,000 square feet of lawn and landscape irrigation for an existing lot owned by Jeff and Cathy Tuttle (Applicant). The lot is located at 183 County Road 167 in Garfield County (Parcel No. 239501400106) and is located in Division 1 of the District. Total depletions are 0.6 acre-feet (AF) as estimated by Resource Engineering, Inc.

Diversions are to be from a proposed surface diversion out of the Roaring Fork River to be located in the NW1/4 SE1/4 of Section 1, Township 7 South, Range 89 West, of the 6th P.M. at a point 2,181 feet from the North section line and 2,146 feet from the East section line.

A copy of the water requirement table is attached along with a BWCD map showing the location of the property.

Water User :	Jeff and Cathy Tuttle
Analysis Date :	April 6, 2015
District Area:	A
Source Series:	4
Maximum Demand:	30 (GPM) 0.067 (CFS)

BASALT WATER CONSERVANCY DISTRICT
WATER REQUIREMENTS
(acre feet)

	Total Demand						Consumptive Use							
Month	(1) Domestic In-house	(2) Commercial or Other	(3) Lawn Irrigation	(4) Crop Irrigation	(5) Livestock	(6) TOTAL	(7) Domestic In-house	(8) Commercial or Other	(9) Lawn Irrigation	(10) Crop Irrigation	(11) Livestock	*(12) TOTAL	*(13) Delayed Depletions	(13) Source of Aug/Replace
January	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	GNM
February	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	GNM
March	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	GNM
April	0.000	0.000	0.029	0.000	0.000	0.029	0.000	0.000	0.023	0.000	0.000	0.025	**0.025**	GNM
May	0.000	0.000	0.115	0.000	0.000	0.115	0.000	0.000	0.092	0.000	0.000	0.101	**0.101**	GNM
June	0.000	0.000	0.140	0.000	0.000	0.140	0.000	0.000	0.112	0.000	0.000	0.123	**0.123**	GNM
July	0.000	0.000	0.135	0.000	0.000	0.135	0.000	0.000	0.108	0.000	0.000	0.119	**0.119**	GNM
August	0.000	0.000	0.083	0.000	0.000	0.083	0.000	0.000	0.067	0.000	0.000	0.073	**0.073**	GNM
September	0.000	0.000	0.076	0.000	0.000	0.076	0.000	0.000	0.061	0.000	0.000	0.067	**0.067**	GNM
October	0.000	0.000	0.031	0.000	0.000	0.031	0.000	0.000	0.025	0.000	0.000	0.027	**0.027**	GNM
November	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	GNM
December	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	GNM
TOTALS -->	0.000	0.000	0.609	0.000	0.000	0.609	0.000	0.000	0.487	0.000	0.000	0.536	**0.536**	

Assumptions

(1)	NUMBER OF RESIDENCES	0		(5)	# of Livestock @ 11 gals/day	0
	# persons/residence	3.5				
	# gallons/person/day	100		(7)	% CU for Domestic/Commercial	15
(2)	Commercial/Other Demand (af)	0.000	Office	(9)	% Lawn Irrig. Efficiency	80
					Consumption of Irrig. (af/ac)	2.159
(3)	Sq. Ft. of Lawn Irrigated	10,000		(10)	% Crop Irrig. Efficiency	80
	Lawn Application Rate (af/ac)	2.699			Consumption of Irrig. (af/ac)	0.000
(4)	Acres of Crop Irrigated	0.00		(9-10)	Elevation (feet)	5930
	Crop Application Rate (af/ac)	0.000				

Area A-4
Surface Diversion
Roaring Fork River

*(12), (13) Total Includes 5% Transit Loss
10% from Green Mtn.

