

**Report of the Colorado State Engineer**

**Concerning Accounting of the Operations**

**of an Offset Account in John Martin Reservoir**

**for Colorado Pumping**

**2005**

Submitted to the

Operations Committee

Arkansas River Compact Administration

December 1, 2005

## Report of the Colorado State Engineer

### Offset Account Operations

November 1, 2004 to October 31, 2005

An Offset Account in John Martin Reservoir was authorized by the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping** dated March 17, 1997 ("Resolution") and by the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Amended Resolution").

This report summarizes the operations conducted using the Offset Account for the period November 1, 2004 through October 31, 2005 and has been prepared pursuant to paragraph 11 of the Amended Resolution.

At 0000 hours, November 1, 2004 the Offset Account contained 6488.88 acre-feet. From November 1, 2004 through October 31, 2005 there were deliveries to and releases from the Offset Account as summarized below. On March 31, 2005, the Lower Arkansas Water Management Association transferred the remainder of the 500 acre-feet of fully consumable water to the Offset Account to satisfy the Storage Charge prerequisite for using the account for another year. Copies of the correspondence describing this delivery are included in Section 3.

In Section 1, a monthly summary of the contents of the Offset Account is provided in Table 1. A summary of the subaccounts of the Offset Account is provided in Tables A through B.3. The outline preceding the tables in Section 1 provides an explanation of the purpose of each subaccount.

Section 2 of this report contains the daily accounting records, by month, for all subaccounts in the Offset Account.

Section 3 of this report provides copies of the letters reporting each delivery of water to the Offset Account as required by paragraph 3 of the Amended Resolution and copies of the letters reporting each release of water from the Offset Account. From November 1, 2004 through October 31, 2005, there were twelve deliveries of water to the Offset Account, including the delivery of the balance of the 500 acre-feet of fully consumable water to satisfy the Storage Charge. The deliveries of Pueblo Board of Water Works water were made on behalf of a number of the well associations to partially offset H-I Model computed depletions to usable stateline flow determined from the initial model run for 1997 through 2004. All twelve deliveries are summarized in the following table.

Source	Delivery End Date	Amount to Offset Account (ac-ft)	Net Consumable Water (ac-ft)	Net Return Flow Water (ac-ft)
LAWMA (Highland Canal Shares delayed arrival for 2004)	November 1, 2004	55.89	55.89	0.00
Pueblo Board of Water Works (Multiple Associations)	March 22, 2005	2000.00	2000.00	0.00
LAWMA (Article II)	March 31, 2005	145.78	86.20	59.58
LAWMA (Article II)	May 1, 2005	679.71	432.31	247.40
LAWMA (Article II)	May 13, 2005	1535.40	900.58	634.82
LAWMA (Article II)	May 26, 2005	418.72	266.32	152.40
AGUA (Excelsior)	June 10, 200	272.80	272.80	0.00
Pueblo Board of Water Works (Multiple Associations)	June 15, 2005	1004.00	1004.00	0.00
LAWMA (Article II)	June 15, 2005	226.86	136.78	90.08
Pueblo Board of Water Works (Multiple Associations)	August 15, 2005	212.18	212.18	0.00
Pueblo Board of Water Works (Multiple Associations)	August 25, 2005	1574.36	1574.36	0.00
LAWMA (Highland Canal Shares)	October 31, 2005	6097.60	6097.60	0.00
LAWMA (Keesee Ditch Shares)	September 30, 2005	3337.00	3212.00	125.00
<b>TOTALS</b>		17560.30	16251.02	1309.28

During the period referred to above, there were two releases of water from the Offset Account requested by the Kansas Chief Engineer. The first release is summarized as follows:

Summary of Release (April 27, 2005 – May 25, 2005)  
(From Calculations Per Offset Agreement)

Release from Kansas Storage Charge subaccount = 0.0 acre-feet

Release from Kansas Consumable Water subaccount = 647.45 acre-feet

Release from Colorado Upstream/Downstream Consumable Water subaccounts = 10,924.05 acre-feet

Release from Return Flow/Return Flow Transit Loss subaccounts = 0.00 acre-feet

Total quantity released = 11,571.50 acre-feet

Credit for Colorado Consumptive Use Water

$0.852 \times 11,571.5$  (Consumptive Use Water) = 9,859 acre-feet credit

The second release is summarized as follows:

Summary of Release (June 11, 2005 – June 21, 2005)  
(From Calculations Per Offset Agreement)

Release from Kansas Storage Charge subaccount = 498.23 acre-feet

Release from Kansas Consumable Water subaccount = 282.38 acre-feet

Release from Colorado Upstream/Downstream Consumable Water subaccount = 3,220.15 acre-feet

Release from Return Flow/Return Flow Transit Loss subaccounts = 1,247.30 acre-feet

Total quantity released = 5,248.06 acre-feet

Credit for Consumptive Use Water

$$0.63 \times 3,502.53 \text{ (Consumptive Use Water)} = 2,206.6 \text{ acre-feet credit}$$

Section 4 of this report provides copies of the monthly letters reporting Colorado pumping and Offset Account operations that were prepared and submitted in accordance with paragraph 12 of the Amended Resolution.

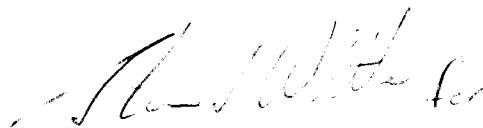
At 2400 hours, October 31, 2005 the Offset Account contained 4,857.43 acre-feet.

The Colorado State Engineer and the Kansas Chief Engineer reached agreement on issues related to the Offset Account and signed the "**Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping, Determination of Credits for Delivery of Water Released for Colorado Pumping, and Related Matters**" ("Agreement") dated September 29, 2005. This agreement is contained within the Operations Secretary's Report for Compact Year 2005.

During the upcoming months my staff will work with the Kansas Division of Water Resources staff to calculate changes for the 1997 through 2005 period resulting from the Agreement in order to facilitate determination of final credits associated with use of the Offset Account during this period.

Colorado remains interested in further investigation of transit losses below John Martin Reservoir as proposed by Russ Livingston at the last meeting of the Arkansas River Compact Administration in December 2004. This investigation can be used consistently with the Agreement to improve operations related to deliveries of water from John Martin Reservoir.

The Colorado State Engineer and the Kansas Chief Engineer have coordinated Offset Account operations successfully through their respective delegates throughout the year. Colorado continues to solicit suggestions and desires to fully discuss any measures that might have the effect of minimizing Kansas' cost of monitoring use of the Offset Account to facilitate Compact compliance.



Hal D. Simpson  
Colorado State Engineer

11/28/05  
Date

# INDEX

## Report of the Colorado State Engineer – Offset Account Operations

### **Section 1**

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Offset Account Monthly Summary Tables

### **Section 2**

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Daily Accounting Records by Month for Offset Account and Subaccounts

### **Section 3**

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Correspondence on Deliveries to and Releases from the Offset Account

- March 21, 2005 Letter to Mike Meyer regarding Initial Notice of Offset Account Transfer for multiple well associations for deficits shown by preliminary H-I Model runs.
- March 31, 2005 Letter to Mike Meyer regarding Initial Notice of Offset Account Transfer for the Lower Arkansas Water Management Association (LAWMA) for the balance of the 2005 storage charge.
- April 27, 2005 Letter to David Pope regarding Notice of Transfer of X-Y Article II water to the Offset Account on March 31, 2005.
- May 3, 2005 Letter to David Pope regarding Notice of Transfer of Pueblo Board of Water Works water to the Offset Account on March 21, 2005.
- May 6, 2005 Letter to Mike Meyer regarding Initial Notice of Transfer of Keesee Article II water to the Offset Account on May 1, 2005.
- May 7, 2005 Letter to Mike Meyer regarding Initial Notice of Delivery to the Offset Account by LAWMA for consumptive use and winter return flow water associated with the Keesee water right.
- May 7, 2005 Letter to Mike Meyer regarding Initial Notice of Delivery to the Offset Account by LAWMA for consumptive use associated with the Highland water right.
- May 13, 2005 Letter to Mike Meyer regarding Initial Notice of Transfer to the Offset Account of X-Y and Stubbs Article II water for LAWMA.
- May 26, 2005 Letter to Mike Meyer regarding Initial Notice of Delivery to the Offset Account of Excelsior water for the Arkansas Groundwater Users Association (AGUA).
- May 26, 2005 Letter to Mike Meyer regarding Initial Notice of Transfer to the Offset Account of Keesee Article II water for LAWMA.
- June 15, 2005 Letter to Mike Meyer regarding Initial Notice of Offset Account Transfer for multiple well associations for deficits shown by preliminary H-I Model runs.
- June 15, 2005 Letter to Mike Meyer regarding Initial Notice of Transfer to the Offset Account of X-Y, Keesee and Stubbs Article II water for LAWMA.
- July 1, 2005 letter to David Pope regarding Notice of Transfer of Keesee Article II water to the Offset Account on May 1, 2005.
- July 1, 2005 letter to David Pope regarding Notice of Transfer of X-Y and Stubbs Article II water to the Offset Account on May 13, 2005.
- July 1, 2005 letter to David Pope regarding Notice of Transfer of Keesee Article II water to the Offset Account on May 26, 2005.
- July 1, 2005 letter to David Pope regarding Notice of Release from the Offset Account for April 27<sup>th</sup> through May 25<sup>th</sup> delivery.
- July 19, 2005 letter to David Pope regarding Notice of Delivery of Excelsior Ditch water to the Offset Account from May 26<sup>th</sup> through June 7<sup>th</sup> for AGUA.
- July 20, 2005 Letter to David Pope regarding Notice of Transfer of Pueblo Board of Water Works water to the Offset Account on June 15, 2005.

- July 21, 2005 letter to David Pope regarding Notice of Transfer of X-Y, Keesee and Stubbs Article II water to the Offset Account on June 15, 2005.
- August 18, 2005 Letter to Mike Meyer regarding Initial Notice of Offset Account Transfer on August 15<sup>th</sup> for multiple well associations for deficits shown by preliminary H-I Model runs.
- August 18, 2005 Letter to Mike Meyer regarding Initial Notice of Offset Account Delivery for multiple well associations for deficits shown by preliminary H-I Model runs.
- October 3, 2005 Letter to David Pope regarding Notice of Transfer of Pueblo Board of Water Works water to the Offset Account on August 15, 2005.
- October 3, 2005 Letter to David Pope regarding Notice of Delivery of Pueblo Board of Water Works water to the Offset Account on August 18<sup>th</sup> through 25<sup>th</sup>.
- November 22, 2005 letter to David Pope regarding accounting summary for delivery of LAWMA's Keesee Ditch consumptive use water to the Offset Account for May – October 2005.
- November 28, 2005 to David Pope regarding Notice of Release from the Offset Account for June 11<sup>th</sup> through June 21<sup>st</sup> delivery.
- November 29, 2005 letter to David Pope regarding accounting summary for delivery of LAWMA's Highland Canal consumptive use water to the Offset Account for April – October 2005.

#### **Section 4**

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##### Monthly Reports of Colorado Pumping and Offset Account Operations

- February 3, 2005 letter to David Pope and Stephanie Gonzales - November 2004 Report
- February 10, 2005 letter to David Pope and Stephanie Gonzales - December 2004 Report
- March 11, 2005 letter to David Pope and Stephanie Gonzales - January 2005 Report
- April 26, 2005 letter to David Pope and Stephanie Gonzales - February 2005 Report
- May 16, 2005 letter to David Pope and Stephanie Gonzales for – March 2005 Report
- July 1, 2005 letter to David Pope and Stephanie Gonzales for – April 2005 Report
- July 19, 2005 letter to David Pope and Stephanie Gonzales for – May 2005 Report
- September 19, 2005 letter to David Pope and Stephanie Gonzales for – June 2005 Report
- September 30, 2005 letter to David Pope and Stephanie Gonzales for – July 2005 Report
- November 8, 2005 letter to Kevin Salter regarding July 2005 Report
- November 22, 2005 letter to David Pope and Stephanie Gonzales for – August 2005 Report
- November 22, 2005 letter to David Pope and Stephanie Gonzales for – September 2005 Report
- November 29, 2005 letter to David Pope and Stephanie Gonzales for – October 2005 Report

## **SECTION 1**

## Outline of Tables

### Offset Account (Table 1)

Contains a monthly summary of the total contents of the Offset Account.

### A. Consumable Water (Table A)

#### 1. Colorado Upstream Consumable Water (Table A.1.)

Contains a monthly summary of the water stored under the provisions of paragraph 6 of the Amended Resolution.

#### 2. Colorado Downstream Consumable Water (Table A.2.)

Contains a monthly summary of the consumptive use water stored by Colorado users which has not yet been made available to replace depletions to usable stateline flow and therefore has not been transferred to Kansas as provided for in paragraph 5.B. of the Amended Resolution.

#### 3. Kansas Consumable Water (Table A.3.)

Contains a monthly summary of the consumptive use water that has been made available to replace depletions to usable stateline flow and has therefore been transferred as provided for in paragraph 5.B. of the Amended Resolution.

#### 4. Kansas Storage Charge (Table A.4.)

Contains a monthly summary of the consumptive use water delivered to the Offset Account under the provisions of paragraph 9 of the Amended Resolution.

### B. Return Flow Water (Table B)

#### 1. Return Flow Water (Table B.1.)

Contains a monthly summary of the return flow water which must be either released to the river or transferred to the Kansas Consumable Water account to maintain the return flows to Colorado water users and stateline flows because of deliveries of water historically used for irrigation to the offset account.

#### 2. Return Flow Transit Loss Water (Table B.2)

Contains a monthly summary of transit loss water necessary to deliver return flow water to Colorado water users or the stateline which must either be released with return flows or transferred to the Kansas Consumable Water account to maintain historic return flows.

#### 3. Keesee Winter Return Flow Water (Table B.3)

Contains a monthly summary of return flow water associated with LAWMA's Keesee Ditch water rights, which must be released during the winter period to maintain historic return flows.



JOHN MARTIN RESERVOIR

TABLE 1  
OFFSET ACCOUNT

WATER YEAR	CONTENTS	PHYSICAL	ACCOUNT	ACCOUNT	ACCOUNT	EVAPORATION	ACCOUNT	PHYSICAL	CONTENTS
2005	BEGINNING OF	INFLOW	TRANSFER-IN (Non-Offset)	TRANSFER-IN (Internal-Offset)	TRANSFER-OUT		TRANSFER-OUT	RELEASE	END OF
MONTH	MONTH A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
NOVEMBER	6488.88	8.37	47.52	10.86	118.91	10.86	0.00	0.00	6425.86
DECEMBER	6425.86	0.00	0.00	7.88	60.06	7.88	0.00	0.00	6365.80
JANUARY	6365.80	0.00	0.00	6.10	33.37	6.10	88.00	88.00	6244.43
FEBRUARY	6244.43	0.00	0.00	5.20	89.97	5.20	0.00	0.00	6154.46
MARCH	6154.46	0.00	2145.78	5.73	156.84	5.73	15.00	15.00	8128.40
APRIL	8128.40	2112.73	0.00	362.49	218.65	362.49	1683.29	1683.29	8339.19
MAY	8339.19	1602.18	2633.83	185.58	161.47	185.58	9906.76	9906.76	2506.97
JUNE	2506.97	2068.08	1230.86	155.86	81.77	155.86	5248.06	5248.06	476.08
JULY	476.08	1296.40	0.00	32.54	161.61	32.54	0.00	0.00	1610.88
AUGUST	1610.88	2845.72	212.18	22.01	340.22	22.01	0.00	0.00	4328.55
SEPTEMBER	4328.55	584.65	0.00	18.90	520.62	18.90	0.00	0.00	4392.58
OCTOBER	4392.58	771.84	0.00	17.05	306.99	17.05	0.00	0.00	4857.43
TOTALS		11289.97	6270.17	830.20	2250.48	830.20	16941.11	16941.11	

**OFFSET ACCOUNT**

**TABLE A  
CONSUMABLE WATER**

WATER YEAR 2005	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	6146.59	8.37	56.15	112.65	2.23	0.00	6096.23
DECEMBER	6096.23	0.00	6.77	57.04	1.11	0.00	6044.85
JANUARY	6044.85	0.00	5.53	31.75	0.57	0.00	6018.06
FEBRUARY	6018.06	0.00	4.64	86.72	0.56	0.00	5935.42
MARCH	5935.42	0.00	2091.12	151.80	0.81	0.00	7873.93
APRIL	7873.93	2112.73	362.48	212.96	338.66	1664.74	8132.78
MAY	8132.78	1602.18	1761.78	129.30	155.44	9906.76	1305.24
JUNE	1305.24	2068.08	1276.54	58.26	155.86	4000.76	434.99
JULY	434.99	1296.40	-0.77	154.53	33.31	0.00	1542.78
AUGUST	1542.78	2845.72	212.18	330.73	22.01	0.00	4247.93
SEPTEMBER	4247.93	584.64	0.00	510.48	18.90	0.00	4303.20
OCTOBER	4303.20	771.84	0.00	300.63	17.05	0.00	4757.36
TOTALS		11289.96	5776.42	2136.85	746.51	15572.26	

**TABLE B  
RETURN FLOW WATER**

WATER YEAR 2005	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	342.29	0.00	2.23	6.26	8.63	0.00	329.63
DECEMBER	329.63	0.00	1.11	3.02	6.77	0.00	320.95
JANUARY	320.95	0.00	0.57	1.62	5.53	88.00	226.37
FEBRUARY	226.37	0.00	0.56	3.25	4.64	0.00	219.04
MARCH	219.04	0.00	60.39	5.04	4.92	15.00	254.47
APRIL	254.47	0.00	0.01	5.69	23.83	18.55	206.41
MAY	206.41	0.00	1057.63	32.17	30.14	0.00	1201.73
JUNE	1201.73	0.00	110.18	23.51	0.00	1247.30	41.10
JULY	41.10	0.00	33.31	7.08	-0.77	0.00	68.10
AUGUST	68.10	0.00	22.01	9.49	0.00	0.00	80.62
SEPTEMBER	80.62	0.00	18.90	10.14	0.00	0.00	89.38
OCTOBER	89.38	0.00	17.05	6.36	0.00	0.00	100.07
TOTALS		0.00	1323.95	113.63	83.69	1368.85	

**OFFSET ACCOUNT**

**TABLE A.1.  
CONSUMABLE WATER  
COLORADO UPSTREAM**

WATER YEAR 2005	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DECEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JANUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FEBRUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARCH	0.00	0.00	632.32	4.25	0.00	0.00	628.07
APRIL	628.07	0.00	0.00	14.75	613.32	0.00	0.00
MAY	0.00	61.60	0.00	0.06	3.09	0.00	58.45
JUNE	58.45	211.20	317.42	8.83	9.54	568.70	0.00
JULY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AUGUST	0.00	497.71	67.08	21.94	0.00	0.00	542.85
SEPTEMBER	542.85	0.00	0.00	61.63	0.00	0.00	481.22
OCTOBER	481.22	0.00	0.00	31.64	0.00	0.00	449.58
TOTALS		770.51	1016.82	143.10	625.95	568.70	

**TABLE A.2.  
CONSUMABLE WATER  
COLORADO DOWNSTREAM**

WATER YEAR 2005	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	5377.57	0.00	47.52	98.47	2.23	0.00	5324.39
DECEMBER	5324.39	0.00	0.00	49.81	1.11	0.00	5273.47
JANUARY	5273.47	0.00	0.00	27.67	0.57	0.00	5245.23
FEBRUARY	5245.23	0.00	0.00	75.57	0.56	0.00	5169.10
MARCH	5169.10	0.00	1367.68	129.66	0.81	0.00	6406.31
APRIL	6406.31	2112.73	0.00	172.48	338.66	1051.42	6956.48
MAY	6956.48	1540.58	1602.30	106.25	152.35	9259.31	581.45
JUNE	581.45	1856.88	832.90	38.48	146.32	2651.45	434.99
JULY	434.99	1296.40	-0.77	154.53	33.31	0.00	1542.78
AUGUST	1542.78	1669.04	134.49	264.96	22.01	0.00	3059.33
SEPTEMBER	3059.33	555.43	0.00	374.08	18.90	0.00	3221.78
OCTOBER	3221.78	733.25	0.00	228.62	17.05	0.00	3709.36
TOTALS		9764.31	3984.12	1720.58	733.88	12962.18	

**OFFSET ACCOUNT**

**TABLE A.3.  
CONSUMABLE WATER  
KANSAS**

WATER YEAR 2005	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW	ACCOUNT TRANSFER-IN Consumptive	ACCOUNT TRANSFER-IN Return Flow	EVAPORATION	ACCOUNT TRANSFER-OUT Return Flow	ACCOUNT TRANSFER-OUT Consumptive	PHYSICAL RELEASE	CONTENTS END OF MONTH
MONTH	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
NOVEMBER	333.07	0.00	0.00	8.63	6.08	0.00	0.00	0.00	335.62
DECEMBER	335.62	0.00	0.00	6.77	3.16	0.00	0.00	0.00	339.23
JANUARY	339.23	0.00	0.00	5.53	1.81	0.00	0.00	0.00	342.95
FEBRUARY	342.95	0.00	0.00	4.64	4.96	0.00	0.00	0.00	342.63
MARCH	342.63	0.00	0.00	4.92	8.00	0.00	0.00	0.00	339.55
APRIL	339.55	0.00	324.69	0.00	13.57	0.00	0.00	0.00	650.67
MAY	650.67	0.00	129.34	30.14	3.99	0.00	0.00	647.45	158.71
JUNE	158.71	0.00	126.22	0.00	2.55	0.00	0.00	282.38	0.00
JULY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AUGUST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEPTEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OCTOBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS		0.00	580.25	60.63	44.12	0.00	0.00	929.83	

**TABLE A.4.  
CONSUMABLE WATER  
KANSAS STORAGE CHARGE**

WATER YEAR 2005	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW	ACCOUNT TRANSFER-IN Consumptive	ACCOUNT TRANSFER-IN Return Flow	EVAPORATION	ACCOUNT TRANSFER-OUT Return Flow	ACCOUNT TRANSFER-OUT Consumptive	PHYSICAL RELEASE	CONTENTS END OF MONTH
MONTH	MONTH A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
NOVEMBER	435.95	8.37	0.00	0.00	8.10	0.00	0.00	0.00	436.22
DECEMBER	436.22	0.00	0.00	0.00	4.07	0.00	0.00	0.00	432.15
JANUARY	432.15	0.00	0.00	0.00	2.27	0.00	0.00	0.00	429.88
FEBRUARY	429.88	0.00	0.00	0.00	6.19	0.00	0.00	0.00	423.69
MARCH	423.69	0.00	86.20	0.00	9.89	0.00	0.00	0.00	500.00
APRIL	500.00	0.00	37.79	0.00	12.16	0.00	0.00	0.00	525.63
MAY	525.63	0.00	0.00	0.00	19.00	0.00	0.00	0.00	506.63
JUNE	506.63	0.00	0.00	0.00	8.40	0.00	0.00	498.23	0.00
JULY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AUGUST	0.00	678.97	10.61	0.00	43.83	0.00	0.00	0.00	645.75
SEPTEMBER*	645.75	29.22	0.00	0.00	74.77	0.00	0.00	0.00	600.20
OCTOBER**	600.20	38.59	0.00	0.00	40.37	0.00	0.00	0.00	598.42
TOTALS		755.15	134.60	0.00	229.05	0.00	0.00	498.23	

\* Note: Inflow from LAWMA's Highland water right to prepay the 2006-07 storage charge

**OFFSET ACCOUNT**

**TABLE B.1  
RETURN FLOW**

WATER YEAR 2005	CONTENTS BEGINNING OF MONTH A.F.	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	170.45	0.00	0.00	3.11	7.49	0.00	159.85
DECEMBER	159.85	0.00	0.00	1.47	5.85	0.00	152.53
JANUARY	152.53	0.00	0.00	0.80	4.75	0.00	146.98
FEBRUARY	146.98	0.00	0.00	2.10	3.97	0.00	140.91
MARCH	140.91	0.00	45.00	3.30	4.29	0.00	178.32
APRIL	178.32	0.00	0.00	4.31	20.94	0.00	153.07
MAY	153.07	0.00	844.07	25.41	26.36	0.00	945.37
JUNE	945.37	0.00	72.00	17.28	0.00	1000.09	0.00
JULY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AUGUST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEPTEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OCTOBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS		0.00	961.07	57.78	73.65	1000.09	

**TABLE B.2  
RETURN FLOW  
TRANSIT LOSS**

WATER YEAR 2005	CONTENTS BEGINNING OF MONTH A.F.	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	50.29	0.00	0.00	0.92	1.14	0.00	48.23
DECEMBER	48.23	0.00	0.00	0.44	0.92	0.00	46.87
JANUARY	46.87	0.00	0.00	0.25	0.78	0.00	45.84
FEBRUARY	45.84	0.00	0.00	0.59	0.67	0.00	44.58
MARCH	44.58	0.00	14.58	0.93	0.63	0.00	57.60
APRIL	57.60	0.00	0.00	1.37	2.89	0.00	53.34
MAY	53.34	0.00	190.55	6.34	3.78	0.00	233.77
JUNE	233.77	0.00	18.08	4.64	0.00	247.22	0.00
JULY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AUGUST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEPTEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OCTOBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS		0.00	223.21	15.48	10.81	247.22	

OFFSET ACCOUNT

TABLE B.3  
KEESEE WINTER RETURN FLOW

WATER YEAR 2005	CONTENTS BEGINNING OF MONTH A.F.	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	121.55	0.00	2.23	2.23	0.00	0.00	121.55
DECEMBER	121.55	0.00	1.11	1.11	0.00	0.00	121.55
JANUARY	121.55	0.00	0.57	0.57	0.00	88.00	33.55
FEBRUARY	33.55	0.00	0.56	0.56	0.00	0.00	33.55
MARCH	33.55	0.00	0.81	0.81	15.00	0.00	18.55
APRIL	18.55	0.00	0.01	0.01	0.00	18.55	0.00
MAY	0.00	0.00	23.01	0.42	0.00	0.00	22.59
JUNE	22.59	0.00	20.10	1.59	0.00	0.00	41.10
JULY	41.10	0.00	33.31	7.08	-0.77	0.00	68.10
AUGUST	68.10	0.00	22.01	9.49	0.00	0.00	80.62
SEPTEMBER	80.62	0.00	18.90	10.14	0.00	0.00	89.38
OCTOBER	89.38	0.00	17.05	6.36	0.00	0.00	100.07
TOTALS		0.00	139.67	40.37	14.23	106.55	

## **SECTION 2**





OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						342.29							50.29
1	0.00	0.00	0.00	0.00	0.31	341.98	1	0.00	0.00	0.00	0.00	0.05	50.24
2	0.00	0.00	0.00	0.00	0.22	341.76	2	0.00	0.00	0.00	0.00	0.03	50.21
3	0.00	0.00	0.00	0.00	0.22	341.54	3	0.00	0.00	0.00	0.00	0.03	50.18
4	0.00	0.00	0.00	0.00	0.22	341.32	4	0.00	0.00	0.00	0.00	0.03	50.15
5	0.00	0.00	0.00	0.00	0.22	341.10	5	0.00	0.00	0.00	0.00	0.03	50.12
6	0.00	0.00	0.00	0.00	0.22	340.88	6	0.00	0.00	0.00	0.00	0.03	50.09
7	0.00	0.00	0.00	0.00	0.22	340.66	7	0.00	0.00	0.00	0.00	0.03	50.06
8	0.00	0.00	0.00	0.00	0.22	340.44	8	0.00	0.00	0.00	0.00	0.03	50.03
9	0.00	0.00	0.00	0.00	0.20	340.24	9	0.00	0.00	0.00	0.00	0.03	50.00
10	0.00	0.00	0.00	0.00	0.20	340.04	10	0.00	0.00	0.00	0.00	0.03	49.97
11	0.00	0.00	0.00	0.00	0.20	339.84	11	0.00	0.00	0.00	0.00	0.03	49.94
12	0.00	0.00	0.00	0.00	0.20	339.64	12	0.00	0.00	0.00	0.00	0.03	49.91
13	0.00	0.00	0.00	0.00	0.20	339.44	13	0.00	0.00	0.00	0.00	0.03	49.88
14	0.00	0.00	0.00	0.00	0.22	339.22	14	0.00	0.00	0.00	0.00	0.03	49.85
15	0.00	0.00	0.00	0.00	0.22	339.00	15	0.00	0.00	0.00	0.00	0.03	49.82
16	0.00	0.00	0.00	0.00	0.22	338.78	16	0.00	0.00	0.00	0.00	0.03	49.79
17	0.00	0.00	0.00	0.00	0.20	338.58	17	0.00	0.00	0.00	0.00	0.03	49.76
18	0.00	0.00	0.00	0.00	0.22	338.36	18	0.00	0.00	0.00	0.00	0.03	49.73
19	0.00	0.00	0.00	0.00	0.20	338.16	19	0.00	0.00	0.00	0.00	0.03	49.70
20	0.00	0.00	0.00	0.00	0.20	337.96	20	0.00	0.00	0.00	0.00	0.03	49.67
21	0.00	0.00	0.00	0.00	0.20	337.76	21	0.00	0.00	0.00	0.00	0.03	49.64
22	0.00	0.00	0.00	0.00	0.20	337.56	22	0.00	0.00	0.00	0.00	0.03	49.61
23	0.00	0.00	0.00	0.00	0.20	337.36	23	0.00	0.00	0.00	0.00	0.03	49.58
24	0.00	0.00	0.00	0.00	0.20	337.16	24	0.00	0.00	0.00	0.00	0.03	49.55
25	0.00	0.00	0.00	0.00	0.20	336.96	25	0.00	0.00	0.00	0.00	0.03	49.52
26	0.00	0.00	0.00	0.00	0.19	336.77	26	0.00	0.00	0.00	0.00	0.03	49.49
27	0.00	0.00	0.00	0.00	0.19	336.58	27	0.00	0.00	0.00	0.00	0.03	49.46
28	0.00	0.00	0.00	0.00	0.19	336.39	28	0.00	0.00	0.00	0.00	0.03	49.43
29	0.00	0.00	0.00	0.00	0.18	336.21	29	0.00	0.00	0.00	0.00	0.03	49.40
30	0.00	2.23	8.63	0.00	0.18	329.63	30	0.00	0.00	1.14	0.00	0.03	48.23
	0.00	2.23	8.63	0.00	6.26			0.00	0.00	1.14	0.00	0.92	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						170.45							121.55
1	0.00	0.00	0.00	0.00	0.15	170.30	1	0.00	0.00	0.00	0.00	0.11	121.44
2	0.00	0.00	0.00	0.00	0.11	170.19	2	0.00	0.00	0.00	0.00	0.08	121.36
3	0.00	0.00	0.00	0.00	0.11	170.08	3	0.00	0.00	0.00	0.00	0.08	121.28
4	0.00	0.00	0.00	0.00	0.11	169.97	4	0.00	0.00	0.00	0.00	0.08	121.20
5	0.00	0.00	0.00	0.00	0.11	169.86	5	0.00	0.00	0.00	0.00	0.08	121.12
6	0.00	0.00	0.00	0.00	0.11	169.75	6	0.00	0.00	0.00	0.00	0.08	121.04
7	0.00	0.00	0.00	0.00	0.11	169.64	7	0.00	0.00	0.00	0.00	0.08	120.96
8	0.00	0.00	0.00	0.00	0.11	169.53	8	0.00	0.00	0.00	0.00	0.08	120.88
9	0.00	0.00	0.00	0.00	0.10	169.43	9	0.00	0.00	0.00	0.00	0.07	120.81
10	0.00	0.00	0.00	0.00	0.10	169.33	10	0.00	0.00	0.00	0.00	0.07	120.74
11	0.00	0.00	0.00	0.00	0.10	169.23	11	0.00	0.00	0.00	0.00	0.07	120.67
12	0.00	0.00	0.00	0.00	0.10	169.13	12	0.00	0.00	0.00	0.00	0.07	120.60
13	0.00	0.00	0.00	0.00	0.10	169.03	13	0.00	0.00	0.00	0.00	0.07	120.53
14	0.00	0.00	0.00	0.00	0.11	168.92	14	0.00	0.00	0.00	0.00	0.08	120.45
15	0.00	0.00	0.00	0.00	0.11	168.81	15	0.00	0.00	0.00	0.00	0.08	120.37
16	0.00	0.00	0.00	0.00	0.11	168.70	16	0.00	0.00	0.00	0.00	0.08	120.29
17	0.00	0.00	0.00	0.00	0.10	168.60	17	0.00	0.00	0.00	0.00	0.07	120.22
18	0.00	0.00	0.00	0.00	0.11	168.49	18	0.00	0.00	0.00	0.00	0.08	120.14
19	0.00	0.00	0.00	0.00	0.10	168.39	19	0.00	0.00	0.00	0.00	0.07	120.07
20	0.00	0.00	0.00	0.00	0.10	168.29	20	0.00	0.00	0.00	0.00	0.07	120.00
21	0.00	0.00	0.00	0.00	0.10	168.19	21	0.00	0.00	0.00	0.00	0.07	119.93
22	0.00	0.00	0.00	0.00	0.10	168.09	22	0.00	0.00	0.00	0.00	0.07	119.86
23	0.00	0.00	0.00	0.00	0.10	167.99	23	0.00	0.00	0.00	0.00	0.07	119.79
24	0.00	0.00	0.00	0.00	0.10	167.89	24	0.00	0.00	0.00	0.00	0.07	119.72
25	0.00	0.00	0.00	0.00	0.10	167.79	25	0.00	0.00	0.00	0.00	0.07	119.65
26	0.00	0.00	0.00	0.00	0.09	167.70	26	0.00	0.00	0.00	0.00	0.07	119.58
27	0.00	0.00	0.00	0.00	0.09	167.61	27	0.00	0.00	0.00	0.00	0.07	119.51
28	0.00	0.00	0.00	0.00	0.09	167.52	28	0.00	0.00	0.00	0.00	0.07	119.44
29	0.00	0.00	0.00	0.00	0.09	167.43	29	0.00	0.00	0.00	0.00	0.06	119.38
30	0.00	0.00	7.49	0.00	0.09	159.85	30	0.00	2.23	0.00	0.00	0.06	121.55
	0.00	0.00	7.49	0.00	3.11			0.00	2.23	0.00	0.00	2.23	



