


Memorandum

To: BWCD BOARD OF DIRECTORS
From: ERIC MANGEOT 
CC: CHRIS GEIGER
Date: JULY 30, 2018
File: APPLICATION AND INCLUSION

Applicant Name: Robert and Maureen Oxenberg

Type of Use: Domestic Commercial
 Industrial Agricultural

Amount: 4.2 AF 0.132 cfs 60 gpm

Location: Area A Area B Inclusion
 County: PITKIN Contiguous: No (To Division Boundary)
 BWCD Division: 7

Mid Valley Metro District Notice Required? Yes No

Blue Creek Water Rights Applied? Yes No

02CW77 Umbrella Plan Water Rights Applied? Yes No **Cost:** \$5,000

This application is to cover depletions associated with in-house use, 52,000 square feet of irrigation, and pond evaporation with annual filling as further described below. Total contract depletions are 4.2 acre-feet as shown on the attached tables.

The property is approximately 38.67 acres and is owned by Robert and Maureen Oxenberg (Applicants) in Pitkin County, Colorado (Parcel No. 246725400007). The parcel is primarily located in the S1/2 of Section 25, Township 8 South, Range 86 West of the 6th P.M. The physical address of the property is 2520 Lower River Road, Snowmass, Colorado. The property requires inclusion into the District as it is located outside of the Division 7 boundary. A BWCD map is also attached showing the location of the property.

The sources of supply area as follows:

- Oxenberg Well A – serves large single family home and 10,000 square feet of irrigation. The well is located in the NW1/4 SE1/4, Section 25, Township 8 South, Range 86 West of the 6th P.M. at a point 1,622 feet from the South section line and 1,569 feet from the East section line in Pitkin County; UTM coordinates: Easting 0332656, Northing 4354707 (Zone 13).
- Oxenberg Well B – serves large single family home and 10,000 square feet of irrigation. The well will also provide water to the Oxenberg Pond as described above. The well is located in the SW1/4 SE1/4, Section 25, Township 8 South, Range 86 West of the 6th P.M. at a point 1,219 feet from the South section line and

2,007 feet from the East section line in Pitkin County; UTM coordinates: Easting 0332519, Northing 4354587 (Zone 13).

- Oxenberg Well C – serves Barn plus small ADU, 10,000 square feet of irrigation, and the Oxenberg Pond as further described below. The well is located in the SW1/4 SE1/4, Section 25, Township 8 South, Range 86 West of the 6th P.M. at a point 752 feet from the South section line and 2,053 feet from the East section line in Pitkin County; UTM coordinates: Easting 0332501, Northing 4354445 (Zone 13).
- Oxenberg Lot 6 Well – serves single family home, ADU, and 22,000 square feet of irrigation. The well is located in the SE1/4 SW1/4, Section 25, Township 8 South, Range 86 West of the 6th P.M. at a point 450 feet from the South section line and 2,599 feet from the West section line in Pitkin County; UTM coordinates: Easting 0332323, Northing 4354342 (Zone 13). Current Permit No. 95794.

The Oxenberg Pond is located in the SW1/4 SE1/4, Section 25, Township 8 South, Range 86 West of the 6th P.M. at a point 786 feet from the South section line and 2,149 feet from the East section line in Pitkin County (UTM NAD83 Z13: Easting 0332472, Northing 4354456). The surface area of the pond is 0.25 acres with an estimated volume of 0.184 AF (60,000 gallons). Annual filling expected to occur in May.

The Applicants will need to obtain –F well permits with the Division of Water Resources if the contract is approved and executed. The Applicants also have irrigation rights in the Last Chance Ditch First Enlargement (Priority 371) and the Eli Cerise First Enlargement (Priority 372).