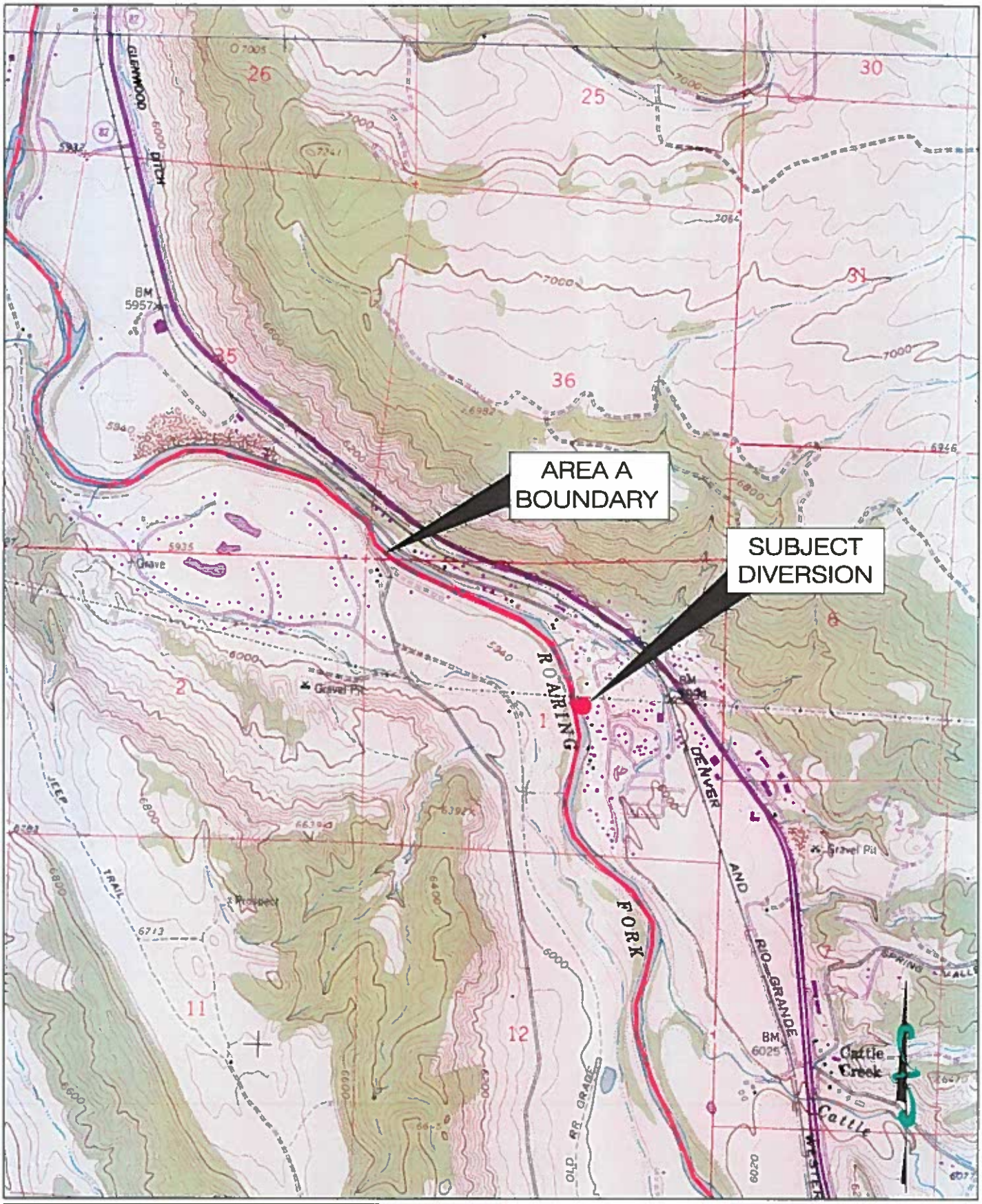


Figure 1: Jeff and Cathy Tuttle

File: 033-7.2
Date: 04/08/15

Basalt Water Conservancy District

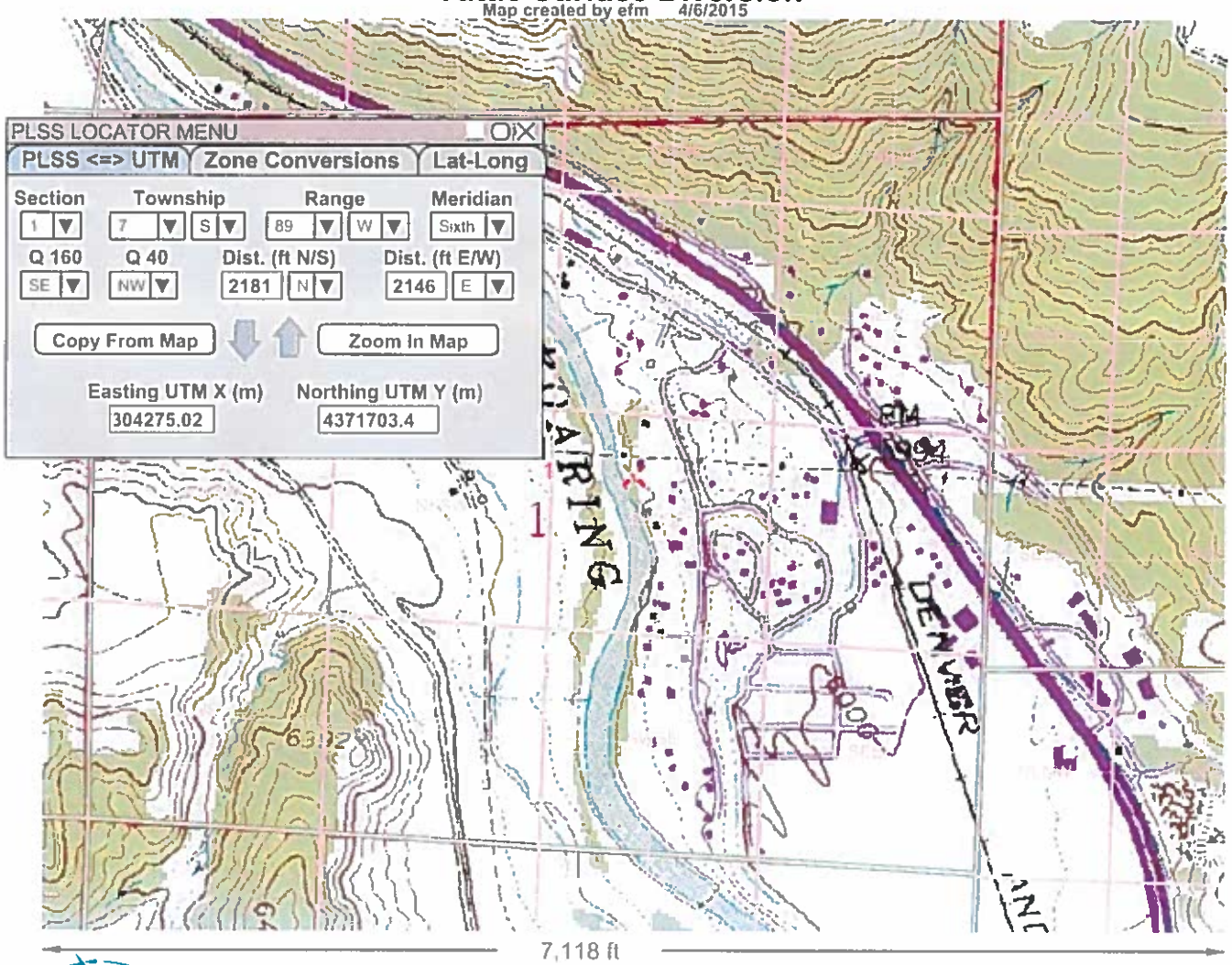
0 1,000 2,000 3,000

Scale: 1"=2,000'

RESOURCE ENGINEERING, INC.
909 Colorado Avenue
Glenwood Springs, CO 81601
(970) 945-8777 Voice 945-1137 Facsimile

AQUAMAP
Colorado Division of Water Resources
Tuttle Surface Diversion

Map created by efm 4/6/2015



Based on work developed at http://www.carto.net

Address location by Bing Maps
AquaMap Version 3.0 1 July 5, 2009

MAP NAVIGATION

Click to create PDF
UTM X, Zone 13: 305342
UTM Y, Zone 13:4371803
Long: -107° 15' 47.0"
Lat: 39° 28' 25.7"
UTM and Geographic(LL) coordinates in NAD 83