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						329.63							48.23
1	0.00	0.00	0.00	0.00	0.14	329.49	1	0.00	0.00	0.00	0.00	0.02	48.21
2	0.00	0.00	0.00	0.00	0.14	329.35	2	0.00	0.00	0.00	0.00	0.02	48.19
3	0.00	0.00	0.00	0.00	0.14	329.21	3	0.00	0.00	0.00	0.00	0.02	48.17
4	0.00	0.00	0.00	0.00	0.14	329.07	4	0.00	0.00	0.00	0.00	0.02	48.15
5	0.00	0.00	0.00	0.00	0.14	328.93	5	0.00	0.00	0.00	0.00	0.02	48.13
6	0.00	0.00	0.00	0.00	0.14	328.79	6	0.00	0.00	0.00	0.00	0.02	48.11
7	0.00	0.00	0.00	0.00	0.14	328.65	7	0.00	0.00	0.00	0.00	0.02	48.09
8	0.00	0.00	0.00	0.00	0.13	328.52	8	0.00	0.00	0.00	0.00	0.02	48.07
9	0.00	0.00	0.00	0.00	0.14	328.38	9	0.00	0.00	0.00	0.00	0.02	48.05
10	0.00	0.00	0.00	0.00	0.14	328.24	10	0.00	0.00	0.00	0.00	0.02	48.03
11	0.00	0.00	0.00	0.00	0.14	328.10	11	0.00	0.00	0.00	0.00	0.02	48.01
12	0.00	0.00	0.00	0.00	0.14	327.96	12	0.00	0.00	0.00	0.00	0.02	47.99
13	0.00	0.00	0.00	0.00	0.14	327.82	13	0.00	0.00	0.00	0.00	0.02	47.97
14	0.00	0.00	0.00	0.00	0.14	327.68	14	0.00	0.00	0.00	0.00	0.02	47.95
15	0.00	0.00	0.00	0.00	0.13	327.55	15	0.00	0.00	0.00	0.00	0.02	47.93
16	0.00	0.00	0.00	0.00	0.13	327.42	16	0.00	0.00	0.00	0.00	0.02	47.91
17	0.00	0.00	0.00	0.00	0.13	327.29	17	0.00	0.00	0.00	0.00	0.02	47.89
18	0.00	0.00	0.00	0.00	0.13	327.16	18	0.00	0.00	0.00	0.00	0.02	47.87
19	0.00	0.00	0.00	0.00	0.13	327.03	19	0.00	0.00	0.00	0.00	0.02	47.85
20	0.00	0.00	0.00	0.00	0.13	326.90	20	0.00	0.00	0.00	0.00	0.02	47.83
21	0.00	0.00	0.00	0.00	0.14	326.76	21	0.00	0.00	0.00	0.00	0.02	47.81
22	0.00	0.00	0.00	0.00	0.13	326.63	22	0.00	0.00	0.00	0.00	0.02	47.79
23	0.00	0.00	0.00	0.00	0.02	326.61	23	0.00	0.00	0.00	0.00	0.00	47.79
24	0.00	0.00	0.00	0.00	0.00	326.61	24	0.00	0.00	0.00	0.00	0.00	47.79
25	0.00	0.00	0.00	0.00	0.00	326.61	25	0.00	0.00	0.00	0.00	0.00	47.79
26	0.00	0.00	0.00	0.00	0.00	326.61	26	0.00	0.00	0.00	0.00	0.00	47.79
27	0.00	0.00	0.00	0.00	0.00	326.61	27	0.00	0.00	0.00	0.00	0.00	47.79
28	0.00	0.00	0.00	0.00	0.00	326.61	28	0.00	0.00	0.00	0.00	0.00	47.79
29	0.00	0.00	0.00	0.00	0.00	326.61	29	0.00	0.00	0.00	0.00	0.00	47.79
30	0.00	0.00	0.00	0.00	0.00	326.61	30	0.00	0.00	0.00	0.00	0.00	47.79
31	0.00	1.11	6.77	0.00	0.00	320.95	31	0.00	0.00	0.92	0.00	0.00	46.87
	0.00	1.11	6.77	0.00	3.02			0.00	0.00	0.92	0.00	0.44	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						159.85							121.55
1	0.00	0.00	0.00	0.00	0.07	159.78	1	0.00	0.00	0.00	0.00	0.05	121.50
2	0.00	0.00	0.00	0.00	0.07	159.71	2	0.00	0.00	0.00	0.00	0.05	121.45
3	0.00	0.00	0.00	0.00	0.07	159.64	3	0.00	0.00	0.00	0.00	0.05	121.40
4	0.00	0.00	0.00	0.00	0.07	159.57	4	0.00	0.00	0.00	0.00	0.05	121.35
5	0.00	0.00	0.00	0.00	0.07	159.50	5	0.00	0.00	0.00	0.00	0.05	121.30
6	0.00	0.00	0.00	0.00	0.07	159.43	6	0.00	0.00	0.00	0.00	0.05	121.25
7	0.00	0.00	0.00	0.00	0.07	159.36	7	0.00	0.00	0.00	0.00	0.05	121.20
8	0.00	0.00	0.00	0.00	0.06	159.30	8	0.00	0.00	0.00	0.00	0.05	121.15
9	0.00	0.00	0.00	0.00	0.07	159.23	9	0.00	0.00	0.00	0.00	0.05	121.10
10	0.00	0.00	0.00	0.00	0.07	159.16	10	0.00	0.00	0.00	0.00	0.05	121.05
11	0.00	0.00	0.00	0.00	0.07	159.09	11	0.00	0.00	0.00	0.00	0.05	121.00
12	0.00	0.00	0.00	0.00	0.07	159.02	12	0.00	0.00	0.00	0.00	0.05	120.95
13	0.00	0.00	0.00	0.00	0.07	158.95	13	0.00	0.00	0.00	0.00	0.05	120.90
14	0.00	0.00	0.00	0.00	0.07	158.88	14	0.00	0.00	0.00	0.00	0.05	120.85
15	0.00	0.00	0.00	0.00	0.06	158.82	15	0.00	0.00	0.00	0.00	0.05	120.80
16	0.00	0.00	0.00	0.00	0.06	158.76	16	0.00	0.00	0.00	0.00	0.05	120.75
17	0.00	0.00	0.00	0.00	0.06	158.70	17	0.00	0.00	0.00	0.00	0.05	120.70
18	0.00	0.00	0.00	0.00	0.06	158.64	18	0.00	0.00	0.00	0.00	0.05	120.65
19	0.00	0.00	0.00	0.00	0.06	158.58	19	0.00	0.00	0.00	0.00	0.05	120.60
20	0.00	0.00	0.00	0.00	0.06	158.52	20	0.00	0.00	0.00	0.00	0.05	120.55
21	0.00	0.00	0.00	0.00	0.07	158.45	21	0.00	0.00	0.00	0.00	0.05	120.50
22	0.00	0.00	0.00	0.00	0.06	158.39	22	0.00	0.00	0.00	0.00	0.05	120.45
23	0.00	0.00	0.00	0.00	0.01	158.38	23	0.00	0.00	0.00	0.00	0.01	120.44
24	0.00	0.00	0.00	0.00	0.00	158.38	24	0.00	0.00	0.00	0.00	0.00	120.44
25	0.00	0.00	0.00	0.00	0.00	158.38	25	0.00	0.00	0.00	0.00	0.00	120.44
26	0.00	0.00	0.00	0.00	0.00	158.38	26	0.00	0.00	0.00	0.00	0.00	120.44
27	0.00	0.00	0.00	0.00	0.00	158.38	27	0.00	0.00	0.00	0.00	0.00	120.44
28	0.00	0.00	0.00	0.00	0.00	158.38	28	0.00	0.00	0.00	0.00	0.00	120.44
29	0.00	0.00	0.00	0.00	0.00	158.38	29	0.00	0.00	0.00	0.00	0.00	120.44
30	0.00	0.00	0.00	0.00	0.00	158.38	30	0.00	0.00	0.00	0.00	0.00	120.44
31	0.00	0.00	5.85	0.00	0.00	152.53	31	0.00	1.11	0.00	0.00	0.00	121.55
	0.00	0.00	5.85	0.00	1.47			0.00	1.11	0.00	0.00	1.11	



OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						320.95							46.87
1	0.00	0.00	0.00	0.00	0.00	320.95	1	0.00	0.00	0.00	0.00	0.00	46.87
2	0.00	0.00	0.00	0.00	0.00	320.95	2	0.00	0.00	0.00	0.00	0.00	46.87
3	0.00	0.00	0.00	0.00	0.00	320.95	3	0.00	0.00	0.00	0.00	0.00	46.87
4	0.00	0.00	0.00	0.00	0.00	320.95	4	0.00	0.00	0.00	0.00	0.00	46.87
5	0.00	0.00	0.00	0.00	0.03	320.92	5	0.00	0.00	0.00	0.00	0.00	46.87
6	0.00	0.00	0.00	0.00	0.00	320.92	6	0.00	0.00	0.00	0.00	0.00	46.87
7	0.00	0.00	0.00	0.00	0.00	320.92	7	0.00	0.00	0.00	0.00	0.00	46.87
8	0.00	0.00	0.00	0.00	0.02	320.90	8	0.00	0.00	0.00	0.00	0.00	46.87
9	0.00	0.00	0.00	0.00	0.02	320.88	9	0.00	0.00	0.00	0.00	0.00	46.87
10	0.00	0.00	0.00	0.00	0.00	320.88	10	0.00	0.00	0.00	0.00	0.00	46.87
11	0.00	0.00	0.00	0.00	0.02	320.86	11	0.00	0.00	0.00	0.00	0.00	46.87
12	0.00	0.00	0.00	0.00	0.02	320.84	12	0.00	0.00	0.00	0.00	0.00	46.87
13	0.00	0.00	0.00	0.00	0.00	320.84	13	0.00	0.00	0.00	0.00	0.00	46.87
14	0.00	0.00	0.00	0.00	0.12	320.72	14	0.00	0.00	0.00	0.00	0.02	46.85
15	0.00	0.00	0.00	0.00	0.12	320.60	15	0.00	0.00	0.00	0.00	0.02	46.83
16	0.00	0.00	0.00	0.00	0.12	320.48	16	0.00	0.00	0.00	0.00	0.02	46.81
17	0.00	0.00	0.00	0.00	0.02	320.46	17	0.00	0.00	0.00	0.00	0.00	46.81
18	0.00	0.00	0.00	0.00	0.00	320.46	18	0.00	0.00	0.00	0.00	0.00	46.81
19	0.00	0.00	0.00	0.00	0.02	320.44	19	0.00	0.00	0.00	0.00	0.00	46.81
20	0.00	0.00	0.00	0.00	0.02	320.42	20	0.00	0.00	0.00	0.00	0.00	46.81
21	0.00	0.00	0.00	0.00	0.11	320.31	21	0.00	0.00	0.00	0.00	0.02	46.79
22	0.00	0.00	0.00	0.00	0.11	320.20	22	0.00	0.00	0.00	0.00	0.02	46.77
23	0.00	0.00	0.00	0.00	0.08	320.12	23	0.00	0.00	0.00	0.00	0.01	46.76
24	0.00	0.00	0.00	0.00	0.08	320.04	24	0.00	0.00	0.00	0.00	0.01	46.75
25	0.00	0.00	0.00	0.00	0.10	319.94	25	0.00	0.00	0.00	0.00	0.01	46.74
26	0.00	0.00	0.00	0.00	0.11	319.83	26	0.00	0.00	0.00	0.00	0.02	46.72
27	0.00	0.00	0.00	13.00	0.11	306.72	27	0.00	0.00	0.00	0.00	0.02	46.70
28	0.00	0.00	0.00	21.00	0.11	285.61	28	0.00	0.00	0.00	0.00	0.02	46.68
29	0.00	0.00	0.00	21.00	0.10	264.51	29	0.00	0.00	0.00	0.00	0.02	46.66
30	0.00	0.00	0.00	21.00	0.09	243.42	30	0.00	0.00	0.00	0.00	0.02	46.64
31	0.00	0.57	5.53	12.00	0.09	226.37	31	0.00	0.00	0.78	0.00	0.02	45.84
	0.00	0.57	5.53	88.00	1.62			0.00	0.00	0.78	0.00	0.25	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						152.53							121.55
1	0.00	0.00	0.00	0.00	0.00	152.53	1	0.00	0.00	0.00	0.00	0.00	121.55
2	0.00	0.00	0.00	0.00	0.00	152.53	2	0.00	0.00	0.00	0.00	0.00	121.55
3	0.00	0.00	0.00	0.00	0.00	152.53	3	0.00	0.00	0.00	0.00	0.00	121.55
4	0.00	0.00	0.00	0.00	0.00	152.53	4	0.00	0.00	0.00	0.00	0.00	121.55
5	0.00	0.00	0.00	0.00	0.02	152.51	5	0.00	0.00	0.00	0.00	0.01	121.54
6	0.00	0.00	0.00	0.00	0.00	152.51	6	0.00	0.00	0.00	0.00	0.00	121.54
7	0.00	0.00	0.00	0.00	0.00	152.51	7	0.00	0.00	0.00	0.00	0.00	121.54
8	0.00	0.00	0.00	0.00	0.01	152.50	8	0.00	0.00	0.00	0.00	0.01	121.53
9	0.00	0.00	0.00	0.00	0.01	152.49	9	0.00	0.00	0.00	0.00	0.01	121.52
10	0.00	0.00	0.00	0.00	0.00	152.49	10	0.00	0.00	0.00	0.00	0.00	121.52
11	0.00	0.00	0.00	0.00	0.01	152.48	11	0.00	0.00	0.00	0.00	0.01	121.51
12	0.00	0.00	0.00	0.00	0.01	152.47	12	0.00	0.00	0.00	0.00	0.01	121.50
13	0.00	0.00	0.00	0.00	0.00	152.47	13	0.00	0.00	0.00	0.00	0.00	121.50
14	0.00	0.00	0.00	0.00	0.06	152.41	14	0.00	0.00	0.00	0.00	0.04	121.46
15	0.00	0.00	0.00	0.00	0.06	152.35	15	0.00	0.00	0.00	0.00	0.04	121.42
16	0.00	0.00	0.00	0.00	0.06	152.29	16	0.00	0.00	0.00	0.00	0.04	121.38
17	0.00	0.00	0.00	0.00	0.01	152.28	17	0.00	0.00	0.00	0.00	0.01	121.37
18	0.00	0.00	0.00	0.00	0.00	152.28	18	0.00	0.00	0.00	0.00	0.00	121.37
19	0.00	0.00	0.00	0.00	0.01	152.27	19	0.00	0.00	0.00	0.00	0.01	121.36
20	0.00	0.00	0.00	0.00	0.01	152.26	20	0.00	0.00	0.00	0.00	0.01	121.35
21	0.00	0.00	0.00	0.00	0.05	152.21	21	0.00	0.00	0.00	0.00	0.04	121.31
22	0.00	0.00	0.00	0.00	0.05	152.16	22	0.00	0.00	0.00	0.00	0.04	121.27
23	0.00	0.00	0.00	0.00	0.04	152.12	23	0.00	0.00	0.00	0.00	0.03	121.24
24	0.00	0.00	0.00	0.00	0.04	152.08	24	0.00	0.00	0.00	0.00	0.03	121.21
25	0.00	0.00	0.00	0.00	0.05	152.03	25	0.00	0.00	0.00	0.00	0.04	121.17
26	0.00	0.00	0.00	0.00	0.05	151.98	26	0.00	0.00	0.00	0.00	0.04	121.13
27	0.00	0.00	0.00	0.00	0.05	151.93	27	0.00	0.00	0.00	13.00	0.04	108.09
28	0.00	0.00	0.00	0.00	0.05	151.88	28	0.00	0.00	0.00	21.00	0.04	87.05
29	0.00	0.00	0.00	0.00	0.05	151.83	29	0.00	0.00	0.00	21.00	0.03	66.02
30	0.00	0.00	0.00	0.00	0.05	151.78	30	0.00	0.00	0.00	21.00	0.02	45.00
31	0.00	0.00	4.75	0.00	0.05	146.98	31	0.00	0.57	0.00	12.00	0.02	33.55
	0.00	0.00	4.75	0.00	0.80			0.00	0.57	0.00	88.00	0.57	



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						226.37							45.84
1	0.00	0.00	0.00	0.00	0.12	226.25	1	0.00	0.00	0.00	0.00	0.02	45.82
2	0.00	0.00	0.00	0.00	0.13	226.12	2	0.00	0.00	0.00	0.00	0.03	45.79
3	0.00	0.00	0.00	0.00	0.13	225.99	3	0.00	0.00	0.00	0.00	0.03	45.76
4	0.00	0.00	0.00	0.00	0.13	225.86	4	0.00	0.00	0.00	0.00	0.03	45.73
5	0.00	0.00	0.00	0.00	0.12	225.74	5	0.00	0.00	0.00	0.00	0.02	45.71
6	0.00	0.00	0.00	0.00	0.12	225.62	6	0.00	0.00	0.00	0.00	0.02	45.69
7	0.00	0.00	0.00	0.00	0.12	225.50	7	0.00	0.00	0.00	0.00	0.02	45.67
8	0.00	0.00	0.00	0.00	0.12	225.38	8	0.00	0.00	0.00	0.00	0.02	45.65
9	0.00	0.00	0.00	0.00	0.12	225.26	9	0.00	0.00	0.00	0.00	0.02	45.63
10	0.00	0.00	0.00	0.00	0.12	225.14	10	0.00	0.00	0.00	0.00	0.02	45.61
11	0.00	0.00	0.00	0.00	0.12	225.02	11	0.00	0.00	0.00	0.00	0.02	45.59
12	0.00	0.00	0.00	0.00	0.12	224.90	12	0.00	0.00	0.00	0.00	0.02	45.57
13	0.00	0.00	0.00	0.00	0.12	224.78	13	0.00	0.00	0.00	0.00	0.02	45.55
14	0.00	0.00	0.00	0.00	0.12	224.66	14	0.00	0.00	0.00	0.00	0.02	45.53
15	0.00	0.00	0.00	0.00	0.11	224.55	15	0.00	0.00	0.00	0.00	0.02	45.51
16	0.00	0.00	0.00	0.00	0.11	224.44	16	0.00	0.00	0.00	0.00	0.02	45.49
17	0.00	0.00	0.00	0.00	0.11	224.33	17	0.00	0.00	0.00	0.00	0.02	45.47
18	0.00	0.00	0.00	0.00	0.11	224.22	18	0.00	0.00	0.00	0.00	0.02	45.45
19	0.00	0.00	0.00	0.00	0.11	224.11	19	0.00	0.00	0.00	0.00	0.02	45.43
20	0.00	0.00	0.00	0.00	0.11	224.00	20	0.00	0.00	0.00	0.00	0.02	45.41
21	0.00	0.00	0.00	0.00	0.11	223.89	21	0.00	0.00	0.00	0.00	0.02	45.39
22	0.00	0.00	0.00	0.00	0.11	223.78	22	0.00	0.00	0.00	0.00	0.02	45.37
23	0.00	0.00	0.00	0.00	0.11	223.67	23	0.00	0.00	0.00	0.00	0.02	45.35
24	0.00	0.00	0.00	0.00	0.11	223.56	24	0.00	0.00	0.00	0.00	0.02	45.33
25	0.00	0.00	0.00	0.00	0.11	223.45	25	0.00	0.00	0.00	0.00	0.02	45.31
26	0.00	0.00	0.00	0.00	0.11	223.34	26	0.00	0.00	0.00	0.00	0.02	45.29
27	0.00	0.00	0.00	0.00	0.11	223.23	27	0.00	0.00	0.00	0.00	0.02	45.27
28	0.00	0.56	4.64	0.00	0.11	219.04	28	0.00	0.00	0.67	0.00	0.02	44.58
	0.00	0.56	4.64	0.00	3.25			0.00	0.00	0.67	0.00	0.59	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						146.98							33.55
1	0.00	0.00	0.00	0.00	0.08	146.90	1	0.00	0.00	0.00	0.00	0.02	33.53
2	0.00	0.00	0.00	0.00	0.08	146.82	2	0.00	0.00	0.00	0.00	0.02	33.51
3	0.00	0.00	0.00	0.00	0.08	146.74	3	0.00	0.00	0.00	0.00	0.02	33.49
4	0.00	0.00	0.00	0.00	0.08	146.66	4	0.00	0.00	0.00	0.00	0.02	33.47
5	0.00	0.00	0.00	0.00	0.08	146.58	5	0.00	0.00	0.00	0.00	0.02	33.45
6	0.00	0.00	0.00	0.00	0.08	146.50	6	0.00	0.00	0.00	0.00	0.02	33.43
7	0.00	0.00	0.00	0.00	0.08	146.42	7	0.00	0.00	0.00	0.00	0.02	33.41
8	0.00	0.00	0.00	0.00	0.08	146.34	8	0.00	0.00	0.00	0.00	0.02	33.39
9	0.00	0.00	0.00	0.00	0.08	146.26	9	0.00	0.00	0.00	0.00	0.02	33.37
10	0.00	0.00	0.00	0.00	0.08	146.18	10	0.00	0.00	0.00	0.00	0.02	33.35
11	0.00	0.00	0.00	0.00	0.08	146.10	11	0.00	0.00	0.00	0.00	0.02	33.33
12	0.00	0.00	0.00	0.00	0.08	146.02	12	0.00	0.00	0.00	0.00	0.02	33.31
13	0.00	0.00	0.00	0.00	0.08	145.94	13	0.00	0.00	0.00	0.00	0.02	33.29
14	0.00	0.00	0.00	0.00	0.08	145.86	14	0.00	0.00	0.00	0.00	0.02	33.27
15	0.00	0.00	0.00	0.00	0.07	145.79	15	0.00	0.00	0.00	0.00	0.02	33.25
16	0.00	0.00	0.00	0.00	0.07	145.72	16	0.00	0.00	0.00	0.00	0.02	33.23
17	0.00	0.00	0.00	0.00	0.07	145.65	17	0.00	0.00	0.00	0.00	0.02	33.21
18	0.00	0.00	0.00	0.00	0.07	145.58	18	0.00	0.00	0.00	0.00	0.02	33.19
19	0.00	0.00	0.00	0.00	0.07	145.51	19	0.00	0.00	0.00	0.00	0.02	33.17
20	0.00	0.00	0.00	0.00	0.07	145.44	20	0.00	0.00	0.00	0.00	0.02	33.15
21	0.00	0.00	0.00	0.00	0.07	145.37	21	0.00	0.00	0.00	0.00	0.02	33.13
22	0.00	0.00	0.00	0.00	0.07	145.30	22	0.00	0.00	0.00	0.00	0.02	33.11
23	0.00	0.00	0.00	0.00	0.07	145.23	23	0.00	0.00	0.00	0.00	0.02	33.09
24	0.00	0.00	0.00	0.00	0.07	145.16	24	0.00	0.00	0.00	0.00	0.02	33.07
25	0.00	0.00	0.00	0.00	0.07	145.09	25	0.00	0.00	0.00	0.00	0.02	33.05
26	0.00	0.00	0.00	0.00	0.07	145.02	26	0.00	0.00	0.00	0.00	0.02	33.03
27	0.00	0.00	0.00	0.00	0.07	144.95	27	0.00	0.00	0.00	0.00	0.02	33.01
28	0.00	0.00	3.97	0.00	0.07	140.91	28	0.00	0.56	0.00	0.00	0.02	33.55
	0.00	0.00	3.97	0.00	2.10			0.00	0.56	0.00	0.00	0.56	





OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						219.04							44.58
1	0.00	0.00	0.00	0.00	0.17	218.87	1	0.00	0.00	0.00	0.00	0.03	44.55
2	0.00	0.00	0.00	0.00	0.17	218.70	2	0.00	0.00	0.00	0.00	0.03	44.52
3	0.00	0.00	0.00	0.00	0.17	218.53	3	0.00	0.00	0.00	0.00	0.03	44.49
4	0.00	0.00	0.00	0.00	0.17	218.36	4	0.00	0.00	0.00	0.00	0.03	44.46
5	0.00	0.00	0.00	0.00	0.17	218.19	5	0.00	0.00	0.00	0.00	0.03	44.43
6	0.00	0.00	0.00	0.00	0.17	218.02	6	0.00	0.00	0.00	0.00	0.03	44.40
7	0.00	0.00	0.00	0.00	0.17	217.85	7	0.00	0.00	0.00	0.00	0.03	44.37
8	0.00	0.00	0.00	0.00	0.17	217.68	8	0.00	0.00	0.00	0.00	0.03	44.34
9	0.00	0.00	0.00	0.00	0.17	217.51	9	0.00	0.00	0.00	0.00	0.03	44.31
10	0.00	0.00	0.00	0.00	0.17	217.34	10	0.00	0.00	0.00	0.00	0.03	44.28
11	0.00	0.00	0.00	0.00	0.17	217.17	11	0.00	0.00	0.00	0.00	0.03	44.25
12	0.00	0.00	0.00	0.00	0.17	217.00	12	0.00	0.00	0.00	0.00	0.03	44.22
13	0.00	0.00	0.00	0.00	0.17	216.83	13	0.00	0.00	0.00	0.00	0.03	44.19
14	0.00	0.00	0.00	0.00	0.15	216.68	14	0.00	0.00	0.00	0.00	0.03	44.16
15	0.00	0.00	0.00	0.00	0.17	216.51	15	0.00	0.00	0.00	0.00	0.03	44.13
16	0.00	0.00	0.00	0.00	0.17	216.34	16	0.00	0.00	0.00	0.00	0.03	44.10
17	0.00	0.00	0.00	0.00	0.17	216.17	17	0.00	0.00	0.00	0.00	0.03	44.07
18	0.00	0.00	0.00	0.00	0.17	216.00	18	0.00	0.00	0.00	0.00	0.03	44.04
19	0.00	0.00	0.00	0.00	0.17	215.83	19	0.00	0.00	0.00	0.00	0.03	44.01
20	0.00	0.00	0.00	0.00	0.17	215.66	20	0.00	0.00	0.00	0.00	0.03	43.98
21	0.00	0.00	0.00	0.00	0.16	215.50	21	0.00	0.00	0.00	0.00	0.03	43.95
22	0.00	0.00	0.00	0.00	0.15	215.35	22	0.00	0.00	0.00	0.00	0.03	43.92
23	0.00	0.00	0.00	0.00	0.15	215.20	23	0.00	0.00	0.00	0.00	0.03	43.89
24	0.00	0.00	0.00	0.00	0.15	215.05	24	0.00	0.00	0.00	0.00	0.03	43.86
25	0.00	0.00	0.00	0.00	0.15	214.90	25	0.00	0.00	0.00	0.00	0.03	43.83
26	0.00	0.00	0.00	0.00	0.15	214.75	26	0.00	0.00	0.00	0.00	0.03	43.80
27	0.00	0.00	0.00	0.00	0.15	214.60	27	0.00	0.00	0.00	0.00	0.03	43.77
28	0.00	0.00	0.00	0.00	0.15	214.45	28	0.00	0.00	0.00	0.00	0.03	43.74
29	0.00	0.00	0.00	0.00	0.15	214.30	29	0.00	0.00	0.00	0.00	0.03	43.71
30	0.00	0.00	0.00	0.00	0.15	214.15	30	0.00	0.00	0.00	0.00	0.03	43.68
31	0.00	60.39	4.92	15.00	0.15	254.47	31	0.00	14.58	0.63	0.00	0.03	57.60
	0.00	60.39	4.92	15.00	5.04			0.00	14.58	0.63	0.00	0.93	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						140.91							33.55
1	0.00	0.00	0.00	0.00	0.11	140.80	1	0.00	0.00	0.00	0.00	0.03	33.52
2	0.00	0.00	0.00	0.00	0.11	140.69	2	0.00	0.00	0.00	0.00	0.03	33.49
3	0.00	0.00	0.00	0.00	0.11	140.58	3	0.00	0.00	0.00	0.00	0.03	33.46
4	0.00	0.00	0.00	0.00	0.11	140.47	4	0.00	0.00	0.00	0.00	0.03	33.43
5	0.00	0.00	0.00	0.00	0.11	140.36	5	0.00	0.00	0.00	0.00	0.03	33.40
6	0.00	0.00	0.00	0.00	0.11	140.25	6	0.00	0.00	0.00	0.00	0.03	33.37
7	0.00	0.00	0.00	0.00	0.11	140.14	7	0.00	0.00	0.00	0.00	0.03	33.34
8	0.00	0.00	0.00	0.00	0.11	140.03	8	0.00	0.00	0.00	0.00	0.03	33.31
9	0.00	0.00	0.00	0.00	0.11	139.92	9	0.00	0.00	0.00	0.00	0.03	33.28
10	0.00	0.00	0.00	0.00	0.11	139.81	10	0.00	0.00	0.00	0.00	0.03	33.25
11	0.00	0.00	0.00	0.00	0.11	139.70	11	0.00	0.00	0.00	0.00	0.03	33.22
12	0.00	0.00	0.00	0.00	0.11	139.59	12	0.00	0.00	0.00	0.00	0.03	33.19
13	0.00	0.00	0.00	0.00	0.11	139.48	13	0.00	0.00	0.00	0.00	0.03	33.16
14	0.00	0.00	0.00	0.00	0.10	139.38	14	0.00	0.00	0.00	0.00	0.02	33.14
15	0.00	0.00	0.00	0.00	0.11	139.27	15	0.00	0.00	0.00	0.00	0.03	33.11
16	0.00	0.00	0.00	0.00	0.11	139.16	16	0.00	0.00	0.00	0.00	0.03	33.08
17	0.00	0.00	0.00	0.00	0.11	139.05	17	0.00	0.00	0.00	0.00	0.03	33.05
18	0.00	0.00	0.00	0.00	0.11	138.94	18	0.00	0.00	0.00	0.00	0.03	33.02
19	0.00	0.00	0.00	0.00	0.11	138.83	19	0.00	0.00	0.00	0.00	0.03	32.99
20	0.00	0.00	0.00	0.00	0.11	138.72	20	0.00	0.00	0.00	0.00	0.03	32.96
21	0.00	0.00	0.00	0.00	0.11	138.61	21	0.00	0.00	0.00	0.00	0.02	32.94
22	0.00	0.00	0.00	0.00	0.10	138.51	22	0.00	0.00	0.00	0.00	0.02	32.92
23	0.00	0.00	0.00	0.00	0.10	138.41	23	0.00	0.00	0.00	0.00	0.02	32.90
24	0.00	0.00	0.00	0.00	0.10	138.31	24	0.00	0.00	0.00	0.00	0.02	32.88
25	0.00	0.00	0.00	0.00	0.10	138.21	25	0.00	0.00	0.00	0.00	0.02	32.86
26	0.00	0.00	0.00	0.00	0.10	138.11	26	0.00	0.00	0.00	0.00	0.02	32.84
27	0.00	0.00	0.00	0.00	0.10	138.01	27	0.00	0.00	0.00	0.00	0.02	32.82
28	0.00	0.00	0.00	0.00	0.10	137.91	28	0.00	0.00	0.00	0.00	0.02	32.80
29	0.00	0.00	0.00	0.00	0.10	137.81	29	0.00	0.00	0.00	0.00	0.02	32.78
30	0.00	0.00	0.00	0.00	0.10	137.71	30	0.00	0.00	0.00	0.00	0.02	32.76
31	0.00	45.00	4.29	0.00	0.10	178.32	31	0.00	0.81	0.00	15.00	0.02	18.55
	0.00	45.00	4.29	0.00	3.30			0.00	0.81	0.00	15.00	0.81	