Water User :	Robert and Maureen Oxenberg
Analysis Date :	July 30, 2018
District Area:	A-3
Source Series:	4
Maximum Demand:	15 0.033 (GPM) (CFS)

**BASALT WATER CONSERVANCY DISTRICT
WATER REQUIREMENTS**
(acre feet)
Overall Contract

Month	Total Demand				Consumptive Use						*(13) Delayed Depletions	(14) Source of Aug/Replace		
	(1) Domestic In-house	(2) Pond Evaporation	(3) Domestic Irrigation	(4) Crop Irrigation	(5) Livestock	(6) TOTAL	(7) Domestic In-house	(8) Pond Evaporation	(9) Domestic Irrigation	(10) Crop Irrigation			(11) Livestock	(12) TOTAL
January	0.225	0.009	0.000	0.000	0.000	0.234	0.034	0.009	0.000	0.000	0.000	0.047	0.173	GNM
February	0.203	0.028	0.000	0.000	0.000	0.231	0.030	0.028	0.000	0.000	0.000	0.064	0.181	GNM
March	0.225	0.056	0.000	0.000	0.000	0.281	0.034	0.056	0.000	0.000	0.000	0.099	0.200	GNM
April	0.217	0.084	0.046	0.000	0.000	0.348	0.033	0.084	0.037	0.000	0.000	0.169	0.240	GNM
May	0.225	0.320	0.533	0.000	0.000	1.078	0.034	0.320	0.426	0.000	0.000	0.858	0.519	GNM
June	0.217	0.145	0.697	0.000	0.000	1.060	0.033	0.145	0.558	0.000	0.000	0.810	0.604	GNM
July	0.225	0.150	0.652	0.000	0.000	1.027	0.034	0.150	0.522	0.000	0.000	0.776	0.574	GNM
August	0.225	0.122	0.386	0.000	0.000	0.732	0.034	0.122	0.309	0.000	0.000	0.511	0.479	GNM
September	0.217	0.103	0.353	0.000	0.000	0.674	0.033	0.103	0.283	0.000	0.000	0.460	0.425	GNM
October	0.225	0.070	0.086	0.000	0.000	0.381	0.034	0.070	0.069	0.000	0.000	0.190	0.308	GNM
November	0.217	0.038	0.000	0.000	0.000	0.255	0.033	0.038	0.000	0.000	0.000	0.077	0.224	GNM
December	0.225	0.014	0.000	0.000	0.000	0.239	0.034	0.014	0.000	0.000	0.000	0.053	0.187	GNM
TOTALS -->	2.646	1.141	2.753	0.000	0.000	6.540	0.397	1.141	2.202	0.000	0.000	4.114	4.114	

(1)	NUMBER OF RESIDENCES		Assumptions		(5)	(7)	(8)	(9)	(10)	(9-10)	*(12), (13)
	# persons/residence	# gallons/person/day	EQR	Livestock							
(1)	6.75	3.5	6.75	3.5	0	15	100	80	1.851	80	7050
(2)	1.141	1.141	1.141	1.141	AF	80	1.851	80	1.851	80	7050
(3)	0.250	0.203	0.250	0.203	AF	80	1.851	80	1.851	80	7050
(4)	52,000	2,314	52,000	2,314	AF	80	1.851	80	1.851	80	7050

Oxenberg Wells
Area A-3
Roaring Fork River

Water User :	Robert and Maureen Oxenberg
Analysis Date :	July 30, 2018
District Area :	A-3
Source Series :	4
Maximum Demand:	15 0.033
	(GPM) (CFS)

BASALT WATER CONSERVANCY DISTRICT
WATER REQUIREMENTS
(acre feet)
Oxenber Well A Only

Month	Total Demand				Consumptive Use				*(12) TOTAL	*(13) Delayed Depletions	*(14) Source of Aug/Replace	Type C Well			
	(1) Domestic In-house	(2) Pond Evaporation	(3) Domestic Irrigation	(4) Crop Irrigation	(5) Livestock	(6) TOTAL	(7) Domestic In-house	(8) Pond Evaporation					(9) Domestic Irrigation	(10) Crop Irrigation	(11) Livestock
January	0.067	0.000	0.000	0.000	0.000	0.067	0.010	0.000	0.000	0.000	0.000	0.011	0.035	GNM	0.059
February	0.060	0.000	0.000	0.000	0.000	0.060	0.009	0.000	0.000	0.000	0.000	0.010	0.034	GNM	0.057
March	0.067	0.000	0.000	0.000	0.000	0.067	0.010	0.000	0.000	0.000	0.000	0.011	0.033	GNM	0.056
April	0.064	0.000	0.009	0.000	0.000	0.073	0.010	0.000	0.000	0.000	0.000	0.018	0.036	GNM	0.061
May	0.067	0.000	0.102	0.000	0.000	0.169	0.010	0.082	0.000	0.000	0.000	0.101	0.051	GNM	0.085
June	0.064	0.000	0.134	0.000	0.000	0.199	0.010	0.107	0.000	0.000	0.000	0.129	0.067	GNM	0.112
July	0.067	0.000	0.125	0.000	0.000	0.192	0.010	0.100	0.000	0.000	0.000	0.121	0.073	GNM	0.123
August	0.067	0.000	0.074	0.000	0.000	0.141	0.010	0.059	0.000	0.000	0.000	0.076	0.069	GNM	0.116
September	0.064	0.000	0.068	0.000	0.000	0.132	0.010	0.054	0.000	0.000	0.000	0.070	0.063	GNM	0.106
October	0.067	0.000	0.017	0.000	0.000	0.083	0.010	0.013	0.000	0.000	0.000	0.026	0.054	GNM	0.090
November	0.064	0.000	0.000	0.000	0.000	0.064	0.010	0.000	0.000	0.000	0.000	0.011	0.043	GNM	0.072
December	0.067	0.000	0.000	0.000	0.000	0.067	0.010	0.000	0.000	0.000	0.000	0.011	0.038	GNM	0.063
TOTALS -->	0.784	0.000	0.529	0.000	0.000	1.313	0.118	0.424	0.000	0.000	0.000	0.595	0.595		1.000

