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 EFM
CC: CHRIS GEIGER
Date: AUGUST 21, 2006
File: APPLICATION
Re: GEORGE AND JANET LAPIN

K 503

Applicant Name: GEORGE AND JANET LAPIN

Type of Use: Domestic _X_ Commercial ___
Industrial ____ Agricultural ____

Amount: _22.4_ AF _0.223_ CFS _100_ gpm

Location: Area A _X_ Area B ____ Inclusion ____

County: _EAGLE_ Contiguous: ____

BWCD Division: _6_

Mid Valley Metro District Notice Required?: Yes ___ No _X_

Blue Creek Water Rights Applied? Yes ___ No _X_

Comments: This application seeks a contract to cover depletions from one single family dwelling and ADU, 10 livestock, 10 acres of landscape and pasture irrigation, and evaporation from a 10,000 square foot pond from an existing well. Total depletions will be approximately 22.4 AF annually.

The property is 35.51 acres located southwest of El Jebel. The physical address of the property is 1434 Hooks Spur Road, Basalt, Colorado. Based on the property location, it would be projected to be included in BWCD Division 6.

The property is currently served by an existing well (permit no. 238019) located in the NE1/4 NE1/4 of Section 9, Township 7 South, Range 87 West, of the 6th

P.M. at a distance of 50feet from the north section line and 835 feet from the east section line.

The Applicant owns other water rights in the Mesa Ditch and the Vineyard Lateral Ditch. These water rights are unreliable in dry years and the late irrigation season. The Applicant intends to drill up to 3 new wells. If the application is approved, the Applicant must convert their existing well permit to a "-F" permit with the State and reference the BWCD contract, as well as any new wells drilled on the property. In addition, the BWCD shall receive copies of all well permits.

Water User :	George and Janet Lapin
Analysis Date :	August 21, 2006
District Area:	A
Source Series:	4
Maximum Demand:	100 (GPM) 0.223 (CFS)

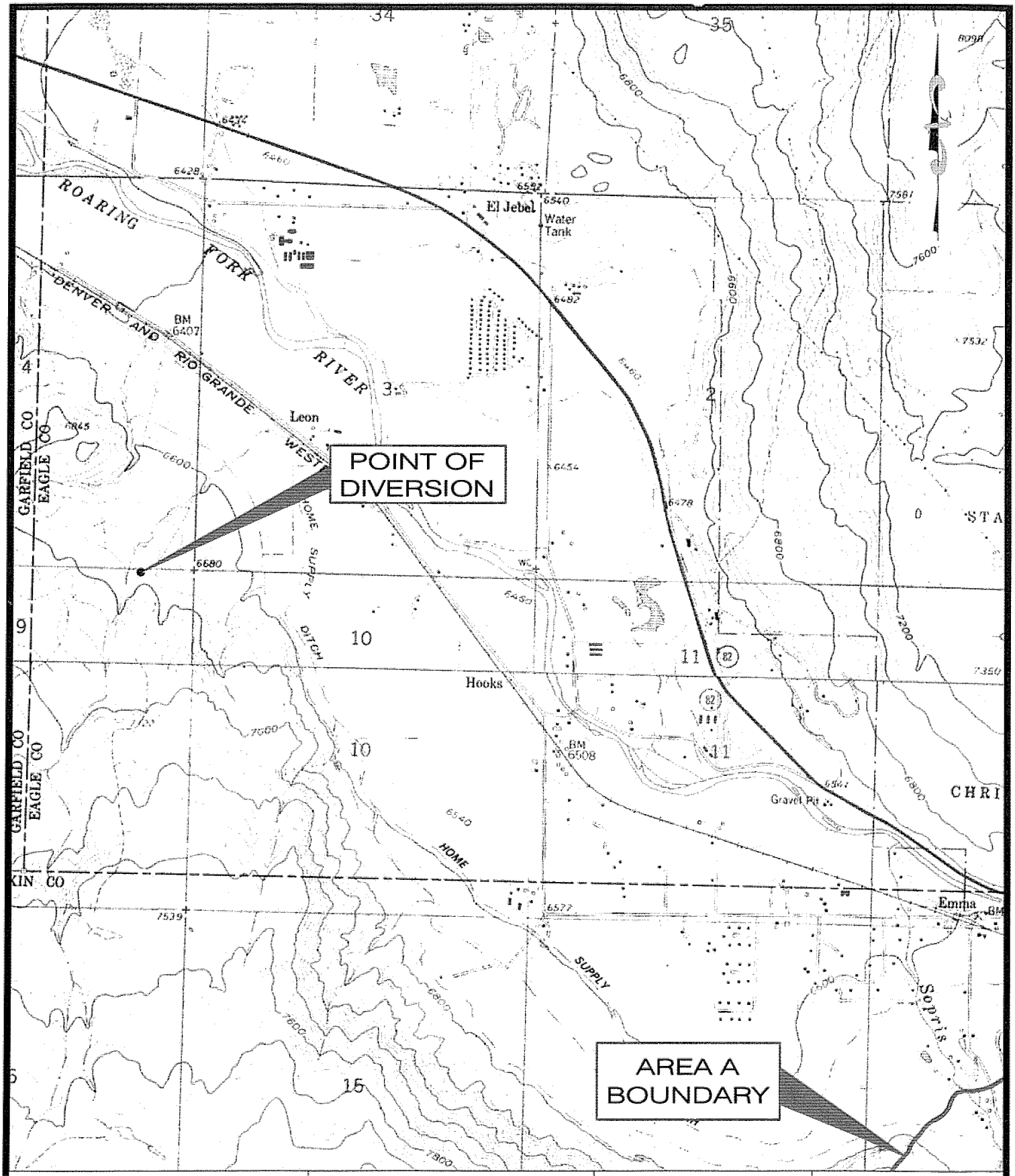
BASALT WATER CONSERVANCY DISTRICT
WATER REQUIREMENTS
(acre feet)