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						254.47							57.60
1	0.00	0.01	0.00	18.55	0.14	235.79	1	0.00	0.00	0.00	0.00	0.03	57.57
2	0.00	0.00	0.00	0.00	0.15	235.64	2	0.00	0.00	0.00	0.00	0.04	57.53
3	0.00	0.00	0.00	0.00	0.13	235.51	3	0.00	0.00	0.00	0.00	0.03	57.50
4	0.00	0.00	0.00	0.00	0.44	235.07	4	0.00	0.00	0.00	0.00	0.11	57.39
5	0.00	0.00	0.00	0.00	0.09	234.98	5	0.00	0.00	0.00	0.00	0.02	57.37
6	0.00	0.00	0.00	0.00	0.21	234.77	6	0.00	0.00	0.00	0.00	0.05	57.32
7	0.00	0.00	0.00	0.00	0.17	234.60	7	0.00	0.00	0.00	0.00	0.04	57.28
8	0.00	0.00	0.00	0.00	0.09	234.51	8	0.00	0.00	0.00	0.00	0.02	57.26
9	0.00	0.00	0.00	0.00	0.09	234.42	9	0.00	0.00	0.00	0.00	0.02	57.24
10	0.00	0.00	0.00	0.00	0.08	234.34	10	0.00	0.00	0.00	0.00	0.02	57.22
11	0.00	0.00	0.00	0.00	0.60	233.74	11	0.00	0.00	0.00	0.00	0.15	57.07
12	0.00	0.00	0.00	0.00	0.15	233.59	12	0.00	0.00	0.00	0.00	0.04	57.03
13	0.00	0.00	0.00	0.00	0.30	233.29	13	0.00	0.00	0.00	0.00	0.07	56.96
14	0.00	0.00	0.00	0.00	0.17	233.12	14	0.00	0.00	0.00	0.00	0.04	56.92
15	0.00	0.00	0.00	0.00	0.20	232.92	15	0.00	0.00	0.00	0.00	0.05	56.87
16	0.00	0.00	0.00	0.00	0.20	232.72	16	0.00	0.00	0.00	0.00	0.05	56.82
17	0.00	0.00	0.00	0.00	0.21	232.51	17	0.00	0.00	0.00	0.00	0.05	56.77
18	0.00	0.00	0.00	0.00	0.30	232.21	18	0.00	0.00	0.00	0.00	0.07	56.70
19	0.00	0.00	0.00	0.00	0.32	231.89	19	0.00	0.00	0.00	0.00	0.08	56.62
20	0.00	0.00	0.00	0.00	0.30	231.59	20	0.00	0.00	0.00	0.00	0.07	56.55
21	0.00	0.00	0.00	0.00	0.17	231.42	21	0.00	0.00	0.00	0.00	0.04	56.51
22	0.00	0.00	0.00	0.00	0.17	231.25	22	0.00	0.00	0.00	0.00	0.04	56.47
23	0.00	0.00	0.00	0.00	0.17	231.08	23	0.00	0.00	0.00	0.00	0.04	56.43
24	0.00	0.00	0.00	0.00	0.18	230.90	24	0.00	0.00	0.00	0.00	0.04	56.39
25	0.00	0.00	0.00	0.00	0.09	230.81	25	0.00	0.00	0.00	0.00	0.02	56.37
26	0.00	0.00	0.00	0.00	0.12	230.69	26	0.00	0.00	0.00	0.00	0.03	56.34
27	0.00	0.00	0.00	0.00	0.24	230.45	27	0.00	0.00	0.00	0.00	0.06	56.28
28	0.00	0.00	0.00	0.00	0.05	230.40	28	0.00	0.00	0.00	0.00	0.01	56.27
29	0.00	0.00	0.00	0.00	0.08	230.32	29	0.00	0.00	0.00	0.00	0.02	56.25
30	0.00	0.00	23.83	0.00	0.08	206.41	30	0.00	0.00	2.89	0.00	0.02	53.34
	0.00	0.01	23.83	18.55	5.69			0.00	0.00	2.89	0.00	1.37	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						178.32							18.55
1	0.00	0.00	0.00	0.00	0.10	178.22	1	0.00	0.01	0.00	18.55	0.01	0.00
2	0.00	0.00	0.00	0.00	0.11	178.11	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.10	178.01	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.33	177.68	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.07	177.61	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.16	177.45	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.13	177.32	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.07	177.25	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.07	177.18	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.06	177.12	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.45	176.67	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.11	176.56	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.23	176.33	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.13	176.20	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.15	176.05	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.15	175.90	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.16	175.74	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.23	175.51	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.24	175.27	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.23	175.04	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.13	174.91	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.13	174.78	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.13	174.65	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.14	174.51	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.07	174.44	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.09	174.35	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.18	174.17	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.04	174.13	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.06	174.07	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	20.94	0.00	0.06	153.07	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	20.94	0.00	4.31			0.00	0.01	0.00	18.55	0.01	



OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						206.41							53.34
1	0.00	247.40	0.00	0.00	0.08	453.73	1	0.00	13.59	0.00	0.00	0.02	66.91
2	0.00	0.77	0.00	0.00	0.21	454.29	2	0.00	0.00	0.00	0.00	0.03	66.88
3	0.00	0.77	0.00	0.00	0.32	454.74	3	0.00	0.00	0.00	0.00	0.05	66.83
4	0.00	0.77	0.00	0.00	0.35	455.16	4	0.00	0.00	0.00	0.00	0.05	66.78
5	0.00	0.77	0.00	0.00	0.53	455.40	5	0.00	0.00	0.00	0.00	0.08	66.70
6	0.00	0.77	0.00	0.00	0.48	455.69	6	0.00	0.00	0.00	0.00	0.07	66.63
7	0.00	0.77	0.00	0.00	0.49	455.97	7	0.00	0.00	0.00	0.00	0.07	66.56
8	0.00	0.77	0.00	0.00	0.50	456.24	8	0.00	0.00	0.00	0.00	0.07	66.49
9	0.00	0.77	0.00	0.00	0.70	456.31	9	0.00	0.00	0.00	0.00	0.10	66.39
10	0.00	0.77	0.00	0.00	0.66	456.42	10	0.00	0.00	0.00	0.00	0.10	66.29
11	0.00	0.77	0.00	0.00	1.02	456.17	11	0.00	0.00	0.00	0.00	0.15	66.14
12	0.00	0.77	0.00	0.00	0.58	456.36	12	0.00	0.00	0.00	0.00	0.08	66.06
13	0.00	635.59	0.00	0.00	0.13	1091.82	13	0.00	168.59	0.00	0.00	0.02	234.63
14	0.00	0.77	0.00	0.00	0.31	1092.28	14	0.00	0.00	0.00	0.00	0.07	234.56
15	0.00	0.77	0.00	0.00	0.32	1092.73	15	0.00	0.00	0.00	0.00	0.07	234.49
16	0.00	0.77	0.00	0.00	1.39	1092.11	16	0.00	0.00	0.00	0.00	0.30	234.19
17	0.00	0.77	0.00	0.00	2.37	1090.51	17	0.00	0.00	0.00	0.00	0.51	233.68
18	0.00	0.77	0.00	0.00	1.50	1089.78	18	0.00	0.00	0.00	0.00	0.32	233.36
19	0.00	0.77	0.00	0.00	1.43	1089.12	19	0.00	0.00	0.00	0.00	0.31	233.05
20	0.00	0.77	0.00	0.00	1.90	1087.99	20	0.00	0.00	0.00	0.00	0.41	232.64
21	0.00	0.77	0.00	0.00	1.93	1086.83	21	0.00	0.00	0.00	0.00	0.41	232.23
22	0.00	0.77	0.00	0.00	2.01	1085.59	22	0.00	0.00	0.00	0.00	0.43	231.80
23	0.00	0.77	0.00	0.00	1.47	1084.89	23	0.00	0.00	0.00	0.00	0.31	231.49
24	0.00	0.77	0.00	0.00	1.77	1083.89	24	0.00	0.00	0.00	0.00	0.38	231.11
25	0.00	0.77	0.00	0.00	0.94	1083.72	25	0.00	0.00	0.00	0.00	0.20	230.91
26	0.00	153.17	0.00	0.00	1.51	1235.38	26	0.00	8.37	0.00	0.00	0.32	238.96
27	0.00	0.77	0.00	0.00	1.49	1234.66	27	0.00	0.00	0.00	0.00	0.29	238.67
28	0.00	0.77	0.00	0.00	1.49	1233.94	28	0.00	0.00	0.00	0.00	0.29	238.38
29	0.00	0.77	0.00	0.00	1.50	1233.21	29	0.00	0.00	0.00	0.00	0.29	238.09
30	0.00	0.77	0.00	0.00	1.51	1232.47	30	0.00	0.00	0.00	0.00	0.29	237.80
31	0.00	0.68	30.14	0.00	1.28	1201.73	31	0.00	0.00	3.78	0.00	0.25	233.77
0.00	1057.63	30.14	0.00	0.00	32.17		0.00	190.55	3.78	0.00	0.00	6.34	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						153.07							0.00
1	0.00	233.81	0.00	0.00	0.06	386.82	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.18	386.64	2	0.00	0.77	0.00	0.00	0.00	0.77
3	0.00	0.00	0.00	0.00	0.27	386.37	3	0.00	0.77	0.00	0.00	0.00	1.54
4	0.00	0.00	0.00	0.00	0.30	386.07	4	0.00	0.77	0.00	0.00	0.00	2.31
5	0.00	0.00	0.00	0.00	0.45	385.62	5	0.00	0.77	0.00	0.00	0.00	3.08
6	0.00	0.00	0.00	0.00	0.41	385.21	6	0.00	0.77	0.00	0.00	0.00	3.85
7	0.00	0.00	0.00	0.00	0.42	384.79	7	0.00	0.77	0.00	0.00	0.00	4.62
8	0.00	0.00	0.00	0.00	0.42	384.37	8	0.00	0.77	0.00	0.00	0.01	5.38
9	0.00	0.00	0.00	0.00	0.59	383.78	9	0.00	0.77	0.00	0.00	0.01	6.14
10	0.00	0.00	0.00	0.00	0.55	383.23	10	0.00	0.77	0.00	0.00	0.01	6.90
11	0.00	0.00	0.00	0.00	0.85	382.38	11	0.00	0.77	0.00	0.00	0.02	7.65
12	0.00	0.00	0.00	0.00	0.49	381.89	12	0.00	0.77	0.00	0.00	0.01	8.41
13	0.00	466.23	0.00	0.00	0.11	848.01	13	0.00	0.77	0.00	0.00	0.00	9.18
14	0.00	0.00	0.00	0.00	0.24	847.77	14	0.00	0.77	0.00	0.00	0.00	9.95
15	0.00	0.00	0.00	0.00	0.25	847.52	15	0.00	0.77	0.00	0.00	0.00	10.72
16	0.00	0.00	0.00	0.00	1.08	846.44	16	0.00	0.77	0.00	0.00	0.01	11.48
17	0.00	0.00	0.00	0.00	1.84	844.60	17	0.00	0.77	0.00	0.00	0.02	12.23
18	0.00	0.00	0.00	0.00	1.16	843.44	18	0.00	0.77	0.00	0.00	0.02	12.98
19	0.00	0.00	0.00	0.00	1.10	842.34	19	0.00	0.77	0.00	0.00	0.02	13.73
20	0.00	0.00	0.00	0.00	1.47	840.87	20	0.00	0.77	0.00	0.00	0.02	14.48
21	0.00	0.00	0.00	0.00	1.49	839.38	21	0.00	0.77	0.00	0.00	0.03	15.22
22	0.00	0.00	0.00	0.00	1.55	837.83	22	0.00	0.77	0.00	0.00	0.03	15.96
23	0.00	0.00	0.00	0.00	1.14	836.69	23	0.00	0.77	0.00	0.00	0.02	16.71
24	0.00	0.00	0.00	0.00	1.36	835.33	24	0.00	0.77	0.00	0.00	0.03	17.45
25	0.00	0.00	0.00	0.00	0.72	834.61	25	0.00	0.77	0.00	0.00	0.02	18.20
26	0.00	144.03	0.00	0.00	1.16	977.48	26	0.00	0.77	0.00	0.00	0.03	18.94
27	0.00	0.00	0.00	0.00	1.18	976.30	27	0.00	0.77	0.00	0.00	0.02	19.69
28	0.00	0.00	0.00	0.00	1.18	975.12	28	0.00	0.77	0.00	0.00	0.02	20.44
29	0.00	0.00	0.00	0.00	1.19	973.93	29	0.00	0.77	0.00	0.00	0.02	21.19
30	0.00	0.00	0.00	0.00	1.19	972.74	30	0.00	0.77	0.00	0.00	0.03	21.93
31	0.00	0.00	26.36	0.00	1.01	945.37	31	0.00	0.68	0.00	0.00	0.02	22.59
0.00	844.07	26.36	0.00	0.00	25.41		0.00	23.01	0.00	0.00	0.00	0.42	



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1201.73							233.77
1	0.00	0.00	0.00	0.00	1.28	1200.45	1	0.00	0.00	0.00	0.00	0.25	233.52
2	0.00	0.92	0.00	0.00	1.45	1199.92	2	0.00	0.00	0.00	0.00	0.28	233.24
3	0.00	1.66	0.00	0.00	1.58	1200.00	3	0.00	0.00	0.00	0.00	0.31	232.93
4	0.00	1.66	0.00	0.00	1.56	1200.10	4	0.00	0.00	0.00	0.00	0.30	232.63
5	0.00	1.08	0.00	0.00	1.61	1199.57	5	0.00	0.00	0.00	0.00	0.31	232.32
6	0.00	0.00	0.00	0.00	2.41	1197.16	6	0.00	0.00	0.00	0.00	0.47	231.85
7	0.00	0.00	0.00	0.00	3.41	1193.75	7	0.00	0.00	0.00	0.00	0.66	231.19
8	0.00	0.00	0.00	0.00	2.18	1191.57	8	0.00	0.00	0.00	0.00	0.42	230.77
9	0.00	0.00	0.00	0.00	1.80	1189.77	9	0.00	0.00	0.00	0.00	0.35	230.42
10	0.00	0.00	0.00	0.00	0.98	1188.79	10	0.00	0.00	0.00	0.00	0.19	230.23
11	0.00	0.00	0.00	0.00	0.98	1187.81	11	0.00	0.00	0.00	0.00	0.19	230.04
12	0.00	0.00	0.00	130.75	1.06	1056.00	12	0.00	0.00	0.00	0.00	0.21	229.83
13	0.00	0.00	0.00	495.88	1.03	559.09	13	0.00	0.00	0.00	0.00	0.22	229.61
14	0.00	0.00	0.00	495.88	1.07	62.14	14	0.00	0.00	0.00	194.42	0.44	34.75
15	0.00	91.74	0.00	124.79	0.07	29.02	15	0.00	18.08	0.00	52.79	0.04	0.00
16	0.00	1.66	0.00	0.00	0.05	30.63	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	1.19	0.00	0.00	0.05	31.77	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.79	0.00	0.00	0.06	32.50	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.79	0.00	0.00	0.06	33.23	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.79	0.00	0.00	0.05	33.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.79	0.00	0.00	0.07	34.69	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.79	0.00	0.00	0.09	35.39	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.79	0.00	0.00	0.07	36.11	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.79	0.00	0.00	0.07	36.83	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.79	0.00	0.00	0.07	37.55	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.79	0.00	0.00	0.07	38.27	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.79	0.00	0.00	0.09	38.97	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.79	0.00	0.00	0.09	39.67	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.79	0.00	0.00	0.06	40.40	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.79	0.00	0.00	0.09	41.10	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	110.18	0.00	1247.30	23.51			0.00	18.08	0.00	247.22	4.64	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						945.37							22.59
1	0.00	0.00	0.00	0.00	1.01	944.36	1	0.00	0.00	0.00	0.00	0.02	22.57
2	0.00	0.00	0.00	0.00	1.14	943.22	2	0.00	0.92	0.00	0.00	0.03	23.46
3	0.00	0.00	0.00	0.00	1.24	941.98	3	0.00	1.66	0.00	0.00	0.03	25.09
4	0.00	0.00	0.00	0.00	1.23	940.75	4	0.00	1.66	0.00	0.00	0.03	26.72
5	0.00	0.00	0.00	0.00	1.26	939.49	5	0.00	1.08	0.00	0.00	0.04	27.76
6	0.00	0.00	0.00	0.00	1.88	937.61	6	0.00	0.00	0.00	0.00	0.06	27.70
7	0.00	0.00	0.00	0.00	2.67	934.94	7	0.00	0.00	0.00	0.00	0.08	27.62
8	0.00	0.00	0.00	0.00	1.71	933.23	8	0.00	0.00	0.00	0.00	0.05	27.57
9	0.00	0.00	0.00	0.00	1.41	931.82	9	0.00	0.00	0.00	0.00	0.04	27.53
10	0.00	0.00	0.00	0.00	0.77	931.05	10	0.00	0.00	0.00	0.00	0.02	27.51
11	0.00	0.00	0.00	0.00	0.77	930.28	11	0.00	0.00	0.00	0.00	0.02	27.49
12	0.00	0.00	0.00	130.75	0.83	798.70	12	0.00	0.00	0.00	0.00	0.02	27.47
13	0.00	0.00	0.00	495.88	0.78	302.04	13	0.00	0.00	0.00	0.00	0.03	27.44
14	0.00	0.00	0.00	301.46	0.58	0.00	14	0.00	0.00	0.00	0.00	0.05	27.39
15	0.00	72.00	0.00	72.00	0.00	0.00	15	0.00	1.66	0.00	0.00	0.03	29.02
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	1.66	0.00	0.00	0.05	30.63
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	1.19	0.00	0.00	0.05	31.77
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.79	0.00	0.00	0.06	32.50
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.79	0.00	0.00	0.06	33.23
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.79	0.00	0.00	0.05	33.97
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.79	0.00	0.00	0.07	34.69
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.79	0.00	0.00	0.09	35.39
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.79	0.00	0.00	0.07	36.11
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.79	0.00	0.00	0.07	36.83
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.79	0.00	0.00	0.07	37.55
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.79	0.00	0.00	0.07	38.27
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.79	0.00	0.00	0.09	38.97
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.79	0.00	0.00	0.09	39.67
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.79	0.00	0.00	0.06	40.40
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.79	0.00	0.00	0.09	41.10
	0.00	72.00	0.00	1000.09	17.28			0.00	20.10	0.00	0.00	1.59	





OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						41.10							0.00
1	0.00	0.77	0.00	0.00	0.09	41.78	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.77	0.00	0.00	0.09	42.46	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.77	0.00	0.00	0.09	43.14	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.77	0.00	0.00	0.09	43.82	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.77	0.00	0.00	0.09	44.50	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.77	0.00	0.00	0.07	45.20	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	1.54	-0.77	0.00	0.12	47.39	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.77	0.00	0.00	0.14	48.02	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.77	0.00	0.00	0.15	48.64	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.77	0.00	0.00	0.16	49.25	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.77	0.00	0.00	0.18	49.84	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.77	0.00	0.00	0.16	50.45	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.77	0.00	0.00	0.16	51.06	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.77	0.00	0.00	0.18	51.65	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.77	0.00	0.00	0.20	52.22	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.77	0.00	0.00	0.22	52.77	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.77	0.00	0.00	0.24	53.30	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.77	0.00	0.00	0.05	54.02	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.77	0.00	0.00	0.32	54.47	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.77	0.00	0.00	0.39	54.85	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.77	0.00	0.00	0.36	55.26	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.77	0.00	0.00	0.36	55.67	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.77	0.00	0.00	0.36	56.08	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.77	0.00	0.00	0.36	56.49	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.77	0.00	0.00	0.28	56.98	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.77	0.00	0.00	0.10	57.65	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.77	0.00	0.00	0.34	58.08	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.77	0.00	0.00	0.38	58.47	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.77	0.00	0.00	0.44	58.80	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.77	0.00	0.00	0.45	59.12	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	9.44	0.00	0.00	0.46	68.10	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	33.31	-0.77	0.00	7.08			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							41.10
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.77	0.00	0.00	0.09	41.78
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.77	0.00	0.00	0.09	42.46
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.77	0.00	0.00	0.09	43.14
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.77	0.00	0.00	0.09	43.82
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.77	0.00	0.00	0.09	44.50
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.77	0.00	0.00	0.07	45.20
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	1.54	-0.77	0.00	0.12	47.39
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.77	0.00	0.00	0.14	48.02
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.77	0.00	0.00	0.15	48.64
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.77	0.00	0.00	0.16	49.25
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.77	0.00	0.00	0.18	49.84
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.77	0.00	0.00	0.16	50.45
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.77	0.00	0.00	0.16	51.06
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.77	0.00	0.00	0.18	51.65
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.77	0.00	0.00	0.20	52.22
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.77	0.00	0.00	0.22	52.77
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.77	0.00	0.00	0.24	53.30
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.77	0.00	0.00	0.05	54.02
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.77	0.00	0.00	0.32	54.47
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.77	0.00	0.00	0.39	54.85
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.77	0.00	0.00	0.36	55.26
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.77	0.00	0.00	0.36	55.67
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.77	0.00	0.00	0.36	56.08
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.77	0.00	0.00	0.36	56.49
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.77	0.00	0.00	0.28	56.98
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.77	0.00	0.00	0.10	57.65
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.77	0.00	0.00	0.34	58.08
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.77	0.00	0.00	0.38	58.47
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.77	0.00	0.00	0.44	58.80
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.77	0.00	0.00	0.45	59.12
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	9.44	0.00	0.00	0.46	68.10
	0.00	0.00	0.00	0.00	0.00			0.00	33.31	-0.77	0.00	7.08	



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1	0.00	0.71	0.00	0.00	0.58	68.23	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.71	0.00	0.00	0.58	68.36	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.71	0.00	0.00	0.41	68.66	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.71	0.00	0.00	0.22	69.15	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.71	0.00	0.00	0.29	69.57	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.71	0.00	0.00	0.29	69.99	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.71	0.00	0.00	0.30	70.40	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.71	0.00	0.00	0.25	70.86	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.71	0.00	0.00	0.45	71.12	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.71	0.00	0.00	0.34	71.49	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.71	0.00	0.00	0.36	71.84	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.71	0.00	0.00	0.14	72.41	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.71	0.00	0.00	0.15	72.97	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.71	0.00	0.00	0.15	73.53	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.71	0.00	0.00	0.24	74.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.71	0.00	0.00	0.28	74.43	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.71	0.00	0.00	0.33	74.81	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.71	0.00	0.00	0.31	75.21	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.71	0.00	0.00	0.25	75.67	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.71	0.00	0.00	0.25	76.13	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.71	0.00	0.00	0.25	76.59	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.71	0.00	0.00	0.05	77.25	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.71	0.00	0.00	0.34	77.62	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.71	0.00	0.00	0.33	78.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.71	0.00	0.00	0.34	78.37	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.71	0.00	0.00	0.28	78.80	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.71	0.00	0.00	0.28	79.23	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.71	0.00	0.00	0.28	79.66	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.71	0.00	0.00	0.38	79.99	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.71	0.00	0.00	0.48	80.22	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.71	0.00	0.00	0.31	80.62	31	0.00	0.00	0.00	0.00	0.00	0.00
0.00 22.01 0.00 0.00 9.49							0.00 0.00 0.00 0.00 0.00						

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Kecsee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1	0.00	0.00	0.00	0.00	0.00	68.10	1	0.00	0.71	0.00	0.00	0.58	68.23
2	0.00	0.00	0.00	0.00	0.00	68.00	2	0.00	0.71	0.00	0.00	0.58	68.36
3	0.00	0.00	0.00	0.00	0.00	68.00	3	0.00	0.71	0.00	0.00	0.41	68.66
4	0.00	0.00	0.00	0.00	0.00	68.00	4	0.00	0.71	0.00	0.00	0.22	69.15
5	0.00	0.00	0.00	0.00	0.00	68.00	5	0.00	0.71	0.00	0.00	0.29	69.57
6	0.00	0.00	0.00	0.00	0.00	68.00	6	0.00	0.71	0.00	0.00	0.29	69.99
7	0.00	0.00	0.00	0.00	0.00	68.00	7	0.00	0.71	0.00	0.00	0.30	70.40
8	0.00	0.00	0.00	0.00	0.00	68.00	8	0.00	0.71	0.00	0.00	0.25	70.86
9	0.00	0.00	0.00	0.00	0.00	68.00	9	0.00	0.71	0.00	0.00	0.45	71.12
10	0.00	0.00	0.00	0.00	0.00	68.00	10	0.00	0.71	0.00	0.00	0.34	71.49
11	0.00	0.00	0.00	0.00	0.00	68.00	11	0.00	0.71	0.00	0.00	0.36	71.84
12	0.00	0.00	0.00	0.00	0.00	68.00	12	0.00	0.71	0.00	0.00	0.14	72.41
13	0.00	0.00	0.00	0.00	0.00	68.00	13	0.00	0.71	0.00	0.00	0.15	72.97
14	0.00	0.00	0.00	0.00	0.00	68.00	14	0.00	0.71	0.00	0.00	0.15	73.53
15	0.00	0.00	0.00	0.00	0.00	68.00	15	0.00	0.71	0.00	0.00	0.24	74.00
16	0.00	0.00	0.00	0.00	0.00	68.00	16	0.00	0.71	0.00	0.00	0.28	74.43
17	0.00	0.00	0.00	0.00	0.00	68.00	17	0.00	0.71	0.00	0.00	0.33	74.81
18	0.00	0.00	0.00	0.00	0.00	68.00	18	0.00	0.71	0.00	0.00	0.31	75.21
19	0.00	0.00	0.00	0.00	0.00	68.00	19	0.00	0.71	0.00	0.00	0.25	75.67
20	0.00	0.00	0.00	0.00	0.00	68.00	20	0.00	0.71	0.00	0.00	0.25	76.13
21	0.00	0.00	0.00	0.00	0.00	68.00	21	0.00	0.71	0.00	0.00	0.25	76.59
22	0.00	0.00	0.00	0.00	0.00	68.00	22	0.00	0.71	0.00	0.00	0.05	77.25
23	0.00	0.00	0.00	0.00	0.00	68.00	23	0.00	0.71	0.00	0.00	0.34	77.62
24	0.00	0.00	0.00	0.00	0.00	68.00	24	0.00	0.71	0.00	0.00	0.33	78.00
25	0.00	0.00	0.00	0.00	0.00	68.00	25	0.00	0.71	0.00	0.00	0.34	78.37
26	0.00	0.00	0.00	0.00	0.00	68.00	26	0.00	0.71	0.00	0.00	0.28	78.80
27	0.00	0.00	0.00	0.00	0.00	68.00	27	0.00	0.71	0.00	0.00	0.28	79.23
28	0.00	0.00	0.00	0.00	0.00	68.00	28	0.00	0.71	0.00	0.00	0.28	79.66
29	0.00	0.00	0.00	0.00	0.00	68.00	29	0.00	0.71	0.00	0.00	0.38	79.99
30	0.00	0.00	0.00	0.00	0.00	68.00	30	0.00	0.71	0.00	0.00	0.48	80.22
31	0.00	0.00	0.00	0.00	0.00	68.00	31	0.00	0.71	0.00	0.00	0.31	80.62
0.00 0.00 0.00 0.00 0.00							0.00 22.01 0.00 0.00 9.49						



OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						80.62							0.00
1	0.00	0.63	0.00	0.00	0.19	81.06	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.63	0.00	0.00	0.35	81.34	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.63	0.00	0.00	0.36	81.61	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.63	0.00	0.00	0.36	81.88	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.63	0.00	0.00	0.38	82.13	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.63	0.00	0.00	0.27	82.49	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.63	0.00	0.00	0.31	82.81	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.63	0.00	0.00	0.56	82.88	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.63	0.00	0.00	0.52	82.99	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.63	0.00	0.00	0.53	83.09	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.63	0.00	0.00	0.54	83.18	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.63	0.00	0.00	0.51	83.30	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.63	0.00	0.00	0.36	83.57	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.63	0.00	0.00	0.18	84.02	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.63	0.00	0.00	0.27	84.38	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.63	0.00	0.00	0.40	84.61	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.63	0.00	0.00	0.40	84.84	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.63	0.00	0.00	0.42	85.05	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.63	0.00	0.00	0.03	85.65	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.63	0.00	0.00	0.31	85.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.63	0.00	0.00	0.40	86.20	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.63	0.00	0.00	0.19	86.64	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.63	0.00	0.00	0.33	86.94	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.63	0.00	0.00	0.33	87.24	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.63	0.00	0.00	0.33	87.54	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.63	0.00	0.00	0.34	87.83	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.63	0.00	0.00	0.28	88.18	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.63	0.00	0.00	0.06	88.75	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.63	0.00	0.00	0.30	89.08	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.63	0.00	0.00	0.33	89.38	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	18.90	0.00	0.00	10.14			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							80.62
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.63	0.00	0.00	0.19	81.06
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.63	0.00	0.00	0.35	81.34
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.63	0.00	0.00	0.36	81.61
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.63	0.00	0.00	0.36	81.88
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.63	0.00	0.00	0.38	82.13
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.63	0.00	0.00	0.27	82.49
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.63	0.00	0.00	0.31	82.81
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.63	0.00	0.00	0.56	82.88
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.63	0.00	0.00	0.52	82.99
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.63	0.00	0.00	0.53	83.09
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.63	0.00	0.00	0.54	83.18
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.63	0.00	0.00	0.51	83.30
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.63	0.00	0.00	0.36	83.57
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.63	0.00	0.00	0.18	84.02
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.63	0.00	0.00	0.27	84.38
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.63	0.00	0.00	0.40	84.61
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.63	0.00	0.00	0.40	84.84
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.63	0.00	0.00	0.42	85.05
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.63	0.00	0.00	0.03	85.65
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.63	0.00	0.00	0.31	85.97
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.63	0.00	0.00	0.40	86.20
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.63	0.00	0.00	0.19	86.64
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.63	0.00	0.00	0.33	86.94
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.63	0.00	0.00	0.33	87.24
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.63	0.00	0.00	0.33	87.54
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.63	0.00	0.00	0.34	87.83
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.63	0.00	0.00	0.28	88.18
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.63	0.00	0.00	0.06	88.75
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.63	0.00	0.00	0.30	89.08
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.63	0.00	0.00	0.33	89.38
	0.00	0.00	0.00	0.00	0.00			0.00	18.90	0.00	0.00	10.14	



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						89.38							0.00
1	0.00	0.55	0.00	0.00	0.33	89.60	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.55	0.00	0.00	0.33	89.82	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.55	0.00	0.00	0.63	89.74	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.55	0.00	0.00	0.32	89.97	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.55	0.00	0.00	0.17	90.35	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.55	0.00	0.00	0.32	90.58	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.55	0.00	0.00	0.15	90.98	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.55	0.00	0.00	0.15	91.38	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.55	0.00	0.00	0.15	91.78	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.55	0.00	0.00	0.16	92.17	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.55	0.00	0.00	0.16	92.56	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.55	0.00	0.00	0.14	92.97	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.55	0.00	0.00	0.14	93.38	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.55	0.00	0.00	0.17	93.76	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.55	0.00	0.00	0.17	94.14	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.55	0.00	0.00	0.18	94.51	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.55	0.00	0.00	0.25	94.81	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.55	0.00	0.00	0.22	95.14	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.55	0.00	0.00	0.09	95.60	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.55	0.00	0.00	0.13	96.02	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.55	0.00	0.00	0.15	96.42	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.55	0.00	0.00	0.16	96.81	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.55	0.00	0.00	0.16	97.20	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.55	0.00	0.00	0.12	97.63	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.55	0.00	0.00	0.08	98.10	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.55	0.00	0.00	0.25	98.40	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.55	0.00	0.00	0.20	98.75	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.55	0.00	0.00	0.21	99.09	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.55	0.00	0.00	0.21	99.43	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.55	0.00	0.00	0.20	99.78	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.55	0.00	0.00	0.26	100.07	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	17.05	0.00	0.00	6.36			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							89.38
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.55	0.00	0.00	0.33	89.60
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.55	0.00	0.00	0.33	89.82
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.55	0.00	0.00	0.63	89.74
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.55	0.00	0.00	0.32	89.97
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.55	0.00	0.00	0.17	90.35
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.55	0.00	0.00	0.32	90.58
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.55	0.00	0.00	0.15	90.98
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.55	0.00	0.00	0.15	91.38
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.55	0.00	0.00	0.15	91.78
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.55	0.00	0.00	0.16	92.17
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.55	0.00	0.00	0.16	92.56
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.55	0.00	0.00	0.14	92.97
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.55	0.00	0.00	0.14	93.38
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.55	0.00	0.00	0.17	93.76
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.55	0.00	0.00	0.17	94.14
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.55	0.00	0.00	0.18	94.51
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.55	0.00	0.00	0.25	94.81
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.55	0.00	0.00	0.22	95.14
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.55	0.00	0.00	0.09	95.60
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.55	0.00	0.00	0.13	96.02
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.55	0.00	0.00	0.15	96.42
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.55	0.00	0.00	0.16	96.81
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.55	0.00	0.00	0.16	97.20
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.55	0.00	0.00	0.12	97.63
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.55	0.00	0.00	0.08	98.10
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.55	0.00	0.00	0.25	98.40
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.55	0.00	0.00	0.20	98.75
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.55	0.00	0.00	0.21	99.09
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.55	0.00	0.00	0.21	99.43
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.55	0.00	0.00	0.20	99.78
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.55	0.00	0.00	0.26	100.07
	0.00	0.00	0.00	0.00	0.00			0.00	17.05	0.00	0.00	6.36	

## **SECTION 3**

**March 2005**



# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>



March 21, 2005

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

Dear Mike,


The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA), Colorado Water Protective & Development Association (CWPD), Arkansas Groundwater Users Association (AGUA), Fort Lyon Well Users Association (FLWUA) as well as the smaller plan associations (FNMC and McComber) have initiated actions to transfer approximately **2000 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water and Colorado Upstream Consumable Water subaccounts of the Offset Account. These associations purchased fully consumable water via the Lower Arkansas Valley Water Conservancy District from Pueblo Board of Water Works. The Pueblo Board of Water Works fully consumable water will be contract exchanged for Fort Lyon Section III water in John Martin and immediately transferred into the Offset Account. The Fort Lyon Canal Company will take delivery of 2000 acre-feet of water stored in the Lake Meredith Reservoir system to the Fort Lyon headgate fully maintaining the historical return flow pattern of the Section III water. The transfer from the Section III account will be made at 2400 hrs, March 22, 2005.

Colorado Downstream Consumable Water Subaccount	1367.68 acre-feet
Colorado Upstream Consumable Water Subaccount	632.32 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

If you have any questions in the meantime, please call me.

Sincerely,

  
Bill W. Tyner  
Assistant Division Engineer



# STATE OF COLORADO

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OFFICE OF THE STATE ENGINEER**

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Pueblo, Colorado 81004  
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<http://water.state.co.us/default.htm>



March 31, 2005

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer the balance of the **500 acre-feet** of fully consumable water to the Offset Account for the purpose of satisfying the Storage Charge prerequisite for using the Offset Account as provided for in paragraph 9 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). LAWMA delivered Highland Canal consumable water to the Offset Account in September and October of 2004 and transferred that consumable water into the Kansas Charge subaccount as pre-payment of the Offset Account Charge for 2005. As of 24:00 hours on March 30, 2005, the Kansas Charge subaccount balance was at 414.11 acre feet leaving approximately 86 acre-feet to deliver by 24:00 hours on March 31, 2005 to fulfill the 500 acre-foot obligation. The transfer will be made at 2400 hrs, March 31, 2005. 145.5 acre-feet of water will be transferred from LAWMA's XY-Graham Article II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 145.5 acre-feet will be made in the Offset Account.

Kansas Storage Charge Subaccount	86 acre-feet
Colorado Downstream Consumable Water Subaccount	N/A
Return Flow Subaccount	44.9 acre-feet
Return Flow Transit Loss Subaccount	14.6 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer

**Tyner, Bill**

**From:** Tyner, Bill  
**Sent:** Thursday, March 31, 2005 4:24 PM  
**To:** Michael Meyer (mmeyer@kda.state.ks.us)  
**Cc:** David Pope (David Pope); Witte, Steve; Flory, Joe; Morey, Monique; Kevin Salter(KSALTER@KDA.STATE.KS.US); Jim Slattery (JSlattery@helton-williamsen.com); Don Higbee (Don Higbee, Lower Arkansas Water Management Association); Dennis Montgomery (dennismontgomery@hillandrobins.com)  
**Subject:** Delivery to Offset Account for 2005 Storage Charge

**March 31, 2005**

Michael Meyer  
 Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer the balance of the **500 acre-feet** of fully consumable water to the Offset Account for the purpose of satisfying the Storage Charge prerequisite for using the Offset Account as provided for in paragraph 9 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). LAWMA delivered Highland Canal consumable water to the Offset Account in September and October of 2004 and transferred that consumable water into the Kansas Charge subaccount as pre-payment of the Offset Account Charge for 2005. As of 24:00 hours on March 30, 2005, the Kansas Charge subaccount balance was at 414.11 acre feet leaving approximately **86 acre-feet to deliver by 24:00 hours on March 31, 2005 to fulfill the 500 acre-foot obligation.** The transfer will be made at 2400 hrs, March 31, 2005. 145.5 acre-feet of water will be transferred from LAWMA's XY-Graham Article II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 145.5 acre-feet will be made in the Offset Account.

Kansas Storage Charge Subaccount	86 acre-feet
Colorado Downstream Consumable Water Subaccount	N/A
Return Flow Subaccount	44.9 acre-feet
Return Flow Transit Loss Subaccount	14.6 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
 Assistant Division Engineer

3/31/2005

## **SECTION 3**

**April 2005**

# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
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Bill Owens  
Governor

Russell George  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

April 27, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Transfer to the Offset Account in John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of a transfer of water to the Offset Account.

The Lower Arkansas Water Management Association (LAWMA) has delivered 500 acre-feet of fully consumable water to the Offset Account for the purpose of satisfying the Storage Charge prerequisite for using the Offset Account as provided for in paragraph 9 of the Resolution. LAWMA delivered Highland Canal consumable water to the Offset Account in September and October of 2004 and transferred that consumable water into the Kansas Charge subaccount as pre-payment of the Offset Account Charge for 2005. As of 24:00 hours on March 30, 2005, the Kansas Charge subaccount balance was at 414.11 acre feet. After applying the evaporation charge of 0.31 acre-feet for March 31, 2005, a transfer of 86.2 acre-feet was delivered at 24:00 hours on March 31, 2005 to fulfill the 500 acre-foot obligation.

The Lower Arkansas Water Management Association (LAWMA) has transferred **86.2 acre-feet** of fully consumable water to the Kansas Charge subaccount of the Offset Account. A total of **145.78 acre-feet** of water was transferred from LAWMA's X-Y Article II account. 86.2 acre-feet of fully consumable water was placed in the Kansas Charge subaccount, 45 acre-feet was placed in the Return Flow subaccount, and 14.58 acre-feet was placed in the Return Flow Transit Loss subaccount of the Offset Account.

A copy of the accounting spreadsheet for John Martin Reservoir for March 31, 2005 is attached at Enclosure 1. This accounting shows the transfer of water into the subaccounts referenced above.

Using the procedures described in the December 18, 2000 letter from Hal Simpson to you, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following options are presented for the disposition of the portion of the transfer allocated to return flow and return flow transit loss.

Option 1: Using the tables attached at Enclosure 2, the monthly release of return flow water will be determined using the return flow quantities shown in Table 3 and the actual transit loss computed to deliver the Table 3 quantities to their respective river reaches. Table 4 projects the quantities of these monthly releases using the upper limit values for transit loss computed using the "Livingston Formula" as described in paragraph 8 of the Resolution. Using this option, it is projected that 53.25 acre-feet will be released during the next 12 months to deliver 45 acre-feet of usable return flows to the required river reaches. It is proposed that Mark Rude notify me each month to designate when the release for that month should be made and to specify the transit losses that have been computed using the "Livingston Formula" for the designated release day. If this notification is not received by the end of each month, the monthly projected quantities from Table 4 will be placed in the Kansas Consumable Water subaccount of the Offset Account, satisfying the requirement for the delivery of that month's return flow water. Return flows needed to satisfy instate calls by Colorado ditches will be computed based on the percentage of each month that a call is actually placed on the river. The appropriate quantities from Table 2 will be added to the appropriate amount of transit loss and released to the river on the last day of the month, if required.

Option 2: Using the simplified procedure proposed in the December 18, 2000 letter referenced above, for the X-Y Graham Article II water 36.9% or approximately 53.8 acre-feet will be moved from the Return Flow subaccount and Return Flow Transit Loss subaccount of the Offset Account to either the Kansas Consumable Water subaccount or the Kansas Section II account to cover usable return flows, evaporation and transit loss for the return flows resulting from the transfer of Article II water described in this letter. The remaining 4% or approximately 5.8 acre-feet of the transferred water will be placed in the Section II accounts of the Buffalo Canal and the X-Y Canal to replace return flows during the period when these ditches would have placed a call on the river based on historical calls.

The following information is provided in accordance with paragraph 3 of the Resolution.

Source of Water Transferred: LAWMA XY-Graham Article II Account.

Time Associated With Transfer

Transfer Made At: 2400 hours, March 31, 2005

Extent Water is Fully Consumable:

LAWMA XY-Graham Article II Account water is 65.7% consumable.

Return Flow Information

Quantity: 45 acre-feet

Timing: See previous paragraph.

Location: Return Flow subaccount.

Please provide your instructions for the disposition of the water being delivered as Storage Charge Water.

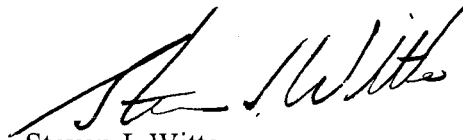
- Release to River
- Transfer to Kansas Article II Account
- Retain in Offset Account

Please provide your instructions for the disposition of the water being delivered as Return Flow water and Return Flow Transit Loss water.

- Use Option 1.
- Use Option 2 (  to Kansas Consumable Water subaccount or  to Kansas Section II account).

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

2 Enclosures

cc: Kevin Salter  
John Draper  
Dale Book  
Hal Simpson  
Dennis Montgomery  
Carol Angel  
Don Higbee  
Jim Slattery  
Dale Straw  
Joe Flory  
Bill Tyner  
Mark Rude



**Enclosure 1**

**John Martin Reservoir Accounting for April 26, 2004**

John Martin Daily Report

3/31/2005

Acct	Date	PrevBal	Inflow	TIn	TOut	Rel.	Evap	Balance
<b>Storage</b>								
City								
City/LAMAR	3/31/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
Summer Compact	3/31/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact	3/31/2005	23,645.96	541.00	0.00	0.00	0.00	17.93	24,169.03
Other Water								
Winter Water	3/31/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
Permanent Pool	3/31/2005	1,745.56	0.00	0.00	0.00	0.00	1.32	1,744.24
Flood Pool	3/31/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage	Totals:	25,391.52	541.00	0.00	0.00	0.00	19.25	25,913.27

**Agreement**

InterState								
Kansas Kansas	3/31/2005	9,072.42	0.00	0.00	0.00	0.00	6.85	9,065.57
Transit Loss	3/31/2005	1,680.90	0.00	0.00	0.00	0.00	1.27	1,679.63
Article III								
Amity	3/31/2005	8,182.09	0.00	0.00	0.00	0.00	6.18	8,175.91
Ft Lyon	3/31/2005	4,608.87	0.00	0.00	0.00	0.00	3.48	4,605.39
Las Animas	3/31/2005	1,959.31	0.00	0.00	0.00	0.00	1.48	1,957.83
CO Art II								
Prev Winter Stored Keesee	3/31/2005	85.22	0.00	0.00	0.00	0.00	0.06	85.16
Prev Winter Stored Ft Bent	3/31/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Amity	3/31/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Lamar	3/31/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Hyde	3/31/2005	48.10	0.00	0.00	0.00	0.00	0.04	48.06
Prev Winter Stored X-Y	3/31/2005	188.96	0.00	0.00	0.00	0.00	0.14	188.82
Prev Winter Stored Buffalo	3/31/2005	279.77	0.00	0.00	0.00	0.00	0.21	279.56
Prev Winter Stored Sisson	3/31/2005	32.09	0.00	0.00	0.00	0.00	0.02	32.07
Prev Winter Stored Stubbs	3/31/2005	12.48	0.00	0.00	0.00	0.00	0.01	12.47
Prev Winter Stored Manvel Consu	3/31/2005	2.18	0.00	0.00	0.00	0.00	0.00	2.18
Prev Winter Stored Manvel Return	3/31/2005	20.95	0.00	0.00	0.00	0.00	0.02	20.93
CO Art II								
Cmnt Winter Stored Keesee	3/31/2005	109.11	0.00	0.00	0.00	0.00	0.08	109.03
Cmnt Winter Stored Ft Bent	3/31/2005	469.84	0.00	0.00	0.00	0.00	0.35	469.49
Cmnt Winter Stored Amity	3/31/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmnt Winter Stored Lamar	3/31/2005	939.91	0.00	0.00	0.00	0.00	0.71	939.20
Cmnt Winter Stored Hyde	3/31/2005	61.56	0.00	0.00	0.00	0.00	0.05	61.51
Cmnt Winter Stored X-Y	3/31/2005	242.11	0.00	0.00	0.00	0.00	0.18	241.93
Cmnt Winter Stored Buffalo	3/31/2005	403.44	0.00	0.00	0.00	0.00	0.30	403.14
Cmnt Winter Stored Sisson	3/31/2005	41.25	0.00	0.00	0.00	0.00	0.03	41.22
Cmnt Winter Stored Stubbs	3/31/2005	16.10	0.00	0.00	0.00	0.00	0.01	16.09
Cmnt Winter Stored Manvel Consu	3/31/2005	56.98	0.00	0.00	0.00	0.00	0.04	56.94
Cmnt Winter Stored Manvel Return	3/31/2005	56.98	0.00	0.00	0.00	0.00	0.04	56.94
CO Art II								
Summer Stored Keesee	3/31/2005	109.11	0.00	0.00	0.00	0.00	0.08	109.03
Summer Stored Ft Bent	3/31/2005	469.84	0.00	0.00	0.00	0.00	0.35	469.49
Summer Stored Amity	3/31/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Lamar	3/31/2005	939.91	0.00	0.00	0.00	0.00	0.71	939.20
Summer Stored Hyde	3/31/2005	198.65	0.00	0.00	0.00	0.00	0.15	198.50
Summer Stored X-Y	3/31/2005	242.11	0.00	0.00	145.78	0.00	0.18	96.15
Summer Stored Buffalo	3/31/2005	403.44	0.00	0.00	0.00	0.00	0.30	403.14
Summer Stored Sisson	3/31/2005	157.75	0.00	0.00	0.00	0.00	0.12	157.63
Summer Stored Stubbs	3/31/2005	42.22	0.00	0.00	0.00	0.00	0.03	42.19
Summer Stored Manvel Consumabl	3/31/2005	168.61	0.00	0.00	0.00	0.00	0.13	168.48
Summer Stored Manvel Return Flo	3/31/2005	168.61	0.00	0.00	0.00	0.00	0.13	168.48
Agreement	Totals:	31,470.84	0.00	0.00	145.78	0.00	23.73	31,301.33

**OffsetAccount**

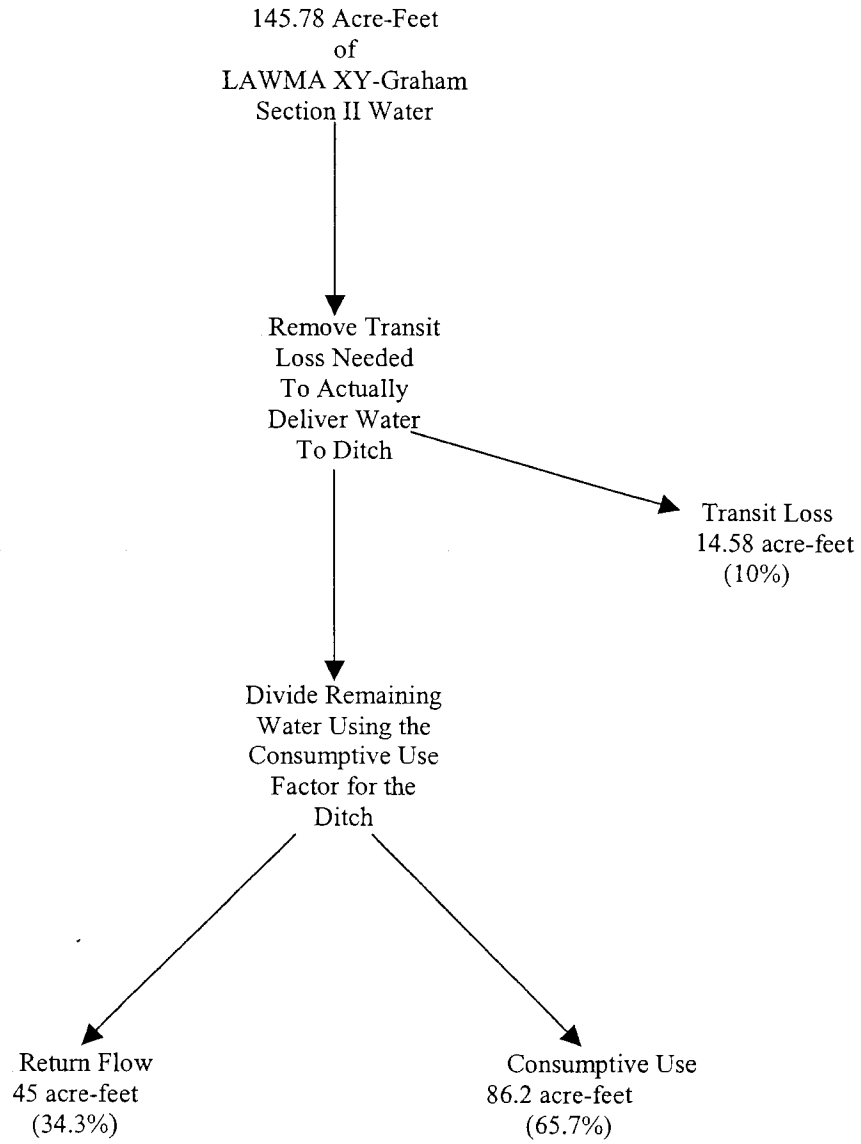
Consumable								
Upstream	3/31/2005	628.54	0.00	0.00	0.00	0.00	0.47	628.07
Downstream	3/31/2005	6,411.96	0.00	0.00	0.81	0.00	4.84	6,406.31
Kansas	3/31/2005	334.88	0.00	4.92	0.00	0.00	0.25	339.55
Kansas Charge	3/31/2005	414.11	0.00	86.20	0.00	0.00	0.31	500.00
ReturnFlow								
Return Flow	3/31/2005	137.71	0.00	45.00	4.29	0.00	0.10	178.32
RF Transit Loss	3/31/2005	43.68	0.00	14.58	0.63	0.00	0.03	57.60
Keesee Winter	3/31/2005	32.76	0.00	0.81	0.00	15.00	0.02	18.55
OffsetAccount	Totals:	8,003.64	0.00	151.51	5.73	15.00	6.02	8,128.40

Reservoir	Totals:	64,866.00	541.00	151.51	151.51	15.00	49.00	65,343.00
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**Colorado Article II Summary**

Keesee	3/31/2005	303.44	0.00	0.00	0.00	0.00	0.22	303.22
Ft Bent	3/31/2005	939.67	0.00	0.00	0.00	0.00	0.70	938.97
Amity	3/31/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lamar	3/31/2005	1,879.82	0.00	0.00	0.00	0.00	1.42	1,878.40
Hyde	3/31/2005	308.31	0.00	0.00	0.00	0.00	0.24	308.07
X-Y	3/31/2005	673.18	0.00	0.00	145.78	0.00	0.50	526.90
Buffalo	3/31/2005	1,086.65	0.00	0.00	0.00	0.00	0.81	1,085.84
Sisson	3/31/2005	231.10	0.00	0.00	0.00	0.00	0.17	230.93
Stubbs	3/31/2005	70.79	0.00	0.00	0.00	0.00	0.05	70.74
Manvel	3/31/2005	474.30	0.00	0.00	0.00	0.00	0.36	473.94
Colorado Article II	Totals:	5,967.26	0.00	0.00	145.78	0.00	4.47	5,817.01

The tables discussed in the body of the letter are attached.



Enclosure 2

**Table 1****Average Monthly Response (%)**

<b>Month</b>	<b>Reach 14</b>	<b>Reach 15</b>	<b>Reach 16</b>	<b>Reach 17</b>	<b>Reach 18</b>
Jan	0.0001	0.1596	1.2997	2.913	0.168
Feb	0.0001	0.1509	1.1363	2.5081	0.1481
Mar	0.0001	0.1431	1.0132	2.1849	0.1308
Apr	0.0001	0.1281	2.6606	5.4907	0.1069
May	0.0001	0.1314	3.6645	7.1968	0.1117
Jun	0.0001	0.1545	4.1593	8.2105	0.1495
Jul	0.0002	0.1697	4.4749	8.931	0.1815
Aug	0.0002	0.1851	3.8252	7.6986	0.2129
Sep	0.0002	0.1923	3.0152	6.2846	0.2296
Oct	0.0002	0.1847	2.5966	5.5659	0.2211
Nov	0.0002	0.1781	1.943	4.2367	0.2081
Dec	0.0001	0.1706	1.5349	3.4468	0.1911
<b>Total</b>	0.0017	1.9481	31.3234	64.6676	2.0593

**Table 2****Return Flow Distribution for 45 Acre-Feet**

<b>Month</b>	<b>Reach 14</b>	<b>Reach 15</b>	<b>Reach 16</b>	<b>Reach 17</b>	<b>Reach 18</b>
Jan	0.000	0.072	0.585	1.311	0.076
Feb	0.000	0.068	0.511	1.129	0.067
Mar	0.000	0.064	0.456	0.983	0.059
Apr	0.000	0.058	1.197	2.471	0.048
May	0.000	0.059	1.649	3.239	0.050
Jun	0.000	0.070	1.872	3.695	0.067
Jul	0.000	0.076	2.014	4.019	0.082
Aug	0.000	0.083	1.721	3.465	0.096
Sep	0.000	0.087	1.357	2.828	0.103
Oct	0.000	0.083	1.169	2.505	0.100
Nov	0.000	0.080	0.874	1.907	0.094
Dec	0.000	0.077	0.691	1.551	0.086
<b>Total</b>	0.001	0.877	14.096	29.102	0.927

**Table 3****Return Flows With Usability Factors Applied**

<b>Month</b>	<b>Reach 14</b>	<b>Reach 15</b>	<b>Reach 16</b>	<b>Reach 17</b>	<b>Reach 18</b>
Jan	0.000	0.025	0.204	0.458	0.026
Feb	0.000	0.024	0.178	0.394	0.023
Mar	0.000	0.022	0.159	0.343	0.021
Apr	0.000	0.047	0.981	2.024	0.039
May	0.000	0.048	1.351	2.653	0.041
Jun	0.000	0.057	1.533	3.026	0.055
Jul	0.000	0.063	1.649	3.292	0.067
Aug	0.000	0.068	1.410	2.837	0.078
Sep	0.000	0.071	1.111	2.316	0.085
Oct	0.000	0.068	0.957	2.051	0.081
Nov	0.000	0.028	0.305	0.665	0.033
Dec	0.000	0.027	0.241	0.541	0.030
<b>Total</b>	0.000	0.548	10.080	20.601	0.580

**Table 4****Projected Releases From Offset Account**

<b>Month</b>	<b>Transit Loss (%)</b>					
	<b>12%</b>	<b>14%</b>	<b>16%</b>	<b>18%</b>	<b>20%</b>	
<b>Reach 14</b>	<b>Reach 15</b>	<b>Reach 16</b>	<b>Reach 17</b>	<b>Reach 18</b>		
Jan	0.000	0.029	0.243	0.558	0.033	
Feb	0.000	0.028	0.212	0.480	0.029	
Mar	0.000	0.026	0.189	0.418	0.026	
Apr	0.000	0.055	1.167	2.468	0.049	
May	0.000	0.056	1.608	3.235	0.051	
Jun	0.000	0.066	1.825	3.690	0.069	
Jul	0.000	0.073	1.963	4.014	0.084	
Aug	0.000	0.079	1.678	3.460	0.098	
Sep	0.000	0.082	1.323	2.825	0.106	
Oct	0.000	0.079	1.139	2.502	0.102	
Nov	0.000	0.033	0.363	0.811	0.041	
Dec	0.000	0.031	0.287	0.660	0.038	
<b>Total</b>	0.001	0.638	12.000	25.123	0.725	

## **SECTION 3**

**May 2005**

# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>



Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

May 3, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Transfer to the Offset Account in John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of a transfer of water to the Offset Account.

The Lower Arkansas Water Management Association (LAWMA), Colorado Water Protective & Development Association (CWPD), Arkansas Groundwater Users Association (AGUA), Fort Lyon Well Users Association (FLWUA) as well as the smaller plan associations (FNMC and McComber) transferred **2000 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water and Colorado Upstream Consumable Water subaccounts of the Offset Account. These associations were assigned fully consumable native water leased by the Lower Arkansas Valley Water Conservancy District from Pueblo Board of Water Works. The Pueblo Board of Water Works fully consumable water was contract exchanged for Fort Lyon Section III water in John Martin Reservoir and immediately transferred into the Offset Account. The Fort Lyon Canal Company will take delivery of 2000 acre-feet of water stored in the Lake Meredith Reservoir system to the Fort Lyon headgate fully maintaining the historical return flow pattern of the Section III water. The transfer from the Section III account was made at 2400 hours on March 22, 2005. A copy of the daily accounting for March 22, 2005 is included at Enclosure 1.

The lease between Pueblo Board of Water Works and Lower Arkansas Valley Water Conservancy District (LAVWCD) for the fully consumable water is included at Enclosure 2. The source of the water booked into the Offset Account was fully consumable water from Colorado Springs Utilities and Aurora via a contract exchange with Pueblo Board of Water Works as described in the agreement in Enclosure 3. The Fort Lyon Canal Company has arranged to divert the water delivered by LAVWCD on behalf of the above well user groups in exchange for water in its Section III account in John Martin Reservoir. Under the terms of the agreement, Fort Lyon Canal Company allowed 2000 acre-feet of Section III water to be transferred as fully consumable and will take delivery of the fully consumable water from Lake Meredith during the irrigation season at their headgate as if it were not fully consumable. The agreement between LAVWCD and Fort Lyon Canal Company and the agreement between LAVWCD and the well users groups is shown at Enclosure 4.

David Pope  
May 3, 2005

The following information is provided in accordance with paragraph 3 of the Resolution.

Source of Water Delivered: Fully Consumable Water from Colorado Springs Utilities and Aurora derived from decreed Arkansas River consumable sources

Time Associated With Transfer

Transfer Made At: 2400 hours, 22 March 2005

Flow Rates Associated With Delivery (See Enclosure 1)

Extent Water is Fully Consumable:

Fully consumable water provided to well user associations listed above.