Assumptions
**Oxenber Well A
(Type C Well)
Area A-3
Roaring Fork River**

(1)	NUMBER OF RESIDENCES	2	EQR	(5)	# of Livestock @ 11 gals/day	0
	# persons/residence	3.5		(7)	% CU for Domestic	15
	# gallons/person/day	100		(8)	% CU for Evaporation / Pond	100
(2)	Oxenber Pond + May Fill Surface Acres	1.140 AF		(9)	% Lawn Irrig. Efficiency Consumption of Irrig (af/ac)	80
	Pond Volume (66,000 gallons) =	0.250 Acres				1.851
(3)	Sq. Ft. of Lawn Irrigated	10,000		(10)	% Crop Irrig. Efficiency Consumption of Irrig (af/ac)	80
	Lawn Application Rate (af/ac)	2.314				0.000
(4)	Acres of Crop Irrigated	0.00		(9-10)	Elevation (feet)	7050
	Crop Application Rate (af/ac)	0.000				

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

Water User	Robert and Maureen Oxenberg
Analysis Date	July 30, 2018
District Area	A-3
Source Series	4
Maximum Demand	15 0.033 (GPM) (CFS)

BASALT WATER CONSERVANCY DISTRICT
WATER REQUIREMENTS
(acre feet)
Oxenberg Well B Only

Month	Total Demand				Consumptive Use				*(12) TOTAL	*(13) Delayed Depletions	(14) Source of Aug/Replace	Type A Well		
	(1) Domestic In-house	(2) Pond Evaporation	(3) Domestic Irrigation	(4) Crop Irrigation	(5) Livestock	(6) TOTAL	(7) Domestic In-house	(8) Pond Evaporation					(9) Domestic Irrigation	(10) Crop Irrigation
January	0.067	0.000	0.000	0.000	0.000	0.067	0.010	0.000	0.000	0.000	0.011	0.034	GNM	0.057
February	0.060	0.000	0.000	0.000	0.000	0.060	0.009	0.000	0.000	0.000	0.010	0.034	GNM	0.057
March	0.067	0.000	0.000	0.000	0.000	0.067	0.010	0.000	0.000	0.000	0.011	0.034	GNM	0.057
April	0.064	0.000	0.009	0.000	0.000	0.073	0.010	0.007	0.000	0.000	0.018	0.037	GNM	0.062
May	0.067	0.000	0.102	0.000	0.000	0.169	0.010	0.082	0.000	0.000	0.101	0.064	GNM	0.108
June	0.064	0.000	0.134	0.000	0.000	0.199	0.010	0.107	0.000	0.000	0.129	0.080	GNM	0.134
July	0.067	0.000	0.125	0.000	0.000	0.192	0.010	0.100	0.000	0.000	0.121	0.079	GNM	0.132
August	0.067	0.000	0.074	0.000	0.000	0.141	0.010	0.059	0.000	0.000	0.076	0.064	GNM	0.108
September	0.064	0.000	0.068	0.000	0.000	0.132	0.010	0.054	0.000	0.000	0.070	0.060	GNM	0.100
October	0.067	0.000	0.017	0.000	0.000	0.083	0.010	0.013	0.000	0.000	0.026	0.042	GNM	0.070
November	0.064	0.000	0.000	0.000	0.000	0.064	0.010	0.000	0.000	0.000	0.011	0.035	GNM	0.058
December	0.067	0.000	0.000	0.000	0.000	0.067	0.010	0.000	0.000	0.000	0.011	0.034	GNM	0.057
TOTALS -->	0.784	0.000	0.529	0.000	0.000	1.313	0.118	0.424	0.000	0.000	0.595	0.595		1.000