DATA DISPLAY

- Background
- Quad Maps
- Low / High Transparency
- Counties
- PLSS
- Roads
- Hydrography
- County Parcels (No Public Access)
- Towns
- Water Well Applica
- DWR Parcels
- EPA Well Notificati
- Oil/Gas Well Locati
- More Data

LOCATION

Section 1 | Township 7 S | Range 89 W | Meridian Sixth

PLSS Locator | Quick Zoom | Spacing

PRINTING

Output Scale: 12,000 | Page Size: 8.5x11 | User: efm

Title: Tuttle Surface Diversion

Note: The well locations displayed on AquaMap are based on location information provided by well permit application forms and are only as accurate as the information provided. The actual physical locations of all wells have not been field verified and may vary from the location displayed. Refer to a copy of the original well permit file, available on the Division of Water Resources website, for well location details.

COLORADO DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES

STATE OF COLORADO 1876

Rev. 06/12

APPLICATION FOR WATER ALLOTMENT CONTRACT
BASALT WATER CONSERVANCY DISTRICT

1. Applicant(s) Contact Information

   a. Name: Jeff & Cathy Tuttle

   b. Mailing Address:
   183 County Rd 167
   Glenwood Springs, CO 81601

   c. Street Address:
   183 County Rd 167
   Glenwood Springs, CO 81601

   d. Telephone Numbers: Jeff Tuttle 970-379-5026 jeff@tss-us.com
   Cathy Tuttle 970-274-1835 ctuttle@rof.net

   e. Email Address:

   f. If Applicant is represented by an Attorney, please provide the Attorney's contact information, including name, address, telephone, and email:
   N/A

   g. Emergency Local Contact Information, including name, address, telephone, and email:
   Jeff Tuttle 183 County Rd 167 GSC 81601
   jeff@tss-us.com
   970-379-5026

   h. Contact Information of property manager, caretaker, irrigator, system operator, or agent who should be provided a copy of this contract, including name, address, telephone, and email:
   N/A

2. Type of land use (development) proposed for water allotment contract (i.e. single family home, subdivision, gravel pit, etc.):
   Single Family Home

3. Legal description and address of property on which District's water rights and/or contract water will be used (attach map and vesting deed with proof of ownership)*:
   See Attached

4. Elevation of property: __X__ 6–7,000 ft., _____ 7–8,000 ft., _____ 8–9,000 ft.

5. Name and legal description of water supply diversion point(s):

   Name of Diversion Roaring Fork River.

   Type of Diversion Pipeline (e.g., a well, spring, ditch, pipeline, etc.)

   Legal Description: _____ Quarter, _____ Quarter, Section ___, Township ____ N / S, Range _____ E / W, of the 6th Principal Meridian, at a location _____ feet from the _____ Section line and _____ feet from the ____ Section line.

   UTM Coordinates (NAD 83):

   Northing: 4371703.4.

   Easting: 304275.02.

   _____ Zone 12 / __X__ Zone 13.

   If diversion point is a well, please provide the Well Permit No. _____.

   Is the well operational/active? _____ Yes, _____ No

   Is there currently an operating well meter? _____ Yes, _____ No

   Notice: A valid well permit with operating well meter will be required under the contract.

6. Legal Water Supply: (please check one)

   __X__ Applicant requests consideration by the District to be included in the District's Umbrella Plan for Augmentation decreed in Case No. 02CW77.*

   *Note: Certain applicants may qualify to be included in the District's Umbrella Plan at the District's discretion. In order to be included in the District's Umbrella Plan, the Applicant's depletions must occur within the District's defined "Area A" and the Applicant must

reimburse the District its *pro rata* share of the District's expenses in obtaining the Umbrella Plan decree. Costs of reimbursement range from $1,200 for contractees with less than 2 units (EQRs) to $3,000 for more than 8 EQRs.

_____ Applicant will obtain its own plan for augmentation by applying to the Water Court, Water Division 5 within 2 years of this application. If Applicant has already applied for its own change/approval of plan for augmentation, the Water Court Case Number is: _____.