Return Flow Information

Quantity: Not Applicable

Timing: Not Applicable

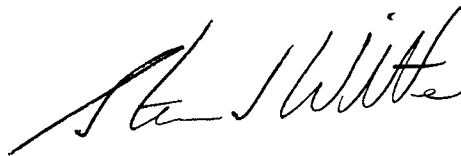
Location: Not Applicable

The delivery of 2,000 acre-feet of consumable water caused the total delivery for the 2004-05 Plan year to exceed 10,000 acre-feet as shown in the table at Enclosure 5. As shown in the spreadsheet an additional 37.8 acre-feet (less subsequent evaporation loss) was transferred to the Kansas Charge account at 24:00 hours on April 29, 2005 to provide the 5% storage charge for deliveries above 10,000 acre-feet.

As indicated above, the delivery of 2,000 acre-feet (less the computed storage charge) of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. This water has been made available to offset depletions to usable stateline flow calculated from H-I model update runs for 1997 through 2004. Under those provisions, the balance of the 2,000 acre-feet will be moved from the Colorado Consumable Water subaccount to the Kansas Consumable Water subaccount of the Offset Account 30 days after the date of this notification letter in order that evaporation be charged as provided for by paragraph 5B of the Resolution.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

5 Enclosures

cc: Mark Rude    Kevin Salter    John Draper    Dale Book    Hal Simpson  
Dennis Montgomery    Don Higbee    Jim Slattery    Dale Straw    Monique Morey  
Bill Tyner



**Enclosure 1**

**John Martin Reservoir Accounting for March 22, 2005**

## John Martin Daily Report

3/22/2005

Acct	Date	PrevBal	Inflow	TIn	TOut	Rel.	Evap	Balance
<b>Storage</b>								
City								
City/LAMAR	3/22/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
Summer Compact	3/22/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact	3/22/2005	22,106.48	88.00	0.00	0.00	0.00	16.72	22,177.76
Other Water								
Winter Water	3/22/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
Permanent Pool	3/22/2005	1,757.37	0.00	0.00	0.00	0.00	1.33	1,756.04
Flood Pool	3/22/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage	Totals:	23,863.85	88.00	0.00	0.00	0.00	18.05	23,933.80
<b>Agreement</b>								
InterState								
Kansas Kansas	3/22/2005	9,133.75	0.00	0.00	0.00	0.00	6.89	9,126.86
Transit Loss	3/22/2005	1,692.27	0.00	0.00	0.00	0.00	1.28	1,690.99
Article III								
Amity	3/22/2005	8,237.41	0.00	0.00	0.00	0.00	6.22	8,231.19
Ft. Lyon	3/22/2005	6,641.54	0.00	0.00	2,000.00	0.00	5.01	4,636.53
Las Animas	3/22/2005	1,972.56	0.00	0.00	0.00	0.00	1.49	1,971.07
CO Art II								
Prev Winter Stored Keesee	3/22/2005	85.76	0.00	0.00	0.00	0.00	0.06	85.70
Prev Winter Stored Ft Bent	3/22/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Amity	3/22/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Lamar	3/22/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Hyde	3/22/2005	48.46	0.00	0.00	0.00	0.00	0.04	48.42
Prev Winter Stored X-Y	3/22/2005	190.22	0.00	0.00	0.00	0.00	0.14	190.08
Prev Winter Stored Buffalo	3/22/2005	281.66	0.00	0.00	0.00	0.00	0.21	281.45
Prev Winter Stored Sisson	3/22/2005	32.27	0.00	0.00	0.00	0.00	0.02	32.25
Prev Winter Stored Stubbs	3/22/2005	12.57	0.00	0.00	0.00	0.00	0.01	12.56
Prev Winter Stored Manvel Consu	3/22/2005	2.18	0.00	0.00	0.00	0.00	0.00	2.18
Prev Winter Stored Manvel Return	3/22/2005	21.13	0.00	0.00	0.00	0.00	0.02	21.11
CO Art II								
Crnt Winter Stored Keesee	3/22/2005	109.83	0.00	0.00	0.00	0.00	0.08	109.75
Crnt Winter Stored Ft Bent	3/22/2005	473.02	0.00	0.00	0.00	0.00	0.36	472.66
Crnt Winter Stored Amity	3/22/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crnt Winter Stored Lamar	3/22/2005	946.26	0.00	0.00	0.00	0.00	0.71	945.55
Crnt Winter Stored Hyde	3/22/2005	62.01	0.00	0.00	0.00	0.00	0.05	61.96
Crnt Winter Stored X-Y	3/22/2005	243.73	0.00	0.00	0.00	0.00	0.18	243.55
Crnt Winter Stored Buffalo	3/22/2005	406.16	0.00	0.00	0.00	0.00	0.31	405.85
Crnt Winter Stored Sisson	3/22/2005	41.52	0.00	0.00	0.00	0.00	0.03	41.49
Crnt Winter Stored Stubbs	3/22/2005	16.19	0.00	0.00	0.00	0.00	0.01	16.18
Crnt Winter Stored Manvel Consu	3/22/2005	57.34	0.00	0.00	0.00	0.00	0.04	57.30
Crnt Winter Stored Manvel Return	3/22/2005	57.34	0.00	0.00	0.00	0.00	0.04	57.30
CO Art II								
Summer Stored Keesee	3/22/2005	109.83	0.00	0.00	0.00	0.00	0.08	109.75
Summer Stored Ft Bent	3/22/2005	473.02	0.00	0.00	0.00	0.00	0.36	472.66
Summer Stored Amity	3/22/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Lamar	3/22/2005	946.26	0.00	0.00	0.00	0.00	0.71	945.55
Summer Stored Hyde	3/22/2005	200.00	0.00	0.00	0.00	0.00	0.15	199.85
Summer Stored X-Y	3/22/2005	243.73	0.00	0.00	0.00	0.00	0.18	243.55
Summer Stored Buffalo	3/22/2005	406.16	0.00	0.00	0.00	0.00	0.31	405.85
Summer Stored Sisson	3/22/2005	158.83	0.00	0.00	0.00	0.00	0.12	158.71
Summer Stored Stubbs	3/22/2005	42.49	0.00	0.00	0.00	0.00	0.03	42.46
Summer Stored Manvel Consumabl	3/22/2005	169.78	0.00	0.00	0.00	0.00	0.13	169.65
Summer Stored Manvel Return Flo	3/22/2005	169.78	0.00	0.00	0.00	0.00	0.13	169.65
Agreement	Totals:	33,685.03	0.00	0.00	2,000.00	0.00	25.40	31,659.63
<b>OffsetAccount</b>								
Consumable								
Upstream	3/22/2005	0.00	0.00	632.32	0.00	0.00	0.00	632.32
Downstream	3/22/2005	5,086.59	0.00	1,367.68	0.00	0.00	3.84	6,450.43
Kansas	3/22/2005	337.13	0.00	0.00	0.00	0.00	0.25	336.88
Kansas Charge	3/22/2005	416.90	0.00	0.00	0.00	0.00	0.31	416.59
ReturnFlow								
Return Flow	3/22/2005	138.61	0.00	0.00	0.00	0.00	0.10	138.51
RF Transit Loss	3/22/2005	43.95	0.00	0.00	0.00	0.00	0.03	43.92
Keesee Winter	3/22/2005	32.94	0.00	0.00	0.00	0.00	0.02	32.92
OffsetAccount	Totals:	6,056.12	0.00	2,000.00	0.00	0.00	4.55	8,051.57
Reservoir	Totals:	63,605.00	88.00	2,000.00	2,000.00	0.00	48.00	63,645.00
<b>Colorado Article II Summary</b>								
Keesee	3/22/2005	305.42	0.00	0.00	0.00	0.00	0.22	305.20
Ft Bent	3/22/2005	946.03	0.00	0.00	0.00	0.00	0.72	945.31
Amity	3/22/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lamar	3/22/2005	1,892.52	0.00	0.00	0.00	0.00	1.42	1,891.10
Hyde	3/22/2005	310.47	0.00	0.00	0.00	0.00	0.24	310.23
X-Y	3/22/2005	677.68	0.00	0.00	0.00	0.00	0.50	677.18
Buffalo	3/22/2005	1,093.98	0.00	0.00	0.00	0.00	0.83	1,093.15
Sisson	3/22/2005	232.63	0.00	0.00	0.00	0.00	0.17	232.46
Stubbs	3/22/2005	71.24	0.00	0.00	0.00	0.00	0.05	71.19
Manvel	3/22/2005	477.54	0.00	0.00	0.00	0.00	0.36	477.18
Colorado Article II	Totals:	6,007.51	0.00	0.00	0.00	0.00	4.51	6,003.00

**Enclosure 2**

**Lease between Pueblo Board of Water Works and Lower Arkansas Valley Water  
Conservancy District**

### SHORT-TERM WATER LEASE

This Short-Term Water Lease (the "Lease") is entered into this 16<sup>th</sup> day of March 2005, by and between the Board of Water Works of Pueblo, Colorado (hereinafter called "Board") and the Lower Arkansas Valley Water Conservancy District (hereinafter called "Lessee").

#### RECITALS:

- A. The water use that is the subject of this Lease is a type not normally within any regular rate schedule established by the Board and the parties agree that the terms of lease and delivery of water for the purposes set forth below should be the subject of this special Lease;
- B. Lessee desires to lease raw water from the Board to assist well users in complying with the Arkansas River Compact.
- C. The Board is willing to supply raw water to Lessee for its use for these purposes subject to the terms of this Lease.

In consideration of the foregoing recitals, the mutual promises contained herein, and the payments to be made hereunder, the parties agree as follows:

1. Delivery of Consumable Water. The Board agrees to deliver to Lessee fully consumable Arkansas River water that the Board either owns or will acquire through trades. The water will be delivered to John Martin Reservoir. The Lessee will be responsible for any transit losses or evaporation losses associated with delivering the water to John Martin Reservoir.
2. Term. The term of this Lease shall be from the date of execution of this Agreement through May 31, 2005
3. Delivery of Raw Water. The water to be delivered hereunder is raw, untreated water.
4. Reuse Rights. Once delivered to Lessee, all rights to reuse the water subject to this Agreement shall belong to Lessee and the Board shall have no further reuse rights.
5. Quantity. The Board will deliver to Lessee 2,000 acre-feet of water during the term of this Agreement.
6. Charge. Lessee will pay the Board \$9 per acre-foot for the 2,000 acre-feet of water leased under this Agreement for a total lease price of \$18,000.
7. Payment. Payment for water shall be made by the Lessee upon execution of this Agreement. No water will be delivered until payment is made in full.

8. Pueblo City Charter Provision. This Lease involves the use of water outside the territorial limits of the City of Pueblo and is specifically limited by the provisions of the City Charter governing such use. The Charter provides, among other things, that: "The Board of Water Works shall have and exercise all powers which are granted to Cities of the First Class by the Constitution and laws of the State of Colorado, except the power to levy and collect taxes directly or indirectly. Surplus water may be supplied to territories outside the City until same is needed by the inhabitants of the City."
9. Determination of Water Availability by the Board. The extent to which limitations on water delivery outside the City of Pueblo is, or may be, necessary to enable the Board to provide adequately for users inside the City of Pueblo is a fact to be determined by the Board in the exercise of its reasonable discretion from time to time as the circumstances may require.
10. Interruption of Water Supply Beyond the Board's Control. The Board has determined that the welfare of City of Pueblo requires a stable water supply not only for its inhabitants but also for the other customers of the Board putting to beneficial use the water belonging to the Board. While it is the Board's purpose to maintain a water supply adequate to meet the needs of the metropolitan area logically dependent on the Board for water supply and to permit it to supply other temporary contract customers, there are many elements that make it uncertain whether the water supply can always be adequate for all such users. Both parties to this Lease recognize that the water supply for the Board and its water customers is dependent upon sources from which the supply is variable in quantity and beyond the control of the Board. The Board is not liable in tort or contract under this Lease on account of any failure to accurately anticipate availability of water supply or because of an actual failure to supply water due to inadequate runoff or inadequate storage, or any conditions arising from an occurrence beyond the reasonable control of the Board, including, but not limited to, act of God, strike, war, insurrection, or inability to serve arising out of the order of any court, or the lawful order of any governmental administrative body or agency clothed with authority to regulate matters pertaining to water, public utilities, public health, or pollution control.
11. Emergency Water Shortages. The parties agree that, from time to time, emergency situations may arise where it is necessary for the Board to limit the use of water by extra-territorial contract customers. The parties agree that the necessity for such limitation is a fact to be determined by the Board in the exercise of its reasonable discretion from time to time, as occasion may require. It is hereby agreed that the Board may adopt, in the situation of shortage, such reasonable restrictions on uses or priorities for curtailment of use, as may be necessary to adapt to such emergency conditions or shortage, including reductions in water deliveries under this Lease. Lessee agrees that the Board is not liable in tort or contract under this Lease on the account of the necessity for adopting and implementing such policies to meet emergency conditions or shortage. In the event that the Board is unable to make the deliveries of water to

Lessee specified in this Lease, then Lessee's payment for water shall be reduced or refunded in proportion to any reduction of deliveries by the Board.

12. Prior Agreement Priority of Curtailment. The Board has entered into an agreement with Pueblo Suburban Development, L.L.C., dated May 14, 2003, in which the Board agrees to supply up to 5,500 acre feet per annum of water to Pueblo Suburban Development, L.L.C., for a term commencing twenty-five (25) years beginning January 1, 2004. Pueblo Suburban Development, L.L.C., has an option to extend that agreement for one time for an additional fifteen (15) years. That agreement contains paragraphs 14, 15 and 16, which paragraphs are very similar to paragraphs 9, 10 and 11 of this agreement concerning the right of the Board under certain circumstances to curtail water deliveries to extraterritorial customers of the Board. The agreement between the Board and Pueblo Suburban Development, L.L.C., contains the following provision:

"The Board and Pueblo Suburban acknowledge that the Board may enter into future agreements with extraterritorial customers for the delivery of untreated water by the Board. The Board agrees that during the term of this agreement or any extension thereof that should the Board exercise its rights under paragraphs 14, 15 and 16 of this agreement to curtail water deliveries to extraterritorial customers of the Board that the Board will curtail the extraterritorial raw water supplies under agreements that it may enter into with customers after the date of this agreement before curtailing water supplies to Pueblo Suburban."
13. Limitations Concerning Subsequent Extra-Territorial Water Customers. The Board shall not use the provisions of Paragraphs 9 through 11 to curtail extra-territorial water supplies to Lessee in order to lease water to new extra-territorial water customers of the Board at higher water charges.
14. Not a Permanent Supply. The parties understand and agree that this Lease is not to be interpreted as any commitment on the part of the Board to furnish water to Lessee on a permanent basis, but rather is to assist the Lessee in supplementing Lessee's own water supplies by water leased from the Board for a temporary period.
15. Assignability. This Lease may be assigned by Lessee subject to prior written approval of said assignment by the Board, which approval shall not be unreasonably withheld.
16. Substitute Supply Plans and Augmentation Plans. The Board agrees that the water to be delivered under this Lease may be used in substitute supply plans and augmentation plans, and that it will cooperate with Lessee to provide information regarding its water rights that may be needed to obtain approval of Lessee's temporary substitute supply plans and/or augmentation plans. Lessee will provide any administrative or judicial body acting on its temporary substitute supply plan or augmentation plan a copy of this Lease. All costs for review and/or approval of

any such plans shall be borne by Lessee, and Lessee shall provide a copy of all such approved plans to the Board.

17. Waiver. Unless stated otherwise herein, failure of either party to this Lease to exercise any right hereunder shall not be deemed a waiver of such party's right and shall not affect the right of said party to exercise, at some future time, said right or rights or any other right it may have hereunder. No waiver of any of the provisions of this Lease shall be deemed or shall constitute a waiver of any other provision, whether or not similar, nor shall any waiver constitute a continuing waiver. No waiver shall be binding unless executed in writing by the party making the waiver.
18. No Exclusive Right or Privilege. Nothing in this Lease is to be construed as a grant by the Board of any exclusive right or privilege.
19. Title to Water Rights. Nothing in this Lease is to be interpreted as giving the Lessee any legal or equitable title in or to any of the Board's water or water rights.
20. Remedies. In the event that either party defaults in the performance of any of its obligations under this Lease, each party shall have all remedies provided in this Lease or by law or equity, but neither party shall have the right of specific performance against the other. In the event of litigation, the prevailing party shall be entitled to its litigation costs, including reasonable attorney's fees.
21. Default, Right to Cure. In the event that either party believes that the other is in default of any obligation under this Lease, the non-defaulting party shall promptly give written notice of the default to the defaulting party. If a notice of default is provided, the party accused of the default shall either cure it or provide a written statement explaining why it is not in default. If the alleged default is not cured or otherwise resolved within thirty (30) days, the parties may resort to their remedies.
22. Right to Enter Lease. Each party hereby warrants and represents that it has the full right and lawful authority to enter into this Lease.
23. Governing Law. This Lease shall be governed by the laws of the State of Colorado in all respects.
24. Headings. The headings used to designate the various sections of this Lease are solely for the convenience of reference and shall not be construed to define or limit any of the terms or provisions hereof.
25. No Third Party Beneficiaries. Except as expressly provided otherwise, this Lease is intended to be solely for the benefit of the parties and their respective successors and permitted

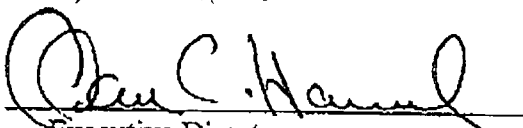
assigns, and this Lease shall not otherwise be deemed to confer upon or give to any other person or third party any remedy, claim, cause of action or other right.

26. Entire Agreement Modification. This Lease constitutes the entire agreement between the parties pertaining to the subject matter described in it and supersedes any and all prior contemporaneous agreements, representations, and understandings. No supplement, modification, or amendment of this Lease shall be binding unless executed in writing by all parties.

IN WITNESS WHEREOF, the Board and Lessee have executed this Lease on their respective behalf and by their proper officers.

**BOARD OF WATER WORKS OF  
PUEBLO, COLORADO**

**LOWER ARKANSAS VALLEY WATER  
CONSERVANCY DISTRICT**

By:   
Executive Director

By: 



**Enclosure 3**

**Information on Source of Water from PBWW and Lake Meredith**

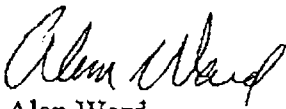
TO WHOM IT MAY CONCERN:

On March 22, 2005, at 24:00 hours, 2,000 acre-feet of Winter Water stored in John Martin by Fort Lyon Canal will be transferred to Lake Meredith. At the same time, the Offset Account at John Martin will receive a like amount of Arkansas River Fully Consumable water from Lake Meredith.

Linda/Becky, Please transfer 530 af from PBWW to Colorado Springs, and 1470 af from PBWW to Aurora, at the date and time listed above, all at Turquoise Reservoir.

Thanks,  
Allen

I concur.



Alan Ward  
Water Resources Specialist  
Board of Water Works of Pueblo

**Enclosure 4**

**Agreement between LAVWCD and Fort Lyon Canal Company**  
**Agreement between LAVWCD and Well Users Groups**

RECEIVED

APR 19 2005

DIVISION ENGINEER  
PUEBLO, COLORADO

Manny Torrez  
Fort Lyon Canal Company  
750 Bent Avenue  
Las Animas, CO 81054

Re: Agreement between Lower Arkansas Valley Water Conservancy District  
and the Fort Lyon Canal Company

Dear Sir;

This letter confirms the contractual agreement between Lower Arkansas Valley Water Conservancy District (the District) and the Fort Lyon Canal Company (Fort Lyon). The purpose of this arrangement is to affect an exchange of water described as follows:

1. The District acquired 2000 acre-feet of fully-consumable "East-Slope" water stored in Lake Meredith through a lease from the Pueblo Board of Water Works executed on March 16, 2005.
2. The District booked-over the 2000 acre-feet of fully-consumable "East-Slope" water in Lake Meredith to Fort Lyon and, in exchange, Fort Lyon booked-over 2000 acre-feet of water in its Section III account in John Martin Reservoir to the District. The result of this transaction was that an additional 2000 acre-feet of native water that had been stored in the Fort Lyon Section III account was made to reside in Lake Meredith and 2000 acre-feet of fully-consumable "East-Slope" water was caused to reside in John Martin Reservoir.
3. The District assigned the 2000 acre-feet of fully-consumable "East-Slope" water transferred to John Martin Reservoir to various well owners represented by well associations for delivery into the Offset account.
4. The transactions set forth in paragraphs 1 through 3, above, occurred simultaneously on March 22, 2005 at 2400 hours.

If the terms of this contractual arrangement are acceptable to Fort Lyon, please signify this in the place specified below. I have included two (2) originals; please have one executed original returned to me.


Sincerely,



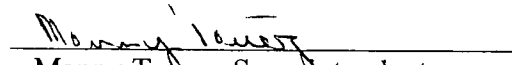
Mr. Jay Winner  
Lower Ark. Valley. Water Cons. Dist.

Enclosures

The foregoing terms and conditions of the contractual arrangement specified herein are agreed to by Lower Arkansas Valley Water Conservancy District by Jay Winner, General Manager.

  
Jay Winner, General Manager

The foregoing terms and conditions of the contractual arrangement specified herein are agreed to by the Fort Lyon Canal Company by Manny Torrez, Superintendent.

  
Manny Torrez, Superintendent

## Assignment


**Whereas**, the Lower Arkansas Valley Water Conservancy District (District) was formed to acquire, retain, and conserve native water flowing in the Arkansas River and its tributaries; to insure that such water remain in the valley for the socio-economic benefit of the citizens of Pueblo, Otero, Crowley, Bent and Prowers Counties; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley, and;

**Whereas**, the District, acting through it's Board of Directors on February 9, 2005, committed to lease as much fully consumable native water from the Pueblo Board of Water Works (PBWW) as PBWW will agree to lease to the District in 2005 for the purpose of reducing the apparent unreplaced depletion to usable Stateline flows that has occurred as a result of post-Compact well pumping by irrigation well owners within the District during the period 1997-2004, and;

**Whereas**, the District has leased 2000 acre-feet of such water from PBWW, pursuant to a lease agreement dated March 16, 2005, and;

**Whereas**, said quantity of water has been delivered into the Offset Account in John Martin Reservoir in order to accomplish the aforesaid purpose through an exchange;

**Now, therefore**, this document shall attest that the District has assigned said quantity of water to the well associations / owners named hereafter, and the well association representatives or well owners, by their signatures below agree that said water should be apportioned among their associations / individual wells in proportion to their respective contributions to the accumulated unreplaced depletions to usable Stateline flow as determined by the State and Division Engineers.

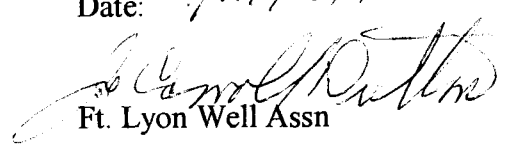
  
Lower Arkansas Valley Water Cons. Dist.

*C. R. Ewas*  
Arkansas Ground Water Users Assn.

x *Dick W. Beck*  
Colorado Water Protective and Dev. Assn.

Lower Arkansas Water Management Assn.

Date: 4/27/2005

  
Ft. Lyon Well Assn

x *Tom F. Fiske*  
FNMC Well Assn.

x *Sylvia McComber*  
Sylvia McComber

**Assignment**

**Whereas, the Lower Arkansas Valley Water Conservancy District (District) was formed to acquire, retain, and conserve native water flowing in the Arkansas River and its tributaries; to insure that such water remain in the valley for the socio-economic benefit of the citizens of Pueblo, Otero, Crowley, Bent and Prowers Counties; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley, and;**

**Whereas, the District, acting through it's Board of Directors on February 9, 2005, committed to lease as much fully consumable native water from the Pueblo Board of Water Works (PBWW) as PBWW will agree to lease to the District in 2005 for the purpose of reducing the apparent unreplaced depletion to usable Stateline flows that has occurred as a result of post-Compact well pumping by irrigation well owners within the District during the period 1997-2004, and;**

**Whereas, the District has leased 2000 acre-feet of such water from PBWW, pursuant to a lease agreement dated March 16, 2005, and;**

**Whereas, said quantity of water has been delivered into the Offset Account in John Martin Reservoir in order to accomplish the aforesaid purpose through an exchange;**

**Now, therefore, this document shall attest that the District has assigned said quantity of water to the well associations / owners named hereafter, and the well association representatives or well owners, by their signatures below agree that said water should be apportioned among their associations / individual wells in proportion to their respective contributions to the accumulated unreplaced depletions to usable Stateline flow as determined by the State and Division Engineers.**

Lower Arkansas Valley Water Cons. Dist.

Date:

Arkansas Ground Water Users Assn.

Ft. Lyon Well Assn

Colorado Water Protective and Dev. Assn.

FNMC Well Assn.

Lower Arkansas Water Management Assn.

Sylvia McComber

*Donald J. Higley, Sec/Treas*

**Enclosure 5**

**Tabulation of Offset Account Deliveries During Plan Year 2004-05**



# JOHN MARTIN RESERVOIR

## OFFSET ACCOUNT SUMMARY FOR 2004-05 PLAN YEAR

WATER YEAR 2004	CONTENTS BEGINNING OF	PHYSICAL INFLOW	ACCOUNT TRANSFER-IN	EVAPORATION	ACCOUNT TRANSFER-OUT	PHYSICAL RELEASE*	CONTENTS END OF
MONTH	MONTH A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
APRIL	4017.67	794.25	721.85	31.75	236.77	4439.96	825.29
MAY	825.29	1400.19	220.67	214.35	220.67	0.00	2011.13
JUNE	2011.13	1001.10	204.63	305.87	204.63	0.00	2706.36
JULY	2706.36	1521.74	231.30	454.28	46.26	0.00	3958.85
AUGUST	3958.85	2023.47	709.57	482.60	34.57	0.00	6174.72
SEPTEMBER	6174.72	809.34	88.64	416.75	88.64	0.00	6567.31
OCTOBER	6567.31	159.22	31.54	237.65	31.54	0.00	6488.88
NOVEMBER	6488.88	8.37	58.38	118.91	10.86	0.00	6425.86
DECEMBER	6425.86	0.00	7.88	60.06	7.88	0.00	6365.80
JANUARY	6365.80	0.00	6.10	33.37	6.10	88.00	6244.43
FEBRUARY	6244.43	0.00	5.20	89.97	5.20	0.00	6154.46
MARCH	6154.46	0.00	2151.51	156.84	5.73	15.00	8128.40
TOTALS		7717.68	4437.27	2602.40	898.85	4542.96	

\* Note: Physical releases for Keesee Ditch winter return flows in January and March

Total account storage amount:	10756.10
Additional storage charge:	37.80
Total account storage is computed as Physical Inflows plus Transfers-In less Transfers-Out less the 500 af storage charge for delivery of up to 10,000 af	



# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>



May 6, 2005

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

Dear Mike,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer approximately **423.31 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer was made at 2400 hrs, May 1, 2005. On behalf of LAWMA, 679.71 acre-feet of water was transferred from LAWMA's Keesee Section II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 679.71 acre-feet was made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	432.31 acre-feet
Return Flow/Transit Loss Subaccount	247.40 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer

**Tyner, Bill**

**From:** Tyner, Bill  
**Sent:** Friday, May 06, 2005 5:25 PM  
**To:** Michael Meyer (mmeyer@kda.state.ks.us)  
**Cc:** David Pope (David Pope); Witte, Steve; Flory, Joe; Morey, Monique; Kevin Salter(KSALTER@KDA.STATE.KS.US); Jim Slattery (JSlattery@helton-williamsen.com); Don Higbee (Don Higbee, Lower Arkansas Water Management Association); Dennis Montgomery (dennismontgomery@hillandrobbsins.com)  
**Subject:** Delivery to Offset Account for LAWMA

May 6, 2005

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer approximately **423.31 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer was made at 2400 hrs, May 1, 2005. On behalf of LAWMA, 679.71 acre-feet of water was transferred from LAWMA's Keesee Section II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 679.71 acre-feet was made in the Offset Account.

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Return Flow/Transit Loss Subaccount	247.40 acre-feet

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Bill W. Tyner  
Assistant Division Engineer

5/7/2005



# STATE OF COLORADO

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<http://water.state.co.us/default.htm>



May 7, 2005

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) will deliver fully consumable water associated with the Keecee Ditch water right to the Offset Account per the provisions of Paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). The delivery throughout 2005 is expected to total approximately 3,522 acre-feet to be used for well augmentation and replacement of winter return flows.

Colorado Downstream Consumable Water Subaccount	Approximately 3,522 acre-feet
Return Flow Subaccount	3.75% of consumable water for winter return flows
Return Flow Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account at the conclusion of the 2005 irrigation season.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

**Tyner, Bill**

**From:** Tyner, Bill  
**Sent:** Saturday, May 07, 2005 1:40 PM  
**To:** Michael Meyer (mmeyer@kda.state.ks.us)  
**Cc:** David Pope (David Pope); Witte, Steve; Flory, Joe; Morey, Monique; Kevin Salter(KSALTER@KDA.STATE.KS.US); Jim Slattery (JSlattery@helton-williamsen.com); Don Higbee (Don Higbee, Lower Arkansas Water Management Association); Dennis Montgomery (dennismontgomery@hillandrobbsins.com)  
**Subject:** Delivery to Offset Account for LAWMA

**May 7, 2005**

Michael Meyer  
 Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) will deliver fully consumable water associated with the Keesee Ditch water right to the Offset Account per the provisions of Paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). The delivery throughout 2005 is expected to total approximately 3,522 acre-feet to be used for well augmentation and replacement of winter return flows.

Colorado Downstream Consumable Water Subaccount	Approximately 3,522 acre-feet
Return Flow Subaccount	3.75% of consumable water for winter return flows
Return Flow Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account at the conclusion of the 2005 irrigation season.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
 Assistant Division Engineer





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<http://water.state.co.us/default.htm>



May 7, 2005

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) will deliver fully consumable water associated with the Highland Canal water right to the Offset Account per the procedure outlined most recently in the November 21, 2004 summary of Highland Canal Operations. The delivery throughout 2005 is expected to total approximately 4,748 acre-feet to be used for well augmentation.

Colorado Downstream Consumable Water Subaccount	Approximately 4,748 acre-feet
Return Flow Subaccount	N/A
Return Flow Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account at the conclusion of the 2005 irrigation season.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

**Tyner, Bill**

**From:** Tyner, Bill  
**Sent:** Saturday, May 07, 2005 1:56 PM  
**To:** Michael Meyer (mmeyer@kda.state.ks.us)  
**Cc:** David Pope (David Pope); Witte, Steve; Flory, Joe; Morey, Monique; Kevin Salter(KSALTER@KDA.STATE.KS.US); Jim Slattery (JSlattery@helton-williamsen.com); Don Higbee (Don Higbee, Lower Arkansas Water Management Association); Dennis Montgomery (dennismontgomery@hillandrobbins.com)  
**Subject:** Delivery to Offset Account for LAWMA

**May 7, 2005**

Michael Meyer  
 Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) will deliver fully consumable water associated with the Highland Canal water right to the Offset Account per the procedure outlined most recently in the November 21, 2004 summary of Highland Canal Operations. The delivery throughout 2005 is expected to total approximately 4,748 acre-feet to be used for well augmentation.