Oxenberg Well B
(Type A Well)
Area A-3
Roaring Fork River

(1)	Assumptions				(5)	(7)	(8)	(9)	(10)	(9-10)
	NUMBER OF RESIDENCES	2	EQR	# of Livestock @ 11 gals/day						
(1)	# persons/residence	3.5			0	15	100			
(2)	# gallons/person/day	100								
(2)	Oxenberg Pond + May Fill Surface Acres	1.140	AF		80	1.851				
(3)	Pond Volume (66,000 gallons) =	0.250	Acres							
(3)	Sq Ft of Lawn Irrigated	10,000			80					
(3)	Lawn Application Rate (af/ac)	2.314			0.000					
(4)	Acres of Crop Irrigated	0.00			7050					
(4)	Crop Application Rate (af/ac)	0.000								

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

Water User :	Robert and Maureen Oxenberg
Analysis Date :	July 30, 2018
District Area :	A-3
Source Series :	4
Maximum Demand:	15 0.033
	(GPM) (CFS)

BASALT WATER CONSERVANCY DISTRICT
WATER REQUIREMENTS
Oxenberg Well C Only
(acre feet)

Month	Total Demand				Consumptive Use				*(12) TOTAL	*(13) Delayed Depletions	(14) Source of Aug/Replace	Ind. Glover	Pump Rate (gpm)
	(1) Domestic In-house	(2) Pond Evaporation	(3) Domestic Irrigation	(4) Crop Irrigation	(5) Livestock	(6) TOTAL	(7) Domestic In-house	(8) Pond Evaporation					
January	0.033	0.009	0.000	0.000	0.000	0.043	0.005	0.000	0.000	0.000	0.000	0.022	0.311
February	0.030	0.028	0.000	0.000	0.000	0.058	0.005	0.000	0.000	0.000	0.000	0.027	0.470
March	0.033	0.056	0.000	0.000	0.000	0.090	0.005	0.000	0.000	0.000	0.000	0.038	0.654
April	0.032	0.084	0.009	0.000	0.000	0.125	0.005	0.084	0.000	0.000	0.000	0.054	0.946
May	0.033	0.320	0.102	0.000	0.000	0.456	0.005	0.320	0.000	0.000	0.000	0.158	3.328
June	0.032	0.145	0.134	0.000	0.000	0.312	0.005	0.145	0.000	0.000	0.000	0.171	2.351
July	0.033	0.150	0.125	0.000	0.000	0.309	0.005	0.150	0.000	0.000	0.000	0.152	2.254
August	0.033	0.122	0.074	0.000	0.000	0.229	0.005	0.122	0.000	0.000	0.000	0.125	1.674
September	0.032	0.103	0.068	0.000	0.000	0.203	0.005	0.103	0.000	0.000	0.000	0.106	1.534
October	0.033	0.070	0.017	0.000	0.000	0.120	0.005	0.070	0.000	0.000	0.000	0.075	0.877
November	0.032	0.038	0.000	0.000	0.000	0.070	0.005	0.038	0.000	0.000	0.000	0.045	0.526
December	0.033	0.014	0.000	0.000	0.000	0.047	0.005	0.014	0.000	0.000	0.000	0.028	0.346
TOTALS -->	0.392	1.141	0.529	0.000	0.000	2.062	0.059	1.141	0.424	0.000	0.000	1.785	1.000

Oxenberg Well C
(Individual Glover)
Area A-3
Roaring Fork River

(1)	Assumptions			
	(5) # of Livestock @ 11 gals/day	(7) % CU for Domestic	(8) % CU for Evaporation / Pond	(9) % Lawn Irrig. Efficiency Consumption of Irrig. (af/ac)
(1)	NUMBER OF RESIDENCES	1	EOR	0
	# persons/residence	3.5		15
	# gallons/person/day	100		100
(2)	Oxenberg Pond + May Fill Surface Acres	1.141	AF	80
	Pond Volume (66,000 gallons) =	0.250	Acres	1.851
(3)	Sq. Ft. of Lawn Irrigated	10,000		80
	Lawn Application Rate (af/ac)	2.314		0.000
(4)	Acres of Crop Irrigated	0.00		7050
	Crop Application Rate (af/ac)	0.000		