	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) Source of Aug/Replace
January	0.067	0.009	0.000	0.000	0.010	0.090	0.010	0.009	0.000	0.000	0.010	0.032	GNM
February	0.060	0.026	0.000	0.000	0.009	0.100	0.009	0.026	0.000	0.000	0.009	0.049	GNM
March	0.067	0.052	0.000	0.000	0.010	0.135	0.010	0.052	0.000	0.000	0.010	0.079	GNM
April	0.064	0.077	0.000	0.586	0.010	0.775	0.010	0.077	0.000	0.468	0.010	0.622	GNM
May	0.067	0.108	0.000	4.611	0.010	5.036	0.010	0.108	0.000	3.689	0.010	4.199	GNM
June	0.064	0.133	0.000	5.927	0.010	6.442	0.010	0.133	0.000	4.742	0.010	5.385	GNM
July	0.067	0.138	0.000	5.585	0.010	6.089	0.010	0.138	0.000	4.468	0.010	5.088	GNM
August	0.067	0.112	0.000	3.339	0.010	3.704	0.010	0.112	0.000	2.671	0.010	3.084	GNM
September	0.064	0.095	0.000	3.054	0.010	3.384	0.010	0.095	0.000	2.443	0.010	2.813	GNM
October	0.067	0.065	0.000	0.867	0.010	1.059	0.010	0.065	0.000	0.694	0.010	0.857	GNM
November	0.064	0.034	0.000	0.000	0.010	0.114	0.010	0.034	0.000	0.000	0.010	0.060	GNM
December	0.067	0.013	0.000	0.000	0.010	0.094	0.010	0.013	0.000	0.000	0.010	0.037	GNM
TOTALS -->	0.784	0.861	0.000	23.969	0.123	**27.024**	0.118	0.861	0.000	19.175	0.123	**22.304**	

Assumptions

(1)	NUMBER OF RESIDENCES	2	(5)	# of Livestock @ 11 gals/day	10
	# persons/residence	3.5			
	# gallons/person/day	100	(7)	% CU for Domestic/Commercial	15
(2)	Commercial/Other Demand (af)	0.000	(9)	% Lawn Irrig. Efficiency	80
	Pond Evaporation (10,000 ft^2)	**0.861**		Consumption of Irrig. (af/ac)	0.000
(3)	Sq. Ft. of Lawn Irrigated	0	(10)	% Crop Irrig. Efficiency	80
	Lawn Application Rate (af/ac)	0.000		Consumption of Irrig. (af/ac)	1.931
(4)	Acres of Crop Irrigated	10.00	(9-10)	Elevation (feet)	6760
	Crop Application Rate (af/ac)	2.414			

*(6) (12) Total Includes 5% Transit Loss
10% for Green Mountain (Column 12 only)



DATE: 08/21/06	JOB NUMBER: 033-7.2	CHECKED BY: RSF	SCALE: 1'=2000'

RESOURCE ENGINEERING, INC.
909 COLORADO AVE. ■ GLENWOOD SPRINGS, CO 81601
(970) 945-6777 ■ FAX (970) 945-1137

GEORGE AND JANET LAPIN
Location Map

FIGURE 1

Rev. 05/06

APPLICATION FOR WATER ALLOTMENT CONTRACT
BASALT WATER CONSERVANCY DISTRICT

1. Applicant(s) Name(s): **George and Janet Lapin**

   Applicant(s) Mailing Address: **P.O. Box 1235, Basalt CO 81621**

   Applicant(s) Street Address: **1434 Hooks Spur Road, Basalt, CO 81621**

   Applicant(s) Telephone No(s).: **970-927-4471 (main) / 970-927-9057 (fax)**

   Applicant(s) E-mail Address: **lapinjanet@aol.com**

   Attorney Info (Name, Address, Telephone and Fax Nos., E-mail):