Colorado Downstream Consumable Water Subaccount	Approximately 4,748 acre-feet
Return Flow Subaccount	N/A
Return Flow Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account at the conclusion of the 2005 irrigation season.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
 Assistant Division Engineer



# STATE OF COLORADO

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<http://water.state.co.us/default.htm>



May 13, 2005

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

Dear Mike,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer approximately **897 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made at 2400 hrs, May 13, 2005. On behalf of LAWMA, approximately 1,530 acre-feet of water will be transferred from LAWMA's X-Y, and Stubbs Section II accounts. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 1,530 acre-feet will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	897 acre-feet
Return Flow/Transit Loss Subaccount	633 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer



# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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FAX: (719) 544-0800

<http://water.state.co.us/default.htm>



May 26, 2005

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

Dear Mike,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Arkansas Groundwater Users Association (AGUA) has initiated actions to deliver approximately **150 acre-feet** of fully consumable water to the Colorado Upstream Consumable Water subaccount of the Offset Account. AGUA has arranged for a portion of the water measured at the Excelsior Ditch augmentation station to be delivered less transit losses to John Martin Reservoir. The delivery will begin to arrive at John Martin Reservoir at 14:00 hours on May 27, 2005 and will accrue to the Offset Account at a rate of 10.65 cfs to the account. The consumptive use portion of the measured augmentation station release is to be determined as described in the AGUA 2005-06 Rule 14 Replacement plan application and per the conditions in the March 31, 2005 AGUA approval letter. The return flows will match the historic pattern utilizing the combination of return flows measured through the augmentation station and the return flows lagged to the Arkansas River from deliveries to the Excelsior recharge ponds to satisfy historic return flows that would have accrued to the Arkansas River from historic Excelsior Ditch irrigation use.

Colorado Upstream Consumable Water Subaccount	150 acre-feet
Return Flow/Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account once the delivery has been completed.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer

**Tyner, Bill**

**From:** Tyner, Bill  
**Sent:** Thursday, May 26, 2005 2:34 PM  
**To:** Michael Meyer (mmeyer@kda.state.ks.us)  
**Cc:** David Pope (David Pope); Witte, Steve; Flory, Joe; Morey, Monique; Kevin Salter(KSALTER@KDA.STATE.KS.US); Dennis Montgomery (dennismontgomery@hillandrobbs.com); mark.mclean@deereault.com; Michelle Matthews (michelle.matthews@deereault.com); Brenda Fillmore AGUA (Brenda Fillmore, AGUA); Taylor, Don; Van Oort, John  
**Subject:** Delivery to Offset Account for AGUA

**May 26, 2005**

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Arkansas Groundwater Users Association (AGUA) has initiated actions to deliver approximately **150 acre-feet** of fully consumable water to the Colorado Upstream Consumable Water subaccount of the Offset Account. AGUA has arranged for a portion of the water measured at the Excelsior Ditch augmentation station to be delivered less transit losses to John Martin Reservoir. The delivery will begin to arrive at John Martin Reservoir at 14:00 hours on May 27, 2005 and will accrue to the Offset Account at a rate of 10.65 cfs to the account. The consumptive use portion of the measured augmentation station release is to be determined as described in the AGUA 2005-06 Rule 14 Replacement plan application and per the conditions in the March 31, 2005 AGUA approval letter. The return flows will match the historic pattern utilizing the combination of return flows measured through the augmentation station and the return flows lagged to the Arkansas River from deliveries to the Excelsior recharge ponds to satisfy historic return flows that would have accrued to the Arkansas River from historic Excelsior Ditch irrigation use.

Colorado Upstream Consumable Water Subaccount	150 acre-feet
Return Flow/Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account once the delivery has been completed.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer

5/26/2005





# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>



May 26, 2005

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

Dear Mike,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer approximately **266.7 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made at 2400 hrs, May 26, 2005. On behalf of LAWMA, approximately 419.3 acre-feet of water will be transferred from LAWMA's Keesee Section II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 419.3 acre-feet will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	266.7 acre-feet
Return Flow/Transit Loss Subaccount	152.6 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer

**Tyner, Bill**

**From:** Tyner, Bill  
**Sent:** Thursday, May 26, 2005 2:53 PM  
**To:** Michael Meyer (mmeyer@kda.state.ks.us)  
**Cc:** David Pope (David Pope); Witte, Steve; Flory, Joe; Morey, Monique; Kevin Salter(KSALTER@KDA.STATE.KS.US); Jim Slattery (JSlattery@helton-williamsen.com); Don Higbee (Don Higbee, Lower Arkansas Water Management Association); Dennis Montgomery (dennismontgomery@hillandrobbsins.com)  
**Subject:** Delivery to Offset Account for LAWMA

**May 26, 2005**

Michael Meyer  
 Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer approximately **266.7 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made at 2400 hrs, May 26, 2005. On behalf of LAWMA, approximately 419.3 acre-feet of water will be transferred from LAWMA's Keesee Section II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 419.3 acre-feet will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	266.7 acre-feet
Return Flow/Transit Loss Subaccount	152.6 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
 Assistant Division Engineer

## **SECTION 3**

**June 2005**

# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

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<http://water.state.co.us/default.htm>



June 15, 2005

Bill Owens  
Governor

Russell George  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,


The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA), Colorado Water Protective & Development Association (CWPDA), Arkansas Groundwater Users Association (AGUA), Fort Lyon Well Users Association (FLWUA) as well as the smaller plan associations (FNMC and McComber) have initiated actions to transfer approximately **1004 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water and Colorado Upstream Consumable Water subaccounts of the Offset Account. These associations purchased fully consumable water via the Lower Arkansas Valley Water Conservancy District from Pueblo Board of Water Works. The Pueblo Board of Water Works fully consumable water will be contract exchanged for Fort Lyon Section III water in John Martin and immediately transferred into the Offset Account. The Fort Lyon Canal Company will take delivery of 1004 acre-feet of water stored in the Lake Meredith Reservoir system to the Fort Lyon headgate fully maintaining the historical return flow pattern of the Section III water. The transfer from the Section III account will be made at 2400 hrs, June 15, 2005.

Colorado Downstream Consumable Water Subaccount	686.58 acre-feet
Colorado Upstream Consumable Water Subaccount	317.42 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

If you have any questions in the meantime, please call me.

Sincerely,

  
Bill W. Tyner  
Assistant Division Engineer

**Tyner, Bill**

**From:** Tyner, Bill  
**Sent:** Wednesday, June 15, 2005 1:42 PM  
**To:** Michael Meyer (mmeyer@kda.state.ks.us)  
**Cc:** David Pope (David Pope); Witte, Steve; Flory, Joe; Morey, Monique; Brenda Fillmore AGUA (Brenda Fillmore, AGUA); Kevin Salter(KSALTER@KDA.STATE.KS.US); Jim Slattery (JSlattery@helton-williamsen.com); Don Higbee (Don Higbee, Lower Arkansas Water Management Association); Alan Ward (award@pueblowater.org); Allen Ringle (aringle@centurytel.net); Dennis Montgomery (dennismontgomery@hillandrobbsins.com); Jay Winner (jwinner@centurytel.net); Rachel Merrill (cwpdaoffice@centurytel.net)  
**Subject:** Delivery to Offset Account

**June 15, 2005**

Michael Meyer  
 Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA), Colorado Water Protective & Development Association (CWPDA), Arkansas Groundwater Users Association (AGUA), Fort Lyon Well Users Association (FLWUA) as well as the smaller plan associations (FNMC and McComber) have initiated actions to transfer approximately **1004 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water and Colorado Upstream Consumable Water subaccounts of the Offset Account. These associations purchased fully consumable water via the Lower Arkansas Valley Water Conservancy District from Pueblo Board of Water Works. The Pueblo Board of Water Works fully consumable water will be contract exchanged for Fort Lyon Section III water in John Martin and immediately transferred into the Offset Account. The Fort Lyon Canal Company will take delivery of 1004 acre-feet of water stored in the Lake Meredith Reservoir system to the Fort Lyon headgate fully maintaining the historical return flow pattern of the Section III water. The transfer from the Section III account will be made at 2400 hrs, June 15, 2005.

Colorado Downstream Consumable Water Subaccount	686.58 acre-feet
Colorado Upstream Consumable Water Subaccount	317.42 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
 Assistant Division Engineer



# STATE OF COLORADO

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June 15, 2005

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer approximately **137 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made at 2400 hrs, June 15, 2005. On behalf of LAWMA, approximately 217 acre-feet of water will be transferred from LAWMA's X-Y, Keesee and Stubbs Section II accounts. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 217 acre-feet will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	137 acre-feet
Return Flow/Transit Loss Subaccount	80 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

**Tyner, Bill**

**From:** Tyner, Bill  
**Sent:** Wednesday, June 15, 2005 1:44 PM  
**To:** Michael Meyer (mmeyer@kda.state.ks.us)  
**Cc:** David Pope (David Pope); Witte, Steve; Flory, Joe; Morey, Monique; Kevin Salter(KSALTER@KDA.STATE.KS.US); Jim Slattery (JSlattery@helton-williamsen.com); Don Higbee (Don Higbee, Lower Arkansas Water Management Association); Dennis Montgomery (dennismontgomery@hillandrobbsins.com)  
**Subject:** Delivery to Offset Account for LAWMA

**June 15, 2005**

Michael Meyer  
 Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer approximately **137 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made at 2400 hrs, June 15, 2005. On behalf of LAWMA, approximately 217 acre-feet of water will be transferred from LAWMA's X-Y, Keesee and Stubbs Section II accounts. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 217 acre-feet will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	137 acre-feet
Return Flow/Transit Loss Subaccount	80 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
 Assistant Division Engineer



## **SECTION 3**

**July 2005**

# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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Bill Owens  
Governor

Russell George  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

July 1, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Transfer to the Offset Account in John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of a transfer of water to the Offset Account.

The Lower Arkansas Water Management Association (LAWMA) has transferred **432.31 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. A total of **679.71 acre-feet** of water was transferred from the Keesee Section II account. 432.31 acre-feet of fully consumable water was placed in the Colorado downstream consumable subaccount, 233.81 acre-feet was placed in the Return Flow subaccount, and 13.59 acre-feet was placed in the Return Flow Transit Loss subaccount of the Offset Account.

A copy of the accounting spreadsheet for John Martin Reservoir for May 1, 2005 is attached at Enclosure 1. This accounting shows the transfer of water into the subaccounts referenced above. All of the Offset Account content related to this transfer was subsequently released by Kansas between May 1, 2005 and May 25, 2005 or during a later release between June 11, 2005 and June 21, 2005. A computation of return flow and return flow transit loss is included with this letter at Enclosure 2, however no computations on return flow timing have been provided since the water has already been released.

The following information is provided in accordance with paragraph 3 of the Resolution.

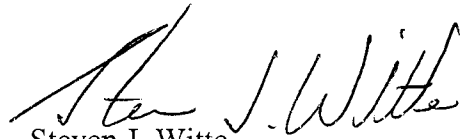
Source of Water Transferred:	Keesee Section II Account.
Time Associated With Transfer	
Transfer Made At:	2400 hours, May 1, 2005
Extent Water is Fully Consumable:	
LAWMA Keesee Section II Account water is 64.9% consumable.	

Return Flow Information

Quantity: 247.40 acre-feet  
Timing: See previous paragraph.  
Location: Return Flow subaccount.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

Enclosure

cc: Kevin Salter    John Draper    Dale Book    Mark Rude  
Hal Simpson    Dennis Montgomery    Carol Angel  
Don Higbee    Jim Slattery  
Dale Straw    Monique Morey    Joe Flory    Bill Tyner

**Enclosure 1**

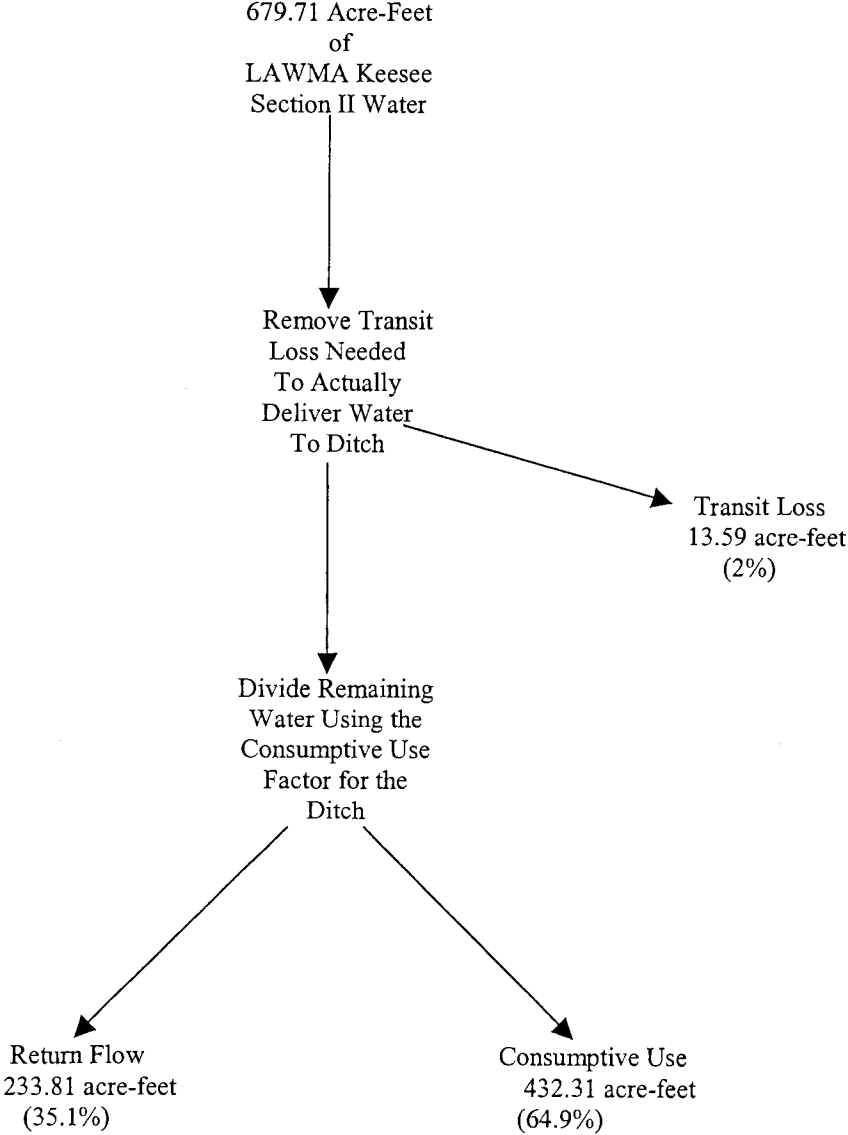
**John Martin Reservoir Accounting for May 1, 2005**

## John Martin Daily Report

5/1/2005

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
<b>Storage</b>								
City								
City/LAMAR	5/1/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
Summer Compact	5/1/2005	252.82	161.04	0.00	413.76	0.00	0.10	0.00
Winter Compact	5/1/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water								
Winter Water	5/1/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
Permanent Pool	5/1/2005	1,701.86	0.00	0.00	0.00	0.00	0.68	1,701.18
Flood Pool	5/1/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Storage</b>	<b>Totals:</b>	<b>1,954.68</b>	<b>161.04</b>	<b>0.00</b>	<b>413.76</b>	<b>0.00</b>	<b>0.78</b>	<b>1,701.18</b>
<b>Agreement</b>								
Inter.State								
Kansas Kansas	5/1/2005	32,330.26	0.00	165.50	0.00	0.00	12.91	32,482.86
Transit Loss	5/1/2005	1,638.83	0.00	0.00	0.00	0.00	0.65	1,638.18
Article III								
Amity	5/1/2005	7,977.23	0.00	0.00	0.00	0.00	3.19	7,974.04
Ft. Lyon	5/1/2005	4,493.50	0.00	0.00	0.00	0.00	1.79	4,491.71
Las Animas	5/1/2005	1,910.26	0.00	0.00	0.00	0.00	0.76	1,909.50
CO Art II								
Prev Winter Stored Keesee	5/1/2005	83.10	0.00	0.00	83.07	0.00	0.03	0.00
Prev Winter Stored Ft Bent	5/1/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Amity	5/1/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Lamar	5/1/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Hyde	5/1/2005	46.90	0.00	0.00	46.88	0.00	0.02	0.00
Prev Winter Stored X-Y	5/1/2005	184.22	0.00	0.00	184.15	0.00	0.07	0.00
Prev Winter Stored Buffalo	5/1/2005	272.77	0.00	0.00	272.66	0.00	0.11	0.00
Prev Winter Stored Sisson	5/1/2005	31.32	0.00	0.00	31.31	0.00	0.01	0.00
Prev Winter Stored Stubbs	5/1/2005	12.17	0.00	0.00	12.17	0.00	0.00	0.00
Prev Winter Stored Manvel Consu	5/1/2005	2.17	0.00	0.00	2.17	0.00	0.00	0.00
Prev Winter Stored Manvel Return	5/1/2005	20.38	0.00	0.00	20.37	0.00	0.01	0.00
CO Art II								
Crnt Winter Stored Keesee	5/1/2005	431.83	0.00	0.00	0.00	0.00	0.17	431.66
Crnt Winter Stored Ft Bent	5/1/2005	1,858.78	0.00	0.00	0.00	0.00	0.74	1,858.04
Crnt Winter Stored Amity	5/1/2005	4,135.46	0.00	0.00	0.00	233.04	1.65	3,900.77
Crnt Winter Stored Lamar	5/1/2005	1,518.36	0.00	0.00	0.00	155.02	0.61	1,362.73
Crnt Winter Stored Hyde	5/1/2005	243.95	0.00	0.00	0.00	0.00	0.10	243.85
Crnt Winter Stored X-Y	5/1/2005	957.63	0.00	0.00	0.00	0.00	0.38	957.25
Crnt Winter Stored Buffalo	5/1/2005	1,200.14	0.00	0.00	0.00	0.00	0.48	1,199.66
Crnt Winter Stored Sisson	5/1/2005	161.48	0.00	0.00	0.00	0.00	0.06	161.42
Crnt Winter Stored Stubbs	5/1/2005	64.22	0.00	0.00	0.00	0.00	0.03	64.19
Crnt Winter Stored Manvel Consu	5/1/2005	225.31	0.00	0.00	0.00	0.00	0.09	225.22
Crnt Winter Stored Manvel Return	5/1/2005	225.31	0.00	0.00	0.00	0.00	0.09	225.22
CO Art II								
Summer Stored Keesee	5/1/2005	591.17	0.00	88.78	679.71	0.00	0.24	0.00
Summer Stored Ft Bent	5/1/2005	652.40	0.00	24.58	0.00	136.27	0.26	540.45
Summer Stored Amity	5/1/2005	0.00	0.00	122.89	0.00	122.89	0.00	0.00
Summer Stored Lamar	5/1/2005	0.00	0.00	49.15	0.00	49.15	0.00	0.00
Summer Stored Hyde	5/1/2005	467.69	0.00	50.11	0.00	0.00	0.19	517.61
Summer Stored X-Y	5/1/2005	1,168.82	0.00	196.81	0.00	0.00	0.47	1,365.16
Summer Stored Buffalo	5/1/2005	653.99	0.00	293.76	0.00	39.67	0.26	907.82
Summer Stored Sisson	5/1/2005	334.43	0.00	33.44	0.00	0.00	0.13	367.74
Summer Stored Stubbs	5/1/2005	113.44	0.00	13.02	0.00	0.00	0.05	126.42
Summer Stored Manvel Consumabl	5/1/2005	417.31	0.00	5.15	0.00	0.00	0.17	422.29
Summer Stored Manvel Return Flo	5/1/2005	417.31	0.00	23.35	0.00	0.00	0.17	440.49
<b>Agreement</b>	<b>Totals:</b>	<b>64,842.13</b>	<b>0.00</b>	<b>1,066.53</b>	<b>1,332.48</b>	<b>736.04</b>	<b>25.89</b>	<b>63,814.25</b>
<b>OffsetAccount</b>								
Consumable								
Upstream	5/1/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Downstream	5/1/2005	6,956.48	74.02	432.31	0.00	357.03	2.78	7,103.00
Kansas	5/1/2005	650.67	0.00	0.00	0.00	0.00	0.26	650.41
Kansas Charge	5/1/2005	525.63	0.00	0.00	0.00	0.00	0.21	525.42
ReturnFlow								
Return Flow	5/1/2005	153.07	0.00	233.81	0.00	0.00	0.06	386.82
RF Transit Loss	5/1/2005	53.34	0.00	13.59	0.00	0.00	0.02	66.91
Keesee Winter	5/1/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>OffsetAccount</b>	<b>Totals:</b>	<b>8,339.19</b>	<b>74.02</b>	<b>679.71</b>	<b>0.00</b>	<b>357.03</b>	<b>3.33</b>	<b>8,732.56</b>
<b>Reservoir</b>	<b>Totals:</b>	<b>75,136.00</b>	<b>235.06</b>	<b>1,746.24</b>	<b>1,746.24</b>	<b>1,093.07</b>	<b>30.00</b>	<b>74,247.99</b>
<b>Colorado Article II Summary</b>								
Keesee	5/1/2005	1,106.10	0.00	88.78	762.78	0.00	0.44	431.66
Ft Bent	5/1/2005	2,511.18	0.00	24.58	0.00	136.27	1.00	2,398.49
Amity	5/1/2005	4,135.46	0.00	122.89	0.00	355.93	1.65	3,900.77
Lamar	5/1/2005	1,518.36	0.00	49.15	0.00	204.17	0.61	1,362.73
Hyde	5/1/2005	758.54	0.00	50.11	46.88	0.00	0.31	761.46
X-Y	5/1/2005	2,310.67	0.00	196.81	184.15	0.00	0.92	2,322.41
Buffalo	5/1/2005	2,126.90	0.00	293.76	272.66	39.67	0.85	2,107.48
Sisson	5/1/2005	527.23	0.00	33.44	31.31	0.00	0.20	529.16
Stubbs	5/1/2005	189.83	0.00	13.02	12.17	0.00	0.08	190.60
Manvel	5/1/2005	1,307.78	0.00	28.49	22.54	0.00	0.53	1,313.21
<b>Colorado Article II</b>	<b>Totals:</b>	<b>16,492.05</b>	<b>0.00</b>	<b>901.03</b>	<b>1,332.48</b>	<b>736.04</b>	<b>6.59</b>	<b>15,317.97</b>

**Enclosure 2 – Return Flow Computations for Keesee Section II Transfer**





# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
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Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

July 1, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Transfer to the Offset Account in John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of a transfer of water to the Offset Account.

The Lower Arkansas Water Management Association (LAWMA) has transferred **900.58 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. A total of **1535.40 acre-feet** of water was transferred from the X-Y and Stubbs Section II accounts. 900.58 acre-feet of fully consumable water was placed in the Colorado downstream consumable subaccount, 466.23 acre-feet was placed in the Return Flow subaccount, and 168.59 acre-feet was placed in the Return Flow Transit Loss subaccount of the Offset Account.

A copy of the accounting spreadsheet for John Martin Reservoir for May 13, 2005 is attached at Enclosure 1. This accounting shows the transfer of water into the subaccounts referenced above. All of the Offset Account content related to this transfer was subsequently released by Kansas between May 1, 2005 and May 25, 2005 or during a later release between June 11, 2005 and June 21, 2005. A computation of return flow and return flow transit loss is included with this letter at Enclosures 2 and 3, however no computations on return flow timing have been provided since the water has already been released.

The following information is provided in accordance with paragraph 3 of the Resolution.

Source of Water Transferred:	X-Y Graham Section II Account.
Time Associated With Transfer	
Transfer Made At:	2400 hours, May 13, 2005
Extent Water is Fully Consumable:	
LAWMA X-Y Section II Account water is 65.7% consumable.	



Return Flow Information

Quantity: 550.64 acre-feet  
Timing: See previous paragraph.  
Location: Return Flow subaccount.

Source of Water Transferred: Stubbs Section II Account.

Time Associated With Transfer

Transfer Made At: 2400 hours, May 13, 2005

Extent Water is Fully Consumable:

LAWMA Stubbs Section II Account water is 67.38% consumable.

Return Flow Information

Quantity: 84.18 acre-feet  
Timing: See previous paragraph.  
Location: Return Flow subaccount.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

Enclosure

cc: Kevin Salter      John Draper      Dale Book      Mark Rude  
Hal Simpson      Dennis Montgomery      Carol Angel  
Don Higbee      Jim Slattery  
Dale Straw      Monique Morey      Joe Flory      Bill Tyner

**Enclosure 1**

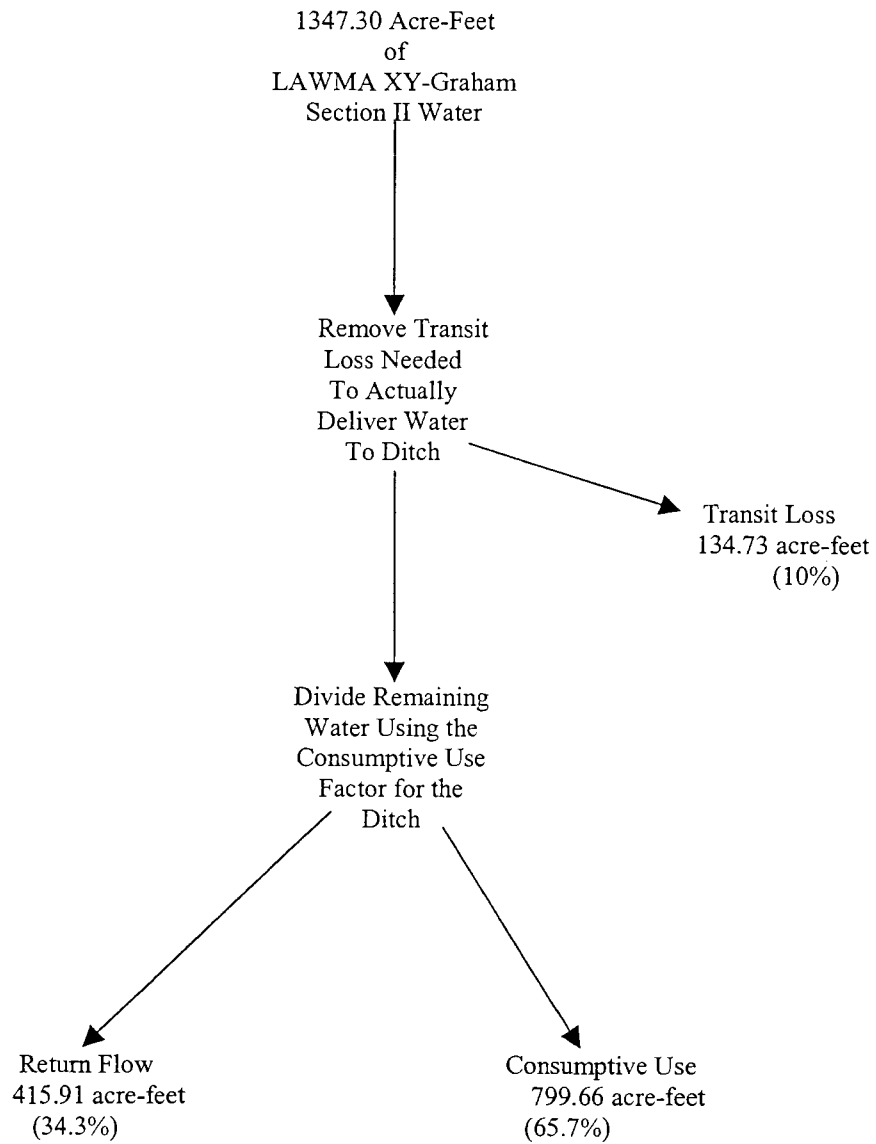
**John Martin Reservoir Accounting for May 13, 2005**