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

**TABLE 1
EVAPORATION CALCULATION - >6,500 FEET OXENBERG POND**

Month	SEO Monthly Distribution	(1) Gross Lake Evaporation		(2) Average Precipitation		(3) Effective Precipitation		(4) Net Evaporation		(5) Total Evaporation (acre-feet)
		(feet)	(inches)	(feet)	(inches)	(feet)	(inches)	(feet)	(inches)	
January	1.0%	0.04	0.45	0.07	0.84	0.00	0.00	0.04	0.45	0.009
February	3.0%	0.11	1.35	0.07	0.79	0.00	0.00	0.11	1.35	0.028
March	6.0%	0.23	2.70	0.05	0.58	0.00	0.00	0.23	2.70	0.056
April	9.0%	0.34	4.05	0.11	1.35	0.00	0.00	0.34	4.05	0.084
May	12.5%	0.47	5.63	0.09	1.02	0.00	0.00	0.47	5.63	0.117
June	15.5%	0.58	6.98	0.14	1.73	0.00	0.00	0.58	6.98	0.145
July	16.0%	0.60	7.20	0.10	1.14	0.00	0.00	0.60	7.20	0.150
August	13.0%	0.49	5.85	0.17	1.99	0.00	0.00	0.49	5.85	0.122
September	11.0%	0.41	4.95	0.16	1.96	0.00	0.00	0.41	4.95	0.103
October	7.5%	0.28	3.38	0.13	1.57	0.00	0.00	0.28	3.38	0.070
November	4.0%	0.15	1.80	0.07	0.80	0.00	0.00	0.15	1.80	0.038
December	1.5%	0.06	0.68	0.11	1.32	0.00	0.00	0.06	0.68	0.014
	100.0%	3.75	45.00	1.26	15.09	0.00	0.00	3.75	45.00	0.938

(1) = Monthly distribution of gross annual evaporation rate in accordance with SEO General Criteria.

(2) = Monthly precipitation from local weather station.

(3) = Equal to 0 per State Policy No. 2004-3.

(4) = Net Evaporation = Column (1) - Column (3)

(5) = Column (4) x Open Water Surface Area (0.25 acres) x Column (4) in feet.