7. Proposed waste water treatment system: (please check) N/A

   _____ Tap to central waste water treatment facility
   _____ Septic tank/leachfield system
   _____ Evapotranspiration system
   _____ Other:

8. Proposed use of water (please check)

   _X_ Domestic/Municipal (single family home(s), duplex(s), condominium(s), mobile home(s), apartment). Please complete page four of this application.
   _____ Commercial (hotel, office, warehouse, restaurant, bar, retail). Please complete page five of this application.
   _____ Industrial (gravel pit, manufacturing). Please complete page six of this application.
   _____ Agricultural (crop irrigation, stock watering). Please complete page seven of this application.

Date on which the county or other applicable governmental entities approved the land use for which you seek legal water service: _____. (Note: Copy of the Resolution of other documentation evidencing such approval should be submitted with application.)

9. What other water rights are associated with or used on the property?

   Well (See Attached)

10. What other uses of water occur on the property?

Please complete the section below if you selected domestic/municipal use on Page 3, No. 8

DOMESTIC/MUNICIPAL WATER USES

In-House

Covered by well.

Single family residential home(s) Number of Units: 1

Duplex(s) Number of Units: _____

Condominium(s) Number of Units: _____

Apartment(s) Number of Units/Rooms: _____

Mobile Home(s) Number of Units: _____

Irrigation (lawns, parks, open space)

Total area to be irrigated 10,000 Sq. Ft. or _____ Acres

Type of irrigation system (please check)

X Sprinkler

_____ Flood (irrigation ditch)

Domestic stock watering (cattle, horses) N/A

Number of animals:

Period of use (months):

Other domestic/municipal uses not listed: N/A

Please complete this page if you selected commercial use on Page 3, No. 8

COMMERCIAL WATER USES

In-House

Hotel: _____

Office(s), square footage: _____

Warehouse/distributor, square footage: _____

Retail, square footage: _____

Restaurant, number of seats: _____

Bar, number of seats: _____

Irrigation (lawns, parks, open space)

Total area to be irrigated _____ Sq. Ft. or _____ Acres

Type of irrigation system (please check)

_____ Sprinkler

_____ Flood (irrigation ditch)

Other Commercial Uses Not Listed:

Please complete this page if you selected industrial use on Page 3, No. 8

INDUSTRIAL WATER USES

Please describe your industrial development in some detail:

Irrigation (lawns, parks, open space)

Total area to be irrigated _____ Sq. Ft. or _____ Acres

Type of irrigation system (please check)

_____ Sprinkler
_____ Flood (irrigation ditch)

Please complete this page if you selected agricultural use on Page 3, No. 8.

AGRICULTURAL WATER USE

Irrigation

Type of crop(s) (pasture, alfalfa, beans, etc.) and irrigation system:

Crop: _____ Acres: _____ Sprinkler: _____ Flood:

Crop: _____ Acres: _____ Sprinkler: _____ Flood:

Crop: _____ Acres: _____ Sprinkler: _____ Flood:

Crop: _____ Acres: _____ Sprinkler: _____ Flood:

Stock Watering (cattle, horses)

Number of animals:

Months of use:

Other agricultural uses not listed:

VERIFICATION

STATE OF Colorado)
) ss.
COUNTY OF Garfield)

I, Cathy Tuttle (name of Applicant or Applicant's duly authorized representative), being first duly sworn, upon oath, depose and state as follows:

1) I am the Applicant or a duly authorized officer, manager, agent or attorney-in-fact for the Applicant for this Application for Water Allotment Contract;
2) I have read and know the contents of this Application;
3) The information contained herein is an accurate and complete description of the Applicant's intended use of the Basalt Water Conservancy District's water rights;
4) The Applicant acknowledges that the accuracy and truth of all statements in this Application are conditions of approval of this Application by the Basalt Water Conservancy District and of the Contract to be made pursuant to such approval; and
5) I acknowledge that this application shall be subject to the District's Water Allotment Contract as approved and issued by the District.

Date: April 4, 15

By: Cathy Tuttle

Print Name: Cathy Tuttle

Title: Owner

Subscribed and sworn before me this 4 day of April, 2015 by Cathy Tuttle.

Witness my hand and seal.

Jody J Baehr
Notary Public

My commission expires:
07-29-2017

JODY J BAEHR
Notary Public
State of Colorado
Notary ID 20014022586
My Commission Expires Jul 29, 2017