John Martin Daily Report

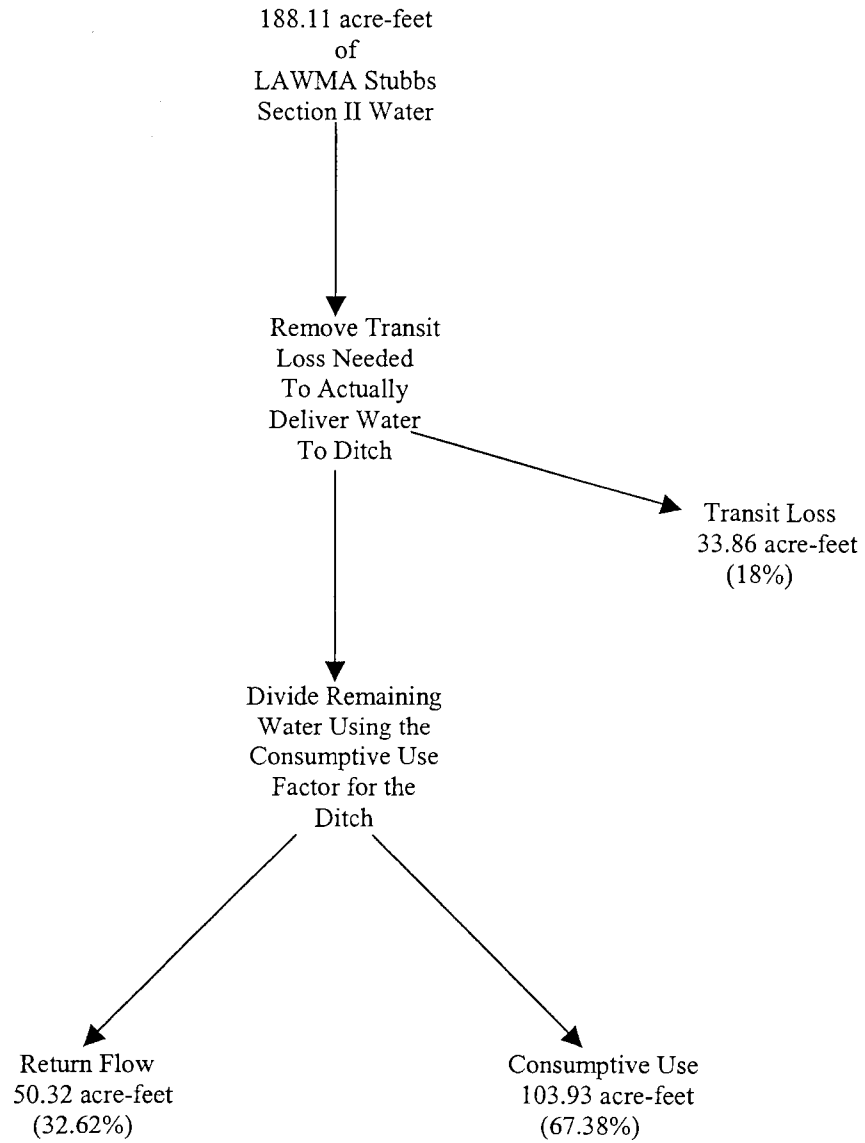
5/13/2005

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
<b>Storage</b>								
City								
City/LAMAR.	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
Summer Compact	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water								
Winter Water	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
Permanent Pool	5/13/2005	1,679.39	0.00	0.00	0.00	0.00	0.47	1,678.92
Flood Pool	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Storage</b>	<b>Totals:</b>	<b>1,679.39</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.47</b>	<b>1,678.92</b>
<b>Agreement</b>								
InterState								
Kansas Kansas	5/13/2005	32,066.95	0.00	0.00	0.00	0.00	9.06	32,057.89
Transit Loss	5/13/2005	1,617.21	0.00	0.00	0.00	0.00	0.46	1,616.75
Article III								
Amity	5/13/2005	7,871.94	0.00	0.00	0.00	0.00	2.22	7,869.72
Ft. Lyon	5/13/2005	4,137.36	0.00	0.00	0.00	99.17	1.17	4,037.02
Las Animas	5/13/2005	1,854.74	0.00	0.00	0.00	5.06	0.52	1,849.16
CO Art II								
Prev Winter Stored Keesee	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Ft Bent	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Amity	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Lamar	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Hyde	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored X-Y	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Buffalo	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Sisson	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Stubbs	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Manvel Consu	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Manvel Return	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Art II								
Cmt Winter Stored Keesee	5/13/2005	426.13	0.00	0.00	0.00	0.00	0.12	426.01
Cmt Winter Stored Ft Bent	5/13/2005	1,824.75	0.00	0.00	0.00	0.00	0.51	1,824.24
Cmt Winter Stored Amity	5/13/2005	1,244.07	0.00	0.00	0.00	246.79	0.35	996.93
Cmt Winter Stored Lamar	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored Hyde	5/13/2005	240.75	0.00	0.00	0.00	0.00	0.07	240.68
Cmt Winter Stored X-Y	5/13/2005	945.01	0.00	0.00	0.00	0.00	0.27	944.74
Cmt Winter Stored Buffalo	5/13/2005	1,184.31	0.00	0.00	0.00	0.00	0.33	1,183.98
Cmt Winter Stored Sisson	5/13/2005	159.36	0.00	0.00	0.00	0.00	0.04	159.32
Cmt Winter Stored Stubbs	5/13/2005	63.37	0.00	0.00	63.35	0.00	0.02	0.00
Cmt Winter Stored Manvel Consu	5/13/2005	222.33	0.00	0.00	0.00	0.00	0.06	222.27
Cmt Winter Stored Manvel Return	5/13/2005	222.33	0.00	0.00	0.00	0.00	0.06	222.27
CO Art II								
Summer Stored Keesee	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Ft Bent	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Amity	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Lamar	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Hyde	5/13/2005	475.88	0.00	0.00	0.00	16.47	0.13	459.28
Summer Stored X-Y	5/13/2005	1,347.68	0.00	0.00	1,347.30	0.00	0.38	0.00
Summer Stored Buffalo	5/13/2005	284.53	0.00	0.00	0.00	98.03	0.08	186.42
Summer Stored Sisson	5/13/2005	363.03	0.00	0.00	0.00	0.00	0.10	362.93
Summer Stored Stubbs	5/13/2005	124.80	0.00	0.00	124.76	0.00	0.04	0.00
Summer Stored Manvel Consumabl	5/13/2005	416.87	0.00	0.00	0.00	0.00	0.12	416.75
Summer Stored Manvel Return Flo	5/13/2005	434.84	0.00	0.00	0.00	0.00	0.12	434.72
<b>Agreement</b>	<b>Totals:</b>	<b>57,528.21</b>	<b>0.00</b>	<b>0.00</b>	<b>1,535.40</b>	<b>465.52</b>	<b>16.23</b>	<b>55,511.06</b>
<b>Offset/Account</b>								
Consumable								
Upstream	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Downstream	5/13/2005	3,614.51	51.26	900.58	0.77	396.70	1.02	4,167.86
Kansas	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kansas Charge	5/13/2005	518.69	0.00	0.00	0.00	0.00	0.15	518.54
ReturnFlow								
Return Flow	5/13/2005	381.89	0.00	466.23	0.00	0.00	0.11	848.01
RF Transit Loss	5/13/2005	66.06	0.00	168.59	0.00	0.00	0.02	234.63
Keesee Winter	5/13/2005	8.41	0.00	0.77	0.00	0.00	0.00	9.18
<b>Offset/Account</b>	<b>Totals:</b>	<b>4,589.56</b>	<b>51.26</b>	<b>1,536.17</b>	<b>0.77</b>	<b>396.70</b>	<b>1.30</b>	<b>5,778.23</b>
<b>Reservoir</b>	<b>Totals:</b>	<b>63,797.16</b>	<b>51.26</b>	<b>1,536.17</b>	<b>1,536.17</b>	<b>862.22</b>	<b>18.00</b>	<b>62,968.20</b>
<b>Colorado Article II Summary</b>								
Keesee	5/13/2005	426.13	0.00	0.00	0.00	0.00	0.12	426.01
Ft Bent	5/13/2005	1,824.75	0.00	0.00	0.00	0.00	0.51	1,824.24
Amity	5/13/2005	1,244.07	0.00	0.00	0.00	246.79	0.35	996.93
Lamar	5/13/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyde	5/13/2005	716.63	0.00	0.00	0.00	16.47	0.20	699.96
X-Y	5/13/2005	2,292.69	0.00	0.00	1,347.30	0.00	0.65	944.74
Buffalo	5/13/2005	1,468.84	0.00	0.00	0.00	98.03	0.41	1,370.40
Sisson	5/13/2005	522.39	0.00	0.00	0.00	0.00	0.14	522.25
Stubbs	5/13/2005	188.16	0.00	0.00	188.10	0.00	0.06	0.00
Manvel	5/13/2005	1,296.36	0.00	0.00	0.00	0.00	0.36	1,296.00
<b>Colorado Article II</b>	<b>Totals:</b>	<b>9,980.02</b>	<b>0.00</b>	<b>0.00</b>	<b>1,535.40</b>	<b>361.29</b>	<b>2.80</b>	<b>8,080.53</b>

## Enclosure 2 – Return Flow and Return Flow Transit Losses for X-Y Graham Section II



### Enclosure 3 - Return Flow and Return Flow Transit Losses for Stubbs Section II





# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>



Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

July 1, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Transfer to the Offset Account in John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of a transfer of water to the Offset Account.

The Lower Arkansas Water Management Association (LAWMA) has transferred **266.32 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. A total of **418.72 acre-feet** of water was transferred from the Keesee Section II account. 266.32 acre-feet of fully consumable water was placed in the Colorado downstream consumable subaccount, 144.03 acre-feet was placed in the Return Flow subaccount, and 8.37 acre-feet was placed in the Return Flow Transit Loss subaccount of the Offset Account.

A copy of the accounting spreadsheet for John Martin Reservoir for May 26, 2005 is attached at Enclosure 1. This accounting shows the transfer of water into the subaccounts referenced above. All of the Offset Account content related to this transfer was subsequently released by Kansas between June 11, 2005 and June 21, 2005. A computation of return flow and return flow transit loss is included with this letter at Enclosure 2, however no computations on return flow timing have been provided since the water has already been released.

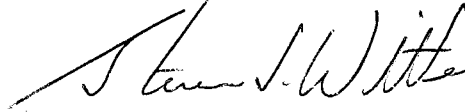
The following information is provided in accordance with paragraph 3 of the Resolution.

Source of Water Transferred:	Keesee Section II Account.
Time Associated With Transfer	
Transfer Made At:	2400 hours, May 26, 2005
Extent Water is Fully Consumable:	
LAWMA Keesee Section II Account water is 64.9% consumable.	
Return Flow Information	

Quantity: 152.40 acre-feet  
Timing: See previous paragraph.  
Location: Return Flow subaccount.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

Enclosure

cc: Kevin Salter    John Draper    Dale Book    Mark Rude  
Hal Simpson    Dennis Montgomery    Carol Angel  
Don Higbee    Jim Slattery  
Dale Straw    Monique Morey    Joe Flory    Bill Tyner



**Enclosure 1**

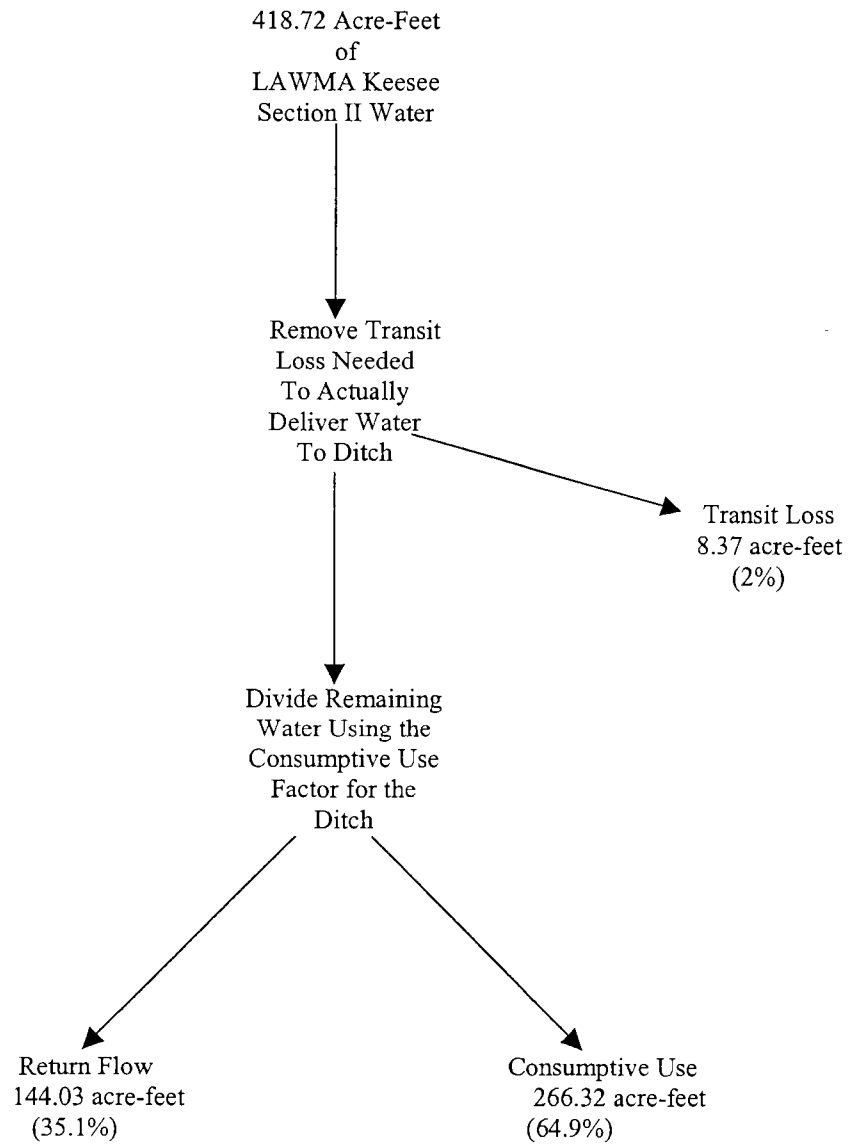
**John Martin Reservoir Accounting for May 26, 2005**

John Martin Daily Report

5/26/2005

Acct	Date	PrevBal	Inflow	TIn	TOut	Rel	Evap	Balance
<b>Storage</b>								
City								
City/LAMAR	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
Summer Compact	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water								
Winter Water	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
Permanent Pool	5/26/2005	1,652.37	0.00	0.00	0.00	0.00	2.30	1,650.07
Flood Pool	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage	Totals:	1,652.37	0.00	0.00	0.00	0.00	2.30	1,650.07
<b>Agreement</b>								
InterState								
Kansas Kansas	5/26/2005	31,551.04	0.00	0.00	0.00	0.00	44.00	31,507.04
Transit Loss	5/26/2005	1,591.17	0.00	0.00	0.00	0.00	2.22	1,588.95
Article III								
Amity	5/26/2005	5,828.32	0.00	0.00	0.00	60.53	8.13	5,759.66
Ft Lyon	5/26/2005	1,307.53	0.00	0.00	0.00	0.00	1.82	1,305.71
Las Animas	5/26/2005	1,501.00	0.00	0.00	0.00	0.00	2.09	1,498.91
CO Art II								
Prev Winter Stored Keesee	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Ft Bent	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Amity	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Lamar	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Hyde	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored X-Y	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Buffalo	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Sisson	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Stubbs	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Manvel Consu	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Manvel Return	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Art II								
Cmnt Winter Stored Keesee	5/26/2005	419.30	0.00	0.00	418.72	0.00	0.58	0.00
Cmnt Winter Stored Ft Bent	5/26/2005	1,781.60	0.00	0.00	0.00	0.00	2.48	1,779.12
Cmnt Winter Stored Amity	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmnt Winter Stored Lamar	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmnt Winter Stored Hyde	5/26/2005	236.88	0.00	0.00	0.00	0.00	0.33	236.55
Cmnt Winter Stored X-Y	5/26/2005	929.80	0.00	0.00	0.00	0.00	1.30	928.50
Cmnt Winter Stored Buffalo	5/26/2005	1,165.26	0.00	0.00	0.00	0.00	1.62	1,163.64
Cmnt Winter Stored Sisson	5/26/2005	156.79	0.00	0.00	0.00	0.00	0.22	156.57
Cmnt Winter Stored Stubbs	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmnt Winter Stored Manvel Consu	5/26/2005	218.76	0.00	0.00	0.00	0.00	0.31	218.45
Cmnt Winter Stored Manvel Return	5/26/2005	218.76	0.00	0.00	0.00	0.00	0.31	218.45
CO Art II								
Summer Stored Keesee	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Ft Bent	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Amity	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Lamar	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Hyde	5/26/2005	112.66	0.00	0.00	0.00	12.40	0.16	100.10
Summer Stored X-Y	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Buffalo	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Sisson	5/26/2005	357.19	0.00	0.00	0.00	0.00	0.50	356.69
Summer Stored Stubbs	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Manvel Consumabl	5/26/2005	410.18	0.00	0.00	0.00	0.00	0.57	409.61
Summer Stored Manvel Return Flo	5/26/2005	427.84	0.00	0.00	0.00	0.00	0.60	427.24
Agreement	Totals:	48,214.07	0.00	0.00	418.72	72.93	67.24	47,655.18
<b>OffsetAccount</b>								
Consumable								
Upstream	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Downstream	5/26/2005	170.80	46.57	266.32	130.11	0.00	0.24	353.34
Kansas	5/26/2005	0.00	0.00	129.34	0.00	0.00	0.00	129.34
Kansas Charge	5/26/2005	510.34	0.00	0.00	0.00	0.00	0.71	509.63
ReturnFlow								
Return Flow	5/26/2005	834.61	0.00	144.03	0.00	0.00	1.16	977.48
RF Transit Loss	5/26/2005	230.91	0.00	8.37	0.00	0.00	0.32	238.96
Keesee Winter	5/26/2005	18.20	0.00	0.77	0.00	0.00	0.03	18.94
OffsetAccount	Totals:	1,764.87	46.57	548.83	130.11	0.00	2.46	2,227.69
Reservoir	Totals:	51,631.31	46.57	548.83	548.83	72.93	72.00	51,532.95
<b>Colorado Article II Summary</b>								
Keesee	5/26/2005	419.30	0.00	0.00	418.72	0.00	0.58	0.00
Ft Bent	5/26/2005	1,781.60	0.00	0.00	0.00	0.00	2.48	1,779.12
Amity	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lamar	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyde	5/26/2005	349.54	0.00	0.00	0.00	12.40	0.49	336.65
X-Y	5/26/2005	929.80	0.00	0.00	0.00	0.00	1.30	928.50
Buffalo	5/26/2005	1,165.26	0.00	0.00	0.00	0.00	1.62	1,163.64
Sisson	5/26/2005	513.98	0.00	0.00	0.00	0.00	0.72	513.26
Stubbs	5/26/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manvel	5/26/2005	1,275.53	0.00	0.00	0.00	0.00	1.79	1,273.74
Colorado Article II	Totals:	6,435.01	0.00	0.00	418.72	12.40	8.98	5,994.91

## Enclosure 2 – Return Flow Computations for Keesee Section II Transfer





# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>

July 1, 2005



Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Release of Offset Account Water from John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide an initial accounting for a release of water from the Offset Account in John Martin Reservoir for delivery to the Stateline demanded by the Kansas Chief Engineer in accordance with the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") and the **Stipulation Re Offset Account in John Martin Reservoir** dated March 17, 1997 ("Stipulation").

Staff for the Kansas Chief Engineer requested a release of water from the Offset Account at an average rate of 209.1 c.f.s. The release began at approximately 11:00 hours, April 27, 2005 and continued until approximately 10:00 hours, May 25, 2005. Transit losses on the release of water from the Offset Account were determined using the transit losses for Subreach 6, including bank and channel storage, as set forth in U.S. Geological Survey Water Resources Investigations 78-75.

Enclosure 1 shows the quantities of water that were in the various subaccounts of the Offset Account prior to the initiation of the release, during the release, and following the release of all water from the account. Please note that storage charge water and fully consumable water for use in offsetting depletions to usable Stateline flow was released, as well as the return flow and return flow transit loss water.

Enclosure 2 shows the credit at the Stateline for the delivery of the fully consumable water released from the Offset Account. The credit was determined in accordance with paragraphs 2 and 3 of the Stipulation and was 10,658.5 acre-feet.

David L. Pope  
July 1, 2005

Page 2

Please contact me if you have any questions or require additional information.

Sincerely,

Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

2 Enclosures

cc: Mark Rude    Kevin Salter    John Draper    Dale Book  
    Hal Simpson    Dennis Montgomery    Carol Angel    Don Higbee    Jim Slattery  
    Dale Straw    Bill Tyner    Monique Morey    Brian Boughton

**Enclosure 1**

**Offset Account Report for April and May 2005**

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						8128.40							628.07							339.55
1	0.00	0.01	0.01	18.55	4.60	8105.25	1	0.00	0.00	0.00	0.00	0.36	627.71	1	0.00	0.00	0.00	0.00	0.19	339.36
2	71.73	0.00	0.00	0.00	4.97	8172.01	2	0.00	0.00	0.00	0.00	0.38	627.33	2	0.00	0.00	0.00	0.00	0.21	339.15
3	71.65	0.00	0.00	0.00	4.62	8239.04	3	0.00	0.00	0.00	0.00	0.36	626.97	3	0.00	0.00	0.00	0.00	0.19	338.96
4	70.71	0.00	0.00	0.00	15.47	8294.28	4	0.00	0.00	0.00	0.00	1.18	625.79	4	0.00	0.00	0.00	0.00	0.64	338.32
5	71.86	0.00	0.00	0.00	3.29	8362.85	5	0.00	0.00	0.00	0.00	0.25	625.54	5	0.00	0.00	0.00	0.00	0.13	338.19
6	71.52	0.00	0.00	0.00	7.70	8426.67	6	0.00	0.00	0.00	0.00	0.58	624.96	6	0.00	0.00	0.00	0.00	0.31	337.88
7	70.15	0.00	0.00	0.00	6.27	8490.55	7	0.00	0.00	0.00	0.00	0.47	624.49	7	0.00	0.00	0.00	0.00	0.25	337.63
8	71.66	0.00	0.00	0.00	3.28	8558.93	8	0.00	0.00	0.00	0.00	0.24	624.25	8	0.00	0.00	0.00	0.00	0.13	337.50
9	71.66	0.00	0.00	0.00	3.23	8627.36	9	0.00	0.00	0.00	0.00	0.24	624.01	9	0.00	0.00	0.00	0.00	0.13	337.37
10	71.66	300.86	300.86	0.00	2.96	8696.06	10	0.00	0.00	0.00	0.00	0.21	623.80	10	0.00	300.86	0.00	0.00	0.12	638.11
11	71.80	0.00	0.00	0.00	22.20	8745.66	11	0.00	0.00	0.00	0.00	1.59	622.21	11	0.00	0.00	0.00	0.00	1.63	636.48
12	72.10	0.00	0.00	0.00	5.60	8812.16	12	0.00	0.00	0.00	0.00	0.40	621.81	12	0.00	0.00	0.00	0.00	0.41	636.07
13	71.64	0.00	0.00	0.00	11.28	8872.52	13	0.00	0.00	0.00	0.00	0.80	621.01	13	0.00	0.00	0.00	0.00	0.81	635.26
14	71.30	0.00	0.00	0.00	6.53	8937.29	14	0.00	0.00	0.00	0.00	0.46	620.55	14	0.00	0.00	0.00	0.00	0.47	634.79
15	71.80	0.00	0.00	0.00	7.80	9001.29	15	0.00	0.00	0.00	0.00	0.54	620.01	15	0.00	0.00	0.00	0.00	0.55	634.24
16	74.19	0.00	0.00	0.00	7.80	9067.68	16	0.00	0.00	0.00	0.00	0.54	619.47	16	0.00	0.00	0.00	0.00	0.55	633.69
17	74.19	0.00	0.00	0.00	8.11	9133.76	17	0.00	0.00	0.00	0.00	0.55	618.92	17	0.00	0.00	0.00	0.00	0.57	633.12
18	74.19	0.00	0.00	0.00	11.98	9195.97	18	0.00	0.00	0.00	0.00	0.81	618.11	18	0.00	0.00	0.00	0.00	0.83	632.29
19	74.19	0.00	0.00	0.00	12.76	9257.40	19	0.00	0.00	0.00	0.00	0.86	617.25	19	0.00	0.00	0.00	0.00	0.88	631.41
20	74.19	0.00	0.00	0.00	11.90	9319.69	20	0.00	0.00	0.00	0.00	0.79	616.46	20	0.00	0.00	0.00	0.00	0.81	630.60
21	74.19	0.00	0.00	0.00	6.81	9387.07	21	0.00	0.00	0.00	0.00	0.45	616.01	21	0.00	0.00	0.00	0.00	0.46	630.14
22	74.19	0.00	0.00	0.00	6.91	9454.35	22	0.00	0.00	0.00	0.00	0.45	615.56	22	0.00	0.00	0.00	0.00	0.46	629.68
23	74.02	0.00	0.00	0.00	7.02	9521.35	23	0.00	0.00	0.00	0.00	0.46	615.10	23	0.00	0.00	0.00	0.00	0.47	629.21
24	74.01	0.00	0.00	0.00	7.39	9587.97	24	0.00	0.00	0.00	0.00	0.48	614.62	24	0.00	0.00	0.00	0.00	0.49	628.72
25	74.03	0.00	0.00	0.00	4.09	9657.91	25	0.00	0.00	0.00	0.00	0.26	614.36	25	0.00	0.00	0.00	0.00	0.27	628.45
26	74.02	0.00	0.00	0.00	5.01	9726.92	26	0.00	0.00	0.00	0.00	0.32	614.04	26	0.00	0.00	0.00	0.00	0.33	628.12
27	74.02	0.00	0.00	313.76	10.16	9477.02	27	0.00	0.00	0.00	313.76	0.64	299.64	27	0.00	0.00	0.00	0.00	0.66	627.46
28	74.02	0.00	0.00	549.66	2.44	8998.94	28	0.00	0.00	0.00	299.56	0.08	0.00	28	0.00	0.00	0.00	0.00	0.16	627.30
29	74.02	37.79	37.79	443.25	3.29	8626.42	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.23	627.07
30	74.02	23.83	23.83	358.07	3.18	8339.19	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	23.83	0.00	0.00	0.23	650.67
2112.73 362.49 362.49 1683.29 218.65							0.00 0.00 0.00 613.32 14.75							0.00 324.69 0.00 0.00 13.57						

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						7873.93							6406.31							500.00
1	0.00	0.00	0.01	0.00	4.46	7869.46	1	0.00	0.00	0.01	0.00	3.63	6402.67	1	0.00	0.00	0.00	0.00	0.28	499.72
2	71.73	0.00	0.00	0.00	4.82	7936.37	2	71.73	0.00	0.00	0.00	3.92	6470.48	2	0.00	0.00	0.00	0.00	0.31	499.41
3	71.65	0.00	0.00	0.00	4.49	8003.53	3	71.65	0.00	0.00	0.00	3.66	6538.47	3	0.00	0.00	0.00	0.00	0.28	499.13
4	70.71	0.00	0.00	0.00	15.03	8059.21	4	70.71	0.00	0.00	0.00	12.27	6596.91	4	0.00	0.00	0.00	0.00	0.94	498.19
5	71.86	0.00	0.00	0.00	3.20	8127.87	5	71.86	0.00	0.00	0.00	2.62	6666.15	5	0.00	0.00	0.00	0.00	0.20	497.99
6	71.52	0.00	0.00	0.00	7.49	8191.90	6	71.52	0.00	0.00	0.00	6.14	6731.53	6	0.00	0.00	0.00	0.00	0.46	497.53
7	70.15	0.00	0.00	0.00	6.10	8255.95	7	70.15	0.00	0.00	0.00	5.01	6796.67	7	0.00	0.00	0.00	0.00	0.37	497.16
8	71.66	0.00	0.00	0.00	3.19	8324.42	8	71.66	0.00	0.00	0.00	2.63	6865.70	8	0.00	0.00	0.00	0.00	0.19	496.97
9	71.66	0.00	0.00	0.00	3.14	8392.94	9	71.66	0.00	0.00	0.00	2.58	6934.78	9	0.00	0.00	0.00	0.00	0.19	496.78
10	71.66	300.86	300.86	0.00	2.88	8461.72	10	71.66	0.00	300.86	0.00	2.38	6703.20	10	0.00	0.00	0.00	0.00	0.17	496.61
11	71.80	0.00	0.00	0.00	21.60	8511.92	11	71.80	0.00	0.00	0.00	17.11	6757.89	11	0.00	0.00	0.00	0.00	1.27	495.34
12	72.10	0.00	0.00	0.00	5.45	8578.57	12	72.10	0.00	0.00	0.00	4.32	6825.67	12	0.00	0.00	0.00	0.00	0.32	495.02
13	71.64	0.00	0.00	0.00	10.98	8639.23	13	71.64	0.00	0.00	0.00	8.74	6888.57	13	0.00	0.00	0.00	0.00	0.63	494.39
14	71.30	0.00	0.00	0.00	6.36	8704.17	14	71.30	0.00	0.00	0.00	5.07	6954.80	14	0.00	0.00	0.00	0.00	0.36	494.03
15	71.80	0.00	0.00	0.00	7.60	8768.37	15	71.80	0.00	0.00	0.00	6.08	7020.52	15	0.00	0.00	0.00	0.00	0.43	493.60
16	74.19	0.00	0.00	0.00	7.60	8834.96	16	74.19	0.00	0.00	0.00	6.08	7088.63	16	0.00	0.00	0.00	0.00	0.43	493.17
17	74.19	0.00	0.00	0.00	7.90	8901.25	17	74.19	0.00	0.00	0.00	6.34	7156.48	17	0.00	0.00	0.00	0.00	0.44	492.73
18	74.19	0.00	0.00	0.00	11.68	8963.76	18	74.19	0.00	0.00	0.00	9.39	7221.28	18	0.00	0.00	0.00	0.00	0.65	492.08
19	74.19	0.00	0.00	0.00	12.44	9025.51	19	74.19	0.00	0.00	0.00	10.02	7285.45	19	0.00	0.00	0.00	0.00	0.68	491.40
20	74.19	0.00	0.00	0.00	11.60	9088.10	20	74.19	0.00	0.00	0.00	9.37	7350.27	20	0.00	0.00	0.00	0.00	0.63	490.77
21	74.19	0.00	0.00	0.00	6.64	9155.65	21	74.19	0.00	0.00	0.00	5.37	7419.09	21	0.00	0.00	0.00	0.00	0.36	490.41
22	74.19	0.00	0.00	0.00	6.74	9223.10	22	74.19	0.00	0.00	0.00	5.47	7487.81	22	0.00	0.00	0.00	0.00	0.36	490.05
23	74.02	0.00	0.00	0.00	6.85	9290.27	23	74.02	0.00	0.00	0.00	5.56	7556.27	23	0.00	0.00	0.00	0.00	0.36	489.69
24	74.01	0.00	0.00	0.00	7.21	9357.07	24	74.01	0.00	0.00	0.00	5.86	7624.42	24	0.00	0.00	0.00	0.00	0.38	489.31
25	74.03	0.00	0.00	0.00	4.00	9427.10	25	74.03	0.00	0.00	0.00	3.26	7695.19	25	0.00	0.00	0.00	0.00	0.21	489.10
26	74.02	0.00	0.00	0.00	4.89	9496.23	26	74.02	0.00	0.00	0.00	3.99	7765.22	26	0.00	0.00	0.00	0.00	0.25	488.85
27	74.02	0.00	0.00	313.76	9.92	9246.57	27	74.02	0.00	0.00	0.00	8.11	7831.13	27	0.00	0.0				



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						254.47							57.60
1	0.00	0.01	0.00	18.55	0.14	235.79	1	0.00	0.00	0.00	0.00	0.03	57.57
2	0.00	0.00	0.00	0.00	0.15	235.64	2	0.00	0.00	0.00	0.00	0.04	57.53
3	0.00	0.00	0.00	0.00	0.13	235.51	3	0.00	0.00	0.00	0.00	0.03	57.50
4	0.00	0.00	0.00	0.00	0.44	235.07	4	0.00	0.00	0.00	0.00	0.11	57.39
5	0.00	0.00	0.00	0.00	0.09	234.98	5	0.00	0.00	0.00	0.00	0.02	57.37
6	0.00	0.00	0.00	0.00	0.21	234.77	6	0.00	0.00	0.00	0.00	0.05	57.32
7	0.00	0.00	0.00	0.00	0.17	234.60	7	0.00	0.00	0.00	0.00	0.04	57.28
8	0.00	0.00	0.00	0.00	0.09	234.51	8	0.00	0.00	0.00	0.00	0.02	57.26
9	0.00	0.00	0.00	0.00	0.09	234.42	9	0.00	0.00	0.00	0.00	0.02	57.24
10	0.00	0.00	0.00	0.00	0.08	234.34	10	0.00	0.00	0.00	0.00	0.02	57.22
11	0.00	0.00	0.00	0.00	0.60	233.74	11	0.00	0.00	0.00	0.00	0.15	57.07
12	0.00	0.00	0.00	0.00	0.15	233.59	12	0.00	0.00	0.00	0.00	0.04	57.03
13	0.00	0.00	0.00	0.00	0.30	233.29	13	0.00	0.00	0.00	0.00	0.07	56.96
14	0.00	0.00	0.00	0.00	0.17	233.12	14	0.00	0.00	0.00	0.00	0.04	56.92
15	0.00	0.00	0.00	0.00	0.20	232.92	15	0.00	0.00	0.00	0.00	0.05	56.87
16	0.00	0.00	0.00	0.00	0.20	232.72	16	0.00	0.00	0.00	0.00	0.05	56.82
17	0.00	0.00	0.00	0.00	0.21	232.51	17	0.00	0.00	0.00	0.00	0.05	56.77
18	0.00	0.00	0.00	0.00	0.30	232.21	18	0.00	0.00	0.00	0.00	0.07	56.70
19	0.00	0.00	0.00	0.00	0.32	231.89	19	0.00	0.00	0.00	0.00	0.08	56.62
20	0.00	0.00	0.00	0.00	0.30	231.59	20	0.00	0.00	0.00	0.00	0.07	56.55
21	0.00	0.00	0.00	0.00	0.17	231.42	21	0.00	0.00	0.00	0.00	0.04	56.51
22	0.00	0.00	0.00	0.00	0.17	231.25	22	0.00	0.00	0.00	0.00	0.04	56.47
23	0.00	0.00	0.00	0.00	0.17	231.08	23	0.00	0.00	0.00	0.00	0.04	56.43
24	0.00	0.00	0.00	0.00	0.18	230.90	24	0.00	0.00	0.00	0.00	0.04	56.39
25	0.00	0.00	0.00	0.00	0.09	230.81	25	0.00	0.00	0.00	0.00	0.02	56.37
26	0.00	0.00	0.00	0.00	0.12	230.69	26	0.00	0.00	0.00	0.00	0.03	56.34
27	0.00	0.00	0.00	0.00	0.24	230.45	27	0.00	0.00	0.00	0.00	0.06	56.28
28	0.00	0.00	0.00	0.00	0.05	230.40	28	0.00	0.00	0.00	0.00	0.01	56.27
29	0.00	0.00	0.00	0.00	0.08	230.32	29	0.00	0.00	0.00	0.00	0.02	56.25
30	0.00	0.00	23.83	0.00	0.08	206.41	30	0.00	0.00	2.89	0.00	0.02	53.34
	0.00	0.01	23.83	18.55	5.69		0.00	0.00	2.89	0.00	1.37		