Surface Area = 10,890 square feet
0.250 acres

Volume = 66,000 gallons
0.203 AF

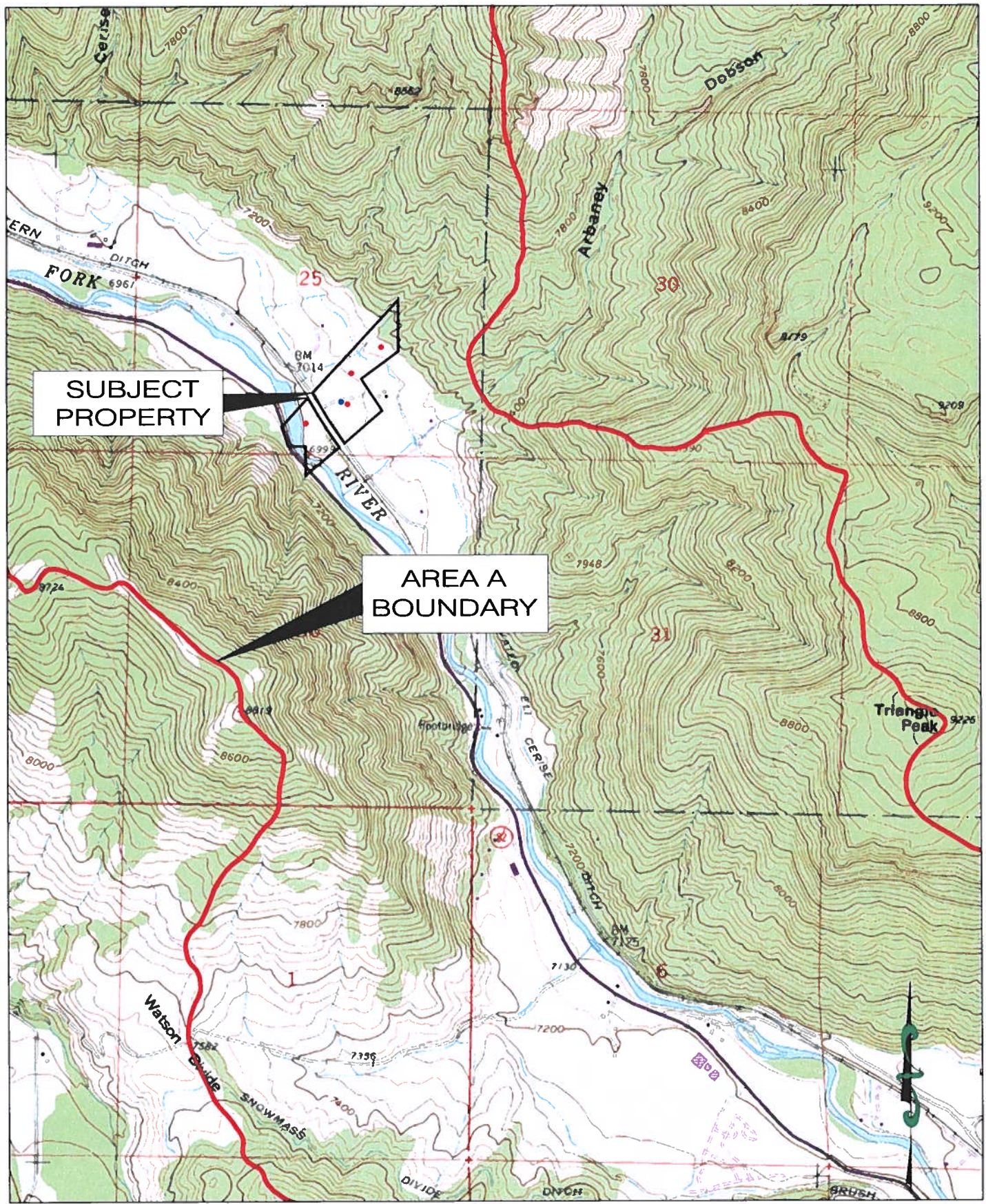
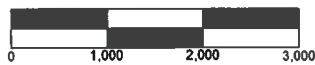


Figure 1: Robert and Maureen Oxenberg

Basalt Water Conservancy District

File: 033-7.2
Date: 07/30/2018



Scale: 1"=2,000'

RESOURCE
ENGINEERING, INC.

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

Well Pumping Depletion Model (WPDM)

1. Enter Project Description:

Robert and Maureen Oxenberg
Oxenberg Well C Individual Glover

2. Select One of the Following Four Aquifer Options:

Option No. 1

Option No. 2

Option No. 3

Option No. 4

Boundary affects approximated by use of an effective stream depletion factor (sdf).

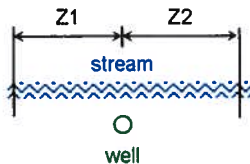
Option No. 2

3. Enter Physical Characteristics:

Clear Data:

Aquifer Transmissivity (gpd/ft):	100,000	(Required for Option Nos. 1, 2, or 3 only)
Aquifer Specific Yield:	0.20000	(Required for Option Nos. 1, 2, or 3 only)
Distance X (feet):	742	(Required for Option Nos. 1, 2, or 3 only)
Distance W (feet):	1,560	(Option No. 2 only)
Distance B (feet):		(Option No. 3 only)
sdf:		(Option No. 4 only)

For Option Nos. 1, 2, or 3, do you want to compute depletion for a segment of the stream?



*Distance Z1 (feet): (enter -99999 for negative infinity)
 *Distance Z2 (feet): (enter 99999 for infinity)

* Z1 can not exceed Z2, and Z2 can not exceed B.

Project Data Summary	
Aquifer Option:	Option No. 2
Transmissivity (gpd/ft):	100,000
Specific Yield:	0.20
Distance X (ft):	742
Distance W (ft):	1,560
Distance B (ft):	0
sdf:	0
Compute Depletion for Stream Segment?:	No
Distance Z1 (ft):	0
Distance Z2 (ft):	0

1. Clear All Previous Pumping Data and Depletion Results (including Item Nos. 3 and 4):

Click to Clear Previous Data & Results

2. Select Time Units:

3) Months

3. Enter Number of Pumping Periods:

360

Notes: a) Can not be greater than 3,600 periods.
b) execution time is faster if fewer pumping periods used.