   Kevin L. Patrick, Esq., PATRICK MILLER & KROPF, P.C.,
   730 East Durant Avenue, Suite 200, Aspen, CO 81611
   Tel. 970-920-1028 / Fax. 970-925-6847
   Email: *patrick@waterlaw.com*

   Emergency Contact Information (Name, Address, Telephone and Fax Nos.):

   George and Janet Lapin
   1434 Hooks Spur Road, Basalt CO 81621
   970-927-4471 (home) / 970-948-4780 (cell) / 970-927-9057 (fax)

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

   Ordinary household uses in 1 (one) single family residence and 1 (one) accessory dwelling unit, including home garden/lawn irrigation, pasture of up to 10 acres, and livestock watering for ten (10) head and pond evaporation from a surface acreage of up to 10,000 square feet of pond area.

3. Legal description of property on which District's water rights and/or contract water shall be used; Quarter, Quarter, Section, Township, Range (attach map and vesting deed with proof of ownership)*:

   See attached Warranty Deed (containing legal description for property).

4. Elevation zone 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): include Quarter Quarter, Section, Township, Range, bearing and distance from nearby Section corner. (Identify if well, spring, pipeline, etc.) If diversion point is a well, please provide the State Permit No. __238019__.

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

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

6. Has Applicant applied with the Water Court for water rights, change of water rights and/or a water right plan for augmentation? _____ Yes, ___X___ No; If yes, what is the Water Court Case No.

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

_____ Tap to central waste water treatment facility
___X___ 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, hotel). Please complete page three of this application.
_____ Commercial (office, warehouse, restaurant, bar, retail). Please complete page four of this application.
_____ Industrial (gravel pit, manufacturing). Please complete page four of this application.
___X___ Agricultural (crop irrigation, stock watering). Please complete page five of this application.

Date on which the county or other applicable governmental entities approved the land use for which you seek legal water service: ___**unknown**___. (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?

Mesa Ditch decreed for 0.7 cfs, for irrigation purposes, decreed on August 15, 1930, with an appropriation date of May 15, 1889; and

Vineyard Lateral Ditch decreed for 0.3 cfs (0.1 cfs for irrigation purposes and 0.2 cfs for domestic purposes), decreed on August 15, 1930 with an appropriation date of May 15, 1910.

Both the Mesa Ditch and Vineyard Lateral Ditches are recognized as Senate Document 80 beneficiaries and characterized by the Federal Government under Operating Principles of Green Mountain Reservoir as irrigation water rights and hence beneficiaries of the "Historic Users Pool", which is limited to releases for agricultural purposes.

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

Applicants' have a pond that measures approximately 30' x 40' with an average depth of 3.5 feet containing 6,000-8,000 gallons of water; the surface area measures approximately 1,200 square feet.

Please complete this page if you checked domestic/municipal use on Page 2, No. 8

DOMESTIC/MUNICIPAL WATER USES

In-House

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

Duplex(s) Number of Units: 0

Condominium(s) Number of Units: 0

Hotel/Apartment(s) Number of Units/Rooms: 1

Mobil Home(s) Number of Units: 0

Irrigation (lawns, parks, open space)

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

Type of irrigation system (please check)

X Sprinkler

_____ Flood (irrigation ditch)

Domestic stock watering (cattle, horses)

Number of animals: **approximately 10 horses**

Period of use (months): **12 months**

Other domestic/municipal uses not listed:

Please complete this page if you checked commercial or industrial use on Page 2, No. 8

COMMERCIAL WATER USES

In-House

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:

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 checked agricultural use on Page 2, No. 8.

AGRICULTURAL WATER USE

Irrigation

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

Crop: **Pasture Grass** Acres: **10** Sprinkler: **YES** Flood:

Crop: _____ Acres: _____ Sprinkler: _____ Flood:

Crop: _____ Acres: _____ Sprinkler: _____ Flood:

Crop: _____ Acres: _____ Sprinkler: _____ Flood:

Stock Watering (cattle, horses)

Number of animals: **approximately 10 horses**

Months of use: **12 months**

Other agricultural uses not listed:

VERIFICATION

STATE OF COLORADO)
) ss.
COUNTY OF PITKIN)

I, **GEORGE LAPIN** (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: 6·9·06

By: _____

Print Name: GEORGE T. LAPIN

Title: Owner

Subscribed and sworn before me this 9th day of June, 2006 by George Lapin.

Witness my hand and seal.

_____
Notary Public

My commission expires: 2/10/10

NANCY A. KOSTKO NOTARY PUBLIC STATE OF COLORADO

My Commission Expires Feb. 8, 2010