4. Enter Starting Date:

1/1/2018

(e.g., enter 12/01/1950 for December 1, 1950)

5. Pumping Schedule and Depletion Results:

a) Below, enter the Pumping Rate (Col C, yellow cells) corresponding with the associated Pumping Period.

b) Cyclical Data Entry Option (not required):

Enter the number of pumping periods to cycle: 12
Enter the number of cycles: 10

Enter the pumping rates to cycle (Col C, yellow cells).

Click button to cycle data:

Cycle Data

c) After the data have been entered, click on the button below to calculate the resulting stream depletion.

Calculate Stream Depletion

6. Graph:

Select Data to Graph -

4) Depletion Rate

Click Button to Create Graph -

Create Graph

Pumping Schedule			Pumping Summary		Depletion Summary		
Date	Pumping Period (months)	Pumping Rate (gpm)	Volume Pumped This Period (acre-feet)	Cumul. Volume Pumped (acre-feet)	Depletion Rate (gpm)	Volume of Depletion (acre-feet)	Volume of Depletion This Period (acre-feet)
1/1/2018	1	0.31	0.04	0.04	0.28	0.03	0.03
2/1/2018	2	0.47	0.06	0.11	0.45	0.08	0.05
3/1/2018	3	0.65	0.09	0.19	0.63	0.16	0.08
4/1/2018	4	0.95	0.13	0.32	0.91	0.27	0.11
5/1/2018	5	3.33	0.45	0.77	3.06	0.59	0.32
6/1/2018	6	2.35	0.32	1.08	2.42	0.94	0.35
7/1/2018	7	2.25	0.30	1.39	2.27	1.25	0.31
8/1/2018	8	1.67	0.22	1.61	1.74	1.51	0.26
9/1/2018	9	1.53	0.21	1.82	1.56	1.73	0.22

Pumping Schedule			Pumping Summary		Depletion Summary		
Date	Pumping Period (months)	Pumping Rate (gpm)	Volume Pumped This Period (acre-feet)	Cumul. Volume Pumped (acre-feet)	Depletion Rate (gpm)	Volume of Depletion (acre-feet)	Volume of Depletion This Period (acre-feet)
10/1/2018	10	0.88	0.12	1.94	0.95	1.88	0.15
11/1/2018	11	0.53	0.07	2.01	0.57	1.97	0.09
12/1/2018	12	0.35	0.05	2.05	0.37	2.03	0.06
1/1/2019	13	0.31	0.04	2.09	0.32	2.08	0.05
2/1/2019	14	0.47	0.06	2.16	0.45	2.13	0.06
3/1/2019	15	0.65	0.09	2.25	0.63	2.21	0.08
4/1/2019	16	0.95	0.13	2.37	0.91	2.32	0.11
5/1/2019	17	3.33	0.45	2.82	3.06	2.64	0.32
6/1/2019	18	2.35	0.32	3.14	2.42	2.99	0.35
7/1/2019	19	2.25	0.30	3.44	2.27	3.31	0.31
8/1/2019	20	1.67	0.22	3.66	1.74	3.56	0.26
9/1/2019	21	1.53	0.21	3.87	1.56	3.78	0.22
10/1/2019	22	0.88	0.12	3.99	0.95	3.93	0.15
11/1/2019	23	0.53	0.07	4.06	0.57	4.02	0.09
12/1/2019	24	0.35	0.05	4.10	0.37	4.08	0.06
1/1/2020	25	0.31	0.04	4.15	0.32	4.13	0.05
2/1/2020	26	0.47	0.06	4.21	0.45	4.18	0.06
3/1/2020	27	0.65	0.09	4.30	0.63	4.26	0.08
4/1/2020	28	0.95	0.13	4.42	0.91	4.37	0.11
5/1/2020	29	3.33	0.45	4.87	3.06	4.69	0.32
6/1/2020	30	2.35	0.32	5.19	2.42	5.05	0.35
7/1/2020	31	2.25	0.30	5.49	2.27	5.36	0.31
8/1/2020	32	1.67	0.22	5.72	1.74	5.61	0.26
9/1/2020	33	1.53	0.21	5.92	1.56	5.83	0.22
10/1/2020	34	0.88	0.12	6.04	0.95	5.98	0.15
11/1/2020	35	0.53	0.07	6.11	0.57	6.08	0.09
12/1/2020	36	0.35	0.05	6.16	0.37	6.13	0.06

**APPLICATION FOR WATER ALLOTMENT CONTRACT
BASALT WATER CONSERVANCY DISTRICT**

1. Applicant(s) Contact Information

- a. Name: **Robert and Maureen Oxenberg**
- b. Mailing Address: **P.O. Box 12381
Aspen, CO 81612**
- c. Street Address: **2520 Lower River Rd.
Snowmass, CO 81654
(Aspen River Valley Ranch Lot 6)**
- d. Telephone Number: **(970) 925-1826**
- e. Email Addresses: **robertoxenberg@gmail.com**
- f. If Applicant is represented by an Attorney, please provide the Attorney's contact information, including name, address, telephone, and email:

**Paul L. Noto, Esq.
Danielle L. Van Arsdale, Esq.
Patrick, Miller & Noto, P.C.
197 Prospector Road, Ste. 2104A
Aspen, CO 81611
(970) 920-1030
noto@waterlaw.com
vanarsdale@waterlaw.com**

- g. Emergency Local Contact Information, including name, address, telephone, and email: **Robert Oxenberg.**
 - 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): **The address is provided above and a parcel map and warranty deed with the legal description are enclosed.**

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

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

a. Name of Diversion: Oxenberg Well A.

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

UTM Coordinates (NAD 83):

Northing: 332656.

Easting: 4354707.

_____ Zone 12 / Zone 13.

If diversion point is a well, please provide the Well Permit No.: **Pending.**

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.

b. Name of Diversion: Oxenberg Well B.

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

UTM Coordinates (NAD 83):

Northing: 332519.

Easting: 4354587.

_____ Zone 12 / Zone 13.

If diversion point is a well, please provide the Well Permit No.: **Pending.**

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.

c. Name of Diversion: Oxenberg Well C.

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

UTM Coordinates (NAD 83):

Northing: 332501

Easting: 4354445

 Zone 12 / X Zone 13.

If diversion point is a well, please provide the Well Permit No.: **Pending.**

Is the well operational/active? Yes, X No

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

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

d. Name of Diversion: Oxenberg Lot 6 Well

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

Legal Description: SE Quarter, SW Quarter, Section 25, Township 8 S., Range 85 W., of the 6th Principal Meridian, at a location 450 feet from the S. Section line and 2600 feet from the W. Section line.

UTM Coordinates (NAD 83):

Northing: 342023 332323 EG

Easting: 4354115 4354342

 Zone 12 / X Zone 13.

If diversion point is a well, please provide the Well Permit No.: **95794. An application for a new permit for this well is pending.**

Is the well operational/active? X Yes, No

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

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

6. Legal Water Supply: (please check one)

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 are contingent upon location and intensity of the uses, and range from \$1,200 for contractees with less than 2 units (EQRs) in certain areas, to \$5,000 for more than 8 EQRs in Area A-3 (generally the Roaring Fork drainage above its confluence with the Fryingpan Rivers).

_____ 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)

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

8. Proposed use of water (please check)

- 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.

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

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

Last Chance Ditch First Enlargement, Priority 371
Eli Cerise Ditch First Enlargement, Priority 372

11. What other uses of water occur on the property? N/A.

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

DOMESTIC/MUNICIPAL WATER USES

In-House: Well A and Well B will each serve one (1) single-family home (18,250 total square feet for both combined); Well C will serve one (1) barn and one (1) ADU (1,000 square feet); the Lot 6 Well serves one (1) single-family home and one (1) ADU (4,000 total square feet).

Single family residential home(s) Number of Units: 6

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): Well A, Well B, and Well C will each irrigate 10,000 square feet; the Lot 6 Well irrigates 22,000 square feet.

Total area to be irrigated 52,000 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: Well C will fill the Oxenberg Pond located at UTM Coordinates (NAD 83): Northing 332472; Easting 4354456 (Zone 13). The Pond will have a volume of 60,000 gallons and a surface area of 0.25 acre. Evaporation depletions from the pond will be augmented under this contract. All four wells will be used for fire protection purposes. Each well will have a pump rate of 15.0 g.p.m.