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						178.32							18.55
1	0.00	0.00	0.00	0.00	0.10	178.22	1	0.00	0.01	0.00	18.55	0.01	0.00
2	0.00	0.00	0.00	0.00	0.11	178.11	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.10	178.01	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.33	177.68	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.07	177.61	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.16	177.45	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.13	177.32	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.07	177.25	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.07	177.18	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.06	177.12	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.45	176.67	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.11	176.56	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.23	176.33	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.13	176.20	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.15	176.05	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.15	175.90	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.16	175.74	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.23	175.51	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.24	175.27	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.23	175.04	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.13	174.91	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.13	174.78	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.13	174.65	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.14	174.51	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.07	174.44	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.09	174.35	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.18	174.17	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.04	174.13	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.06	174.07	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	20.94	0.00	0.06	153.07	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	20.94	0.00	4.31		0.00	0.01	0.00	18.55	0.01		



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						206.41							53.34
1	0.00	247.40	0.00	0.00	0.08	453.73	1	0.00	13.59	0.00	0.00	0.02	66.91
2	0.00	0.77	0.00	0.00	0.21	454.29	2	0.00	0.00	0.00	0.00	0.03	66.88
3	0.00	0.77	0.00	0.00	0.32	454.74	3	0.00	0.00	0.00	0.00	0.05	66.83
4	0.00	0.77	0.00	0.00	0.35	455.16	4	0.00	0.00	0.00	0.00	0.05	66.78
5	0.00	0.77	0.00	0.00	0.53	455.40	5	0.00	0.00	0.00	0.00	0.08	66.70
6	0.00	0.77	0.00	0.00	0.48	455.69	6	0.00	0.00	0.00	0.00	0.07	66.63
7	0.00	0.77	0.00	0.00	0.49	455.97	7	0.00	0.00	0.00	0.00	0.07	66.56
8	0.00	0.77	0.00	0.00	0.50	456.24	8	0.00	0.00	0.00	0.00	0.07	66.49
9	0.00	0.77	0.00	0.00	0.70	456.31	9	0.00	0.00	0.00	0.00	0.10	66.39
10	0.00	0.77	0.00	0.00	0.66	456.42	10	0.00	0.00	0.00	0.00	0.10	66.29
11	0.00	0.77	0.00	0.00	1.02	456.17	11	0.00	0.00	0.00	0.00	0.15	66.14
12	0.00	0.77	0.00	0.00	0.58	456.36	12	0.00	0.00	0.00	0.00	0.08	66.06
13	0.00	635.59	0.00	0.00	0.13	1091.82	13	0.00	168.59	0.00	0.00	0.02	234.63
14	0.00	0.77	0.00	0.00	0.31	1092.28	14	0.00	0.00	0.00	0.00	0.07	234.56
15	0.00	0.77	0.00	0.00	0.32	1092.73	15	0.00	0.00	0.00	0.00	0.07	234.49
16	0.00	0.77	0.00	0.00	1.39	1092.11	16	0.00	0.00	0.00	0.00	0.30	234.19
17	0.00	0.77	0.00	0.00	2.37	1090.51	17	0.00	0.00	0.00	0.00	0.51	233.68
18	0.00	0.77	0.00	0.00	1.50	1089.78	18	0.00	0.00	0.00	0.00	0.32	233.36
19	0.00	0.77	0.00	0.00	1.43	1089.12	19	0.00	0.00	0.00	0.00	0.31	233.05
20	0.00	0.77	0.00	0.00	1.90	1087.99	20	0.00	0.00	0.00	0.00	0.41	232.64
21	0.00	0.77	0.00	0.00	1.93	1086.83	21	0.00	0.00	0.00	0.00	0.41	232.23
22	0.00	0.77	0.00	0.00	2.01	1085.59	22	0.00	0.00	0.00	0.00	0.43	231.80
23	0.00	0.77	0.00	0.00	1.47	1084.89	23	0.00	0.00	0.00	0.00	0.31	231.49
24	0.00	0.77	0.00	0.00	1.77	1083.89	24	0.00	0.00	0.00	0.00	0.38	231.11
25	0.00	0.77	0.00	0.00	0.94	1083.72	25	0.00	0.00	0.00	0.00	0.20	230.91
26	0.00	153.17	0.00	0.00	1.51	1235.38	26	0.00	8.37	0.00	0.00	0.32	238.96
27	0.00	0.77	0.00	0.00	1.49	1234.66	27	0.00	0.00	0.00	0.00	0.29	238.67
28	0.00	0.77	0.00	0.00	1.49	1233.94	28	0.00	0.00	0.00	0.00	0.29	238.38
29	0.00	0.77	0.00	0.00	1.50	1233.21	29	0.00	0.00	0.00	0.00	0.29	238.09
30	0.00	0.77	0.00	0.00	1.51	1232.47	30	0.00	0.00	0.00	0.00	0.29	237.80
31	0.00	0.68	30.14	0.00	1.28	1201.73	31	0.00	0.00	3.78	0.00	0.25	233.77
0.00	1057.63	30.14	0.00	0.00	32.17		0.00	190.55	3.78	0.00	0.00	6.34	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						153.07							0.00
1	0.00	233.81	0.00	0.00	0.06	386.82	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.18	386.64	2	0.00	0.77	0.00	0.00	0.00	0.77
3	0.00	0.00	0.00	0.00	0.27	386.37	3	0.00	0.77	0.00	0.00	0.00	1.54
4	0.00	0.00	0.00	0.00	0.30	386.07	4	0.00	0.77	0.00	0.00	0.00	2.31
5	0.00	0.00	0.00	0.00	0.45	385.62	5	0.00	0.77	0.00	0.00	0.00	3.08
6	0.00	0.00	0.00	0.00	0.41	385.21	6	0.00	0.77	0.00	0.00	0.00	3.85
7	0.00	0.00	0.00	0.00	0.42	384.79	7	0.00	0.77	0.00	0.00	0.00	4.62
8	0.00	0.00	0.00	0.00	0.42	384.37	8	0.00	0.77	0.00	0.00	0.01	5.38
9	0.00	0.00	0.00	0.00	0.59	383.78	9	0.00	0.77	0.00	0.00	0.01	6.14
10	0.00	0.00	0.00	0.00	0.55	383.23	10	0.00	0.77	0.00	0.00	0.01	6.90
11	0.00	0.00	0.00	0.00	0.85	382.38	11	0.00	0.77	0.00	0.00	0.02	7.65
12	0.00	0.00	0.00	0.00	0.49	381.89	12	0.00	0.77	0.00	0.00	0.01	8.41
13	0.00	466.23	0.00	0.00	0.11	848.01	13	0.00	0.77	0.00	0.00	0.00	9.18
14	0.00	0.00	0.00	0.00	0.24	847.77	14	0.00	0.77	0.00	0.00	0.00	9.95
15	0.00	0.00	0.00	0.00	0.25	847.52	15	0.00	0.77	0.00	0.00	0.00	10.72
16	0.00	0.00	0.00	0.00	1.08	846.44	16	0.00	0.77	0.00	0.00	0.01	11.48
17	0.00	0.00	0.00	0.00	1.84	844.60	17	0.00	0.77	0.00	0.00	0.02	12.23
18	0.00	0.00	0.00	0.00	1.16	843.44	18	0.00	0.77	0.00	0.00	0.02	12.98
19	0.00	0.00	0.00	0.00	1.10	842.34	19	0.00	0.77	0.00	0.00	0.02	13.73
20	0.00	0.00	0.00	0.00	1.47	840.87	20	0.00	0.77	0.00	0.00	0.02	14.48
21	0.00	0.00	0.00	0.00	1.49	839.38	21	0.00	0.77	0.00	0.00	0.03	15.22
22	0.00	0.00	0.00	0.00	1.55	837.83	22	0.00	0.77	0.00	0.00	0.03	15.96
23	0.00	0.00	0.00	0.00	1.14	836.69	23	0.00	0.77	0.00	0.00	0.02	16.71
24	0.00	0.00	0.00	0.00	1.36	835.33	24	0.00	0.77	0.00	0.00	0.03	17.45
25	0.00	0.00	0.00	0.00	0.72	834.61	25	0.00	0.77	0.00	0.00	0.02	18.20
26	0.00	144.03	0.00	0.00	1.16	977.48	26	0.00	0.77	0.00	0.00	0.03	18.94
27	0.00	0.00	0.00	0.00	1.18	976.30	27	0.00	0.77	0.00	0.00	0.02	19.69
28	0.00	0.00	0.00	0.00	1.18	975.12	28	0.00	0.77	0.00	0.00	0.02	20.44
29	0.00	0.00	0.00	0.00	1.19	973.93	29	0.00	0.77	0.00	0.00	0.02	21.19
30	0.00	0.00	0.00	0.00	1.19	972.74	30	0.00	0.77	0.00	0.00	0.03	21.93
31	0.00	0.00	26.36	0.00	1.01	945.37	31	0.00	0.68	0.00	0.00	0.02	22.59
0.00	844.07	26.36	0.00	0.00	25.41		0.00	23.01	0.00	0.00	0.00	0.42	

**Enclosure 2**

**Transit Loss Computation and Summary  
for  
Determination of Credits to Offset Depletions to Stateline Flows**

**Flow Readings (in cfs)**

Gage	April 27	April 28	April 29	April 30
JMR	794	1022	903	851
Lamar	78	378	307	180
Granada	36	90	264	286
Coolidge	100	96	155	185
Frontier D.	12	17	12	25

Antecedent Flows

**Transit Loss Computation**

Subreach	Antecedent Flow	Percent Transit Loss =	$miles \times \frac{\% \text{ loss}}{mile}$
JMR-Lamar (22.9 mi)	794	1.71%	22.9 x 0.0747 %/mi
Lamar-Granada (21.5 mi)	78	4.81%	21.5 x 0.2237 %/mi
Granada-Coolidge (18.3 mi)	90	5.01%	18.3 x 0.2738 %/mi
Subtotal		11.53%	
Adj Factor (209 cfs)		0.95	
Adj Factor (27.94 days)		0.72	
Total Transit Loss		7.89%	

**Summary of Release**

Release from Kansas Storage Charge subaccount = 0 acre-feet

Release from Kansas Consumable Water subaccount = 647.45 acre-feet

Release from Return Flow/Return Flow TL subaccounts = 0 acre-feet

Release from Colorado Upstream and Downstream Consumable Water subaccounts = 11,571.50 acre-feet

**Credit for Colorado Consumptive Use Water**

0.9211 x 11,571.50 (Consumptive Use Water) = 10,658.5 acre-feet credit

This credit is broken down as follows based on the principle of "first in-first out" accounting methods:

LAWMA CU Credit = 8,930 acre-feet      Stateline Deficit Credit = 1,728.5 acre-feet



# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

310 East Abriendo Ave., Suite B  
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July 19, 2005

Bill Owens  
Governor

Russell George  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Delivery to the Offset Account in John Martin Reservoir – Excelsior Ditch Water Right

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”) of a delivery of water to the Offset Account. This letter provides the reporting of deliveries to the Offset Account from the Arkansas Groundwater Users Association’s (AGUA) shares of the Excelsior Ditch first described in the letter of May 26, 2005, which provided the initial notice of the delivery of water from this replacement source.

**Excelsior Ditch operations pursuant to the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998**

AGUA began a delivery of fully consumable water measured through the Excelsior Ditch augmentation station on May 26, 2005. The return flow component was partially left in the river and measured at the augmentation station and partially delivered to AGUA’s recharge ponds under the Excelsior Ditch to prevent injury to downstream water rights by maintaining the quantity and timing of historic return flows.

The basic daily operation of the determination of the in-priority amount for the Excelsior Ditch, computation of the consumptive use portion, determination of transit losses and subsequent storage are described below:

1. Diversions of water to the Excelsior Ditch headgate were divided between irrigation and augmentation use on a pro-rata share basis. Canal losses were computed using H-I Model loss factors. Deliveries of water through the augmentation station and into AGUA’s recharge ponds was measured continuously and average daily values were computed from chart records by the Water District 14 Water Commissioner on a weekly basis.
2. Upon determination of the daily amount available to the Excelsior Ditch for diversion, the consumptive use factor was applied to determine the amount of consumable water available to be delivered and stored in John Martin Reservoir, left in the river for replacement of concurrent well depletions, or delivered to the recharge ponds to provide lagged replacement supply for AGUA’s plan. Since the Water Commissioner worked diversion data weekly, AGUA’s engineer asked that a conservative number be used to provide a steady release rate to the Offset Account for the duration of the delivery. This release rate was 11.9 cfs at the

Excelsior augmentation station. Division 2 River Operations staff computed a transit loss to the Offset Account of 10.5%.

3. The consumable portion less transit loss was then shown as an inflow to the Offset Account and deposited in the Colorado Upstream Consumable subaccount.
4. Dryup acreage is monitored by both Colorado and Kansas through site visits and by AGUA through coordination with the Excelsior Ditch owner.

**Summary**

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Excelsior Ditch for the period of the delivery. Consumable water was measured at the augmentation station from May 26, 2005 through June 7, 2005. Deliveries at John Martin Reservoir into the Offset Account occurred from May 29, 2005 through June 10, 2005. Enclosure 2 contains the calculation of transit losses.

Enclosure 3 contains the accounting sheets for the Offset Account for May and June 2005, indicating the delivery of water to the appropriate sub-account of the Offset Account. In order to repay LAWMA for the storage charge for 2005 operations, 5% of the delivered consumable water was subsequently transferred to the Colorado Downstream Consumable subaccount for the benefit of LAWMA.

Enclosure 4 provides a copy of information related to the historic consumptive use analysis for the Excelsior Ditch. This information was extracted from the AGUA Arkansas River replacement plan application dated March 1, 2005 provided to Dale Book, Kevin Salter and John Draper during the plan approval period in March of 2005.

The following table summarizes the deliveries of water into the Offset Account during the reporting period.

MONTH	Total C. U. Water (AF)	Payback to LAWMA (AF)	Net AGUA C. U. Water (AF)
May	61.60	3.09	58.51
June	211.20	9.54	201.66
Total	272.80	12.63	260.17

David L. Pope  
July 19, 2005

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The purpose of the delivery was to replace depletions to usable stateline flow attributable to AGUA's Replacement Plan Operations for 1997 through 2004 as determined by recent runs of the H-I Model that were not replaced by concurrent replacement operations under the AGUA replacement plans.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

4 Enclosures

cc:	Mark Rude	Kevin Salter	John Draper	Dale Straw
	Dale Book	Hal Simpson	Dennis Montgomery	Mark McLean
	Michelle Matthews	Brenda Fillmore	Jim Slattery	Don Higbee
	✓ Monique Morey	Joe Flory	Brian Boughton	John Van Oort



Enclosure 1

Excelsior Ditch Accounting for May and June

Computation of Excelsior Credits During Offset Account Delivery

Date	Headgate cfs	Aug Station cfs	Recharge Pond cfs	Actual Augmentation (Pond + Aug Station) cfs	Projected Augmentation (Pond + Aug Station) cfs	Actual CU cfs	Actual RF cfs	Actual Offset Account CU cfs	TL from Offset Account Deliveries cfs	Remaining CU cfs	Aug Station CU cfs	Pond CU cfs	Aug Station RF cfs	Pond RF cfs
26-May-05	35.44	16.79	8.26	25.05	26.75	16.32	8.73	8.88	1.04	6.40	4.29	2.11	5.85	2.88
27-May-05	46.44	21.35	9.66	31.01	32.10	20.21	10.80	10.65	1.25	8.31	5.72	2.59	7.44	3.36
28-May-05	48.96	23.07	8.56	31.63	32.10	20.61	11.02	10.65	1.25	8.71	6.35	2.36	8.04	2.98
29-May-05	38.90	18.37	8.27	26.64	32.10	17.36	9.28	10.65	1.25	5.46	3.77	1.70	6.40	2.88
30-May-05	38.79	18.37	8.96	27.33	32.10	17.81	9.52	10.65	1.25	5.91	3.97	1.94	6.40	3.12
31-May-05	36.20	22.49	8.61	31.10	32.10	20.27	10.83	10.65	1.25	8.37	6.05	2.32	7.83	3.00
1-Jun-05	36.28	20.67	4.67	25.34	32.10	16.51	8.83	10.65	1.25	4.61	3.76	0.85	7.20	1.63
2-Jun-05	35.66	19.34	4.59	23.93	32.10	15.59	8.34	10.65	1.25	3.69	2.99	0.71	6.74	1.60
3-Jun-05	40.07	20.00	9.02	29.02	32.10	18.91	10.11	10.65	1.25	7.01	4.83	2.18	6.97	3.14
4-Jun-05	39.69	17.10	12.19	29.29	32.10	19.09	10.20	10.65	1.25	7.19	4.20	2.99	5.96	4.25
5-Jun-05	39.77	16.79	12.36	29.15	32.10	19.00	10.15	10.65	1.25	7.10	4.09	3.01	5.85	4.31
6-Jun-05	41.62	17.10	10.50	27.60	32.10	17.99	9.61	10.65	1.25	6.09	3.77	2.32	5.96	3.66
7-Jun-05	42.23	17.88	14.33	32.21	32.10	20.99	11.22	10.65	1.25	9.09	5.05	4.04	6.23	4.99

## Planned Excelsior Ditch Operations, 2005 Irrigation Season

= Input Cells

### Shares

AGUA Shares for Augmentation	1,792 shares	
Evans Shares for Augmentation	1,210 shares	
Shares Used for Augmentation	3,002 shares	90.07 percent
Evans Shares for Irrigation	331 shares	9.93 percent
Total All Shares	3,333 shares	100.00 percent

### Recharge Pond Data

Total Area (Ponds 1-3)	14.6 acres
Unit Recharge Cap.	1 cfs/acre
Total Recharge Cap.	14.6 cfs
Total Recharge Cap.	29.0 ac-ft/day

### Factors (from 04CW062)

Ditch Loss Factor	11 percent	11	26.75
Consumptive Use Factor	57.85 percent	58	47.6125
Surface Runoff Factor	15.575 percent	15.5	12.81875
Deep Percolation Factor	15.575 percent	15.5	12.81875
Total All Factors	100 percent		

### Diversions

	Total Ditch	Augmentation Shares	Irrigation Shares
Headgate Diversion Rate	<span style="border: 1px solid black;">40.0</span> cfs	36.0 cfs	4.0 cfs
Ditch Loss Part	4.4 cfs	4.0 cfs	0.4 cfs
Consumptive Use (CU) Part	23.1 cfs	20.8 cfs	2.3 cfs
Surface Runoff Part	6.2 cfs	5.6 cfs	0.6 cfs
Deep Percolation Part	6.2 cfs	5.6 cfs	0.6 cfs
Totals	40.0 cfs	36.0 cfs	4.0 cfs

### Operations

	Total Ditch	Augmentation Shares	Irrigation Shares
Percent CU to Recharge:	<span style="border: 1px solid black;">100</span> %		
Percent CU to Augmentation:	0 %		
Return Augmentation Station			
Surface Runoff Part	5.6 cfs	5.6 cfs	
Excess CU Part	11.9 cfs	11.9 cfs	
Subtotal to Aug Sta	17.5 cfs	17.5 cfs	
Left in Ditch for Ditch Loss	4.4 cfs	4.0 cfs	0.4 cfs
Left in Ditch for Irrigation	3.5 cfs		3.5 cfs
Recharge Pond Deliveries			
Deep Percolation	5.6 cfs	5.6 cfs	
Consumptive Use	9.0 cfs	9.0 cfs	
Subtotal to Recharge	14.6 cfs	14.6 cfs	
Totals	40.0 cfs	36.0 cfs	4.0 cfs

### Summary of Deliveries

Delivery Through Aug Station	<span style="border: 1px solid black;">17.5</span> cfs	CU through Aug Station	<span style="border: 1px solid black;">11.9</span> cfs
Delivery to Recharge	<span style="border: 1px solid black;">14.6</span> cfs	CU to Recharge	<span style="border: 1px solid black;">9.0</span> cfs
Useable for Irrigation	3.5 cfs		
Lost to Ditch Seepage	4.4 cfs		
Total All Deliveries	40.0 cfs		

Excelsior Aug Station			
DATE	CFS	AF	AF
1-May-05	0.00	0.00	0.00
2-May-05	0.00	0.00	0.00
3-May-05	0.00	0.00	0.00
4-May-05	0.00	0.00	0.00
5-May-05	0.00	0.00	0.00
6-May-05	0.00	0.00	0.00
7-May-05	0.00	0.00	0.00
8-May-05	0.00	0.00	0.00
9-May-05	0.00	0.00	0.00
10-May-05	0.00	0.00	0.00
11-May-05	0.00	0.00	0.00
12-May-05	0.00	0.00	0.00
13-May-05	0.00	0.00	0.00
14-May-05	0.00	0.00	0.00
15-May-05	0.00	0.00	0.00
16-May-05	0.00	0.00	0.00
17-May-05	0.00	0.00	0.00
18-May-05	0.00	0.00	0.00
19-May-05	0.00	0.00	0.00
20-May-05	0.00	0.00	0.00
21-May-05	0.00	0.00	0.00
22-May-05	0.00	0.00	0.00
23-May-05	3.12	6.19	
24-May-05	5.57	11.05	
25-May-05	6.64	13.17	
26-May-05	16.79	33.30	
27-May-05	21.35	42.35	
28-May-05	23.07	45.76	
29-May-05	18.37	36.44	
30-May-05	18.37	36.44	
31-May-05	22.49	44.61	

Excelsior Headgate									
DATE	GROSS DIVERSION CFS	AF	OFFSET ACCT WATER-CFS	OVER DIVERSION	AUG STATION	REPLACEMENT		REPLACEMENT	
						BASIS-CFS	AF	BASIS-CFS	AF
1-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
2-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
3-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
4-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
5-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
6-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
7-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
8-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
9-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
10-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
11-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
12-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
13-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
14-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
15-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
16-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
17-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
18-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
19-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
20-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
21-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
22-May-05	0.00	0.00		0.00		0.00	0.00	0.00	0.00
23-May-05	13.66	27.09		0.00		13.66	27.09		
24-May-05	17.91	35.52		0.00		17.91	35.52		
25-May-05	22.14	43.91		0.00		22.14	43.91		
26-May-05	35.44	70.30	13.38	0.00		22.06	43.77		
27-May-05	46.44	92.11	16.04	0.00		30.40	60.29		
28-May-05	48.96	97.11	16.04	0.00		32.92	65.29		
29-May-05	38.90	77.16	16.04	0.00		22.86	45.33		
30-May-05	38.79	76.94	16.04	0.00		22.75	45.11		
31-May-05	36.20	71.80	16.04	1.00		19.16	37.99		
				591.96		:Total for the Month		404.32	
				3151.52		:Total for year			

Excelsior Recharge Facility			
DATE	CFS	AF	AF
1-May-05	0.00	0.00	0.00
2-May-05	0.00	0.00	0.00
3-May-05	0.00	0.00	0.00
4-May-05	0.00	0.00	0.00
5-May-05	0.00	0.00	0.00
6-May-05	0.00	0.00	0.00
7-May-05	0.00	0.00	0.00
8-May-05	0.00	0.00	0.00
9-May-05	0.00	0.00	0.00
10-May-05	0.00	0.00	0.00
11-May-05	0.00	0.00	0.00
12-May-05	0.00	0.00	0.00
13-May-05	0.00	0.00	0.00
14-May-05	0.00	0.00	0.00
15-May-05	0.00	0.00	0.00
16-May-05	0.00	0.00	0.00
17-May-05	0.00	0.00	0.00
18-May-05	0.00	0.00	0.00
19-May-05	0.00	0.00	0.00
20-May-05	0.00	0.00	0.00
21-May-05	0.00	0.00	0.00
22-May-05	0.00	0.00	0.00
23-May-05	0.00	0.00	0.00
24-May-05	3.12	6.19	
25-May-05	5.07	10.06	
26-May-05	8.26	16.38	
27-May-05	9.66	19.16	
28-May-05	8.56	16.98	
29-May-05	8.27	16.40	
30-May-05	8.96	17.77	
31-May-05	8.61	17.08	

Pond #1 was FULL on 5/26/05 @ 17:00 hr  
Pond #2 was FULL on 5/31/05 @ 10:00 hr  
Pond #3 was FULL on

Excelsior Aug Station			
DATE	CFS	AF	AF
1-Jun-05	20.67	41.00	
2-Jun-05	19.34	38.36	
3-Jun-05	20.00	39.67	
4-Jun-05	17.10	33.92	
5-Jun-05	16.79	33.30	
6-Jun-05	17.10	33.92	
7-Jun-05	17.88	35.46	
8-Jun-05	3.46	6.86	
9-Jun-05	0.00	0.00	
10-Jun-05	0.00	0.00	
11-Jun-05	0.00	0.00	
12-Jun-05	0.00	0.00	
13-Jun-05	0.00	0.00	
14-Jun-05	0.00	0.00	
15-Jun-05	0.00	0.00	
16-Jun-05	0.00	0.00	
17-Jun-05	0.00	0.00	
18-Jun-05	0.00	0.00	
19-Jun-05	0.00	0.00	
20-Jun-05	0.00	0.00	
21-Jun-05	2.54	5.04	
22-Jun-05	29.32	58.16	
23-Jun-05	28.18	55.90	
24-Jun-05	9.48	18.80	
25-Jun-05	3.12	6.19	
26-Jun-05	3.12	6.19	
27-Jun-05	3.46	6.86	
28-Jun-05		0.00	
29-Jun-05		0.00	
30-Jun-05		0.00	

Excelsior Headgate									
DATE	GROSS DIVERSION CFS	AF	WATER-CFS	OFFSET ACCT	OVER DIVERSION	AUG STATION	REPLACEMENT BASIS-CFS	PLACEMENT BASIS-CFS	REPLACEMENT BASIS-AF
1-Jun-05	36.28	71.96	16.04		0.00		20.24	40.14	
2-Jun-05	35.66	70.73	16.04		0.00		19.62	38.91	
3-Jun-05	40.07	79.48	16.04		0.00		24.03	47.65	
4-Jun-05	39.69	78.73	16.04		0.00		23.65	46.90	
5-Jun-05	39.77	78.88	16.04		0.00		23.73	47.06	
6-Jun-05	41.62	82.55	16.04		0.00		25.58	50.73	
7-Jun-05	42.23	83.76	16.04		0.00		26.19	51.94	
8-Jun-05	6.48	12.85			0.00		6.48	12.85	
9-Jun-05	0.00	0.00			0.00		0.00	0.00	
10-Jun-05	0.00	0.00			0.00		0.00	0.00	
11-Jun-05	0.00	0.00			0.00		0.00	0.00	
12-Jun-05	0.00	0.00			0.00		0.00	0.00	
13-Jun-05	0.00	0.00			0.00		0.00	0.00	
14-Jun-05	0.00	0.00			0.00		0.00	0.00	
15-Jun-05	0.00	0.00			0.00		0.00	0.00	
16-Jun-05	0.00	0.00			0.00		0.00	0.00	
17-Jun-05	0.00	0.00			0.00		0.00	0.00	
18-Jun-05	0.00	0.00			0.00		0.00	0.00	
19-Jun-05	0.00	0.00			0.00		0.00	0.00	
20-Jun-05	3.45	6.84			0.00		3.45	6.84	
21-Jun-05	19.83	39.33			0.00		19.83	39.33	
22-Jun-05	62.04	123.06			0.00		62.04	123.06	
23-Jun-05	56.21	111.49			0.00		56.21	111.49	
24-Jun-05	28.97	57.46			0.00		28.97	57.46	
25-Jun-05	19.30	38.28			0.00		19.30	38.28	
26-Jun-05	18.04	35.78			0.00		18.04	35.78	
27-Jun-05	19.30	38.28			0.00		19.30	38.28	
28-Jun-05		0.00			0.00		0.00	0.00	
29-Jun-05		0.00			0.00		0.00	0.00	
30-Jun-05		0.00			0.00		0.00	0.00	
									1009.48

: Total for the Month

Total for year: 3151.52

Pond #1 was FULL on  
 Pond #2 was FULL on  
 Pond #3 was FULL on

Excelsior Recharge Facility				
DATE	CFS	AF	AF	AF
1-Jun-05	4.67	9.26		
2-Jun-05	4.59	9.10		
3-Jun-05	9.02	17.89		
4-Jun-05	12.19	24.18		
5-Jun-05	12.36	24.52		
6-Jun-05	10.50	20.83		
7-Jun-05	14.33	28.42		
8-Jun-05	7.49	14.86		
9-Jun-05	0.26	0.52		
10-Jun-05	0.00	0.00		
11-Jun-05	0.00	0.00		
12-Jun-05	0.00	0.00		
13-Jun-05	0.00	0.00		
14-Jun-05	0.00	0.00		
15-Jun-05	0.00	0.00		
16-Jun-05	0.00	0.00		
17-Jun-05	0.00	0.00		
18-Jun-05	0.00	0.00		
19-Jun-05	0.00	0.00		
20-Jun-05	0.00	0.00		
21-Jun-05	5.41	10.73		
22-Jun-05	12.76	25.31		
23-Jun-05	12.00	23.80		
24-Jun-05	12.19	24.18		
25-Jun-05	9.82	19.48		
26-Jun-05	9.30	18.45		
27-Jun-05	8.96	17.77		
28-Jun-05		0.00		
29-Jun-05		0.00		
30-Jun-05		0.00		

Enclosure 2

Transit Loss Calculations

TRANSIT LOSS AND TRAVEL TIME

BASE RELEASE

For Site No.: 20 John Martin Dam

Release date: [redacted]  
 Release time: [redacted] (24hr clock)  
 Diversion Mile: 142.2 miles  
 Base Release: [redacted] cfs  
 Type Of Water: [redacted]  
 Duration: [redacted] Days  
 Adjustment for summer release = 1

SubReach	Station	Antecedent Streamflow	Reach	Percent transit loss	Projected Elapsed Hours	Projected arrival at Diversion		
						Date	Time	
1	ARKPUECO	2180		1.83	3.83	5/26/2005	11:49	
2	ARKAVOCO	2900		1.12	4.16	5/26/2005	15:59	
3	ARKNEPCO	1980		1.31	6.04	5/26/2005	22:01	
4	ARKCATCO	1830		1.83	(9.28)*	5/26/2005	7:18	
5	ARKLAJCO	1190		1.91	5.93	5/27/2005	13:14	
6	ARKLASCO	750	6>	1.73	3.52	5/27/2005	16:45	
Subtotal					9.72% (+/-)	32.76(+/-)	hrs.	

Adjustment factor for base release of 12.08 cfs = 1.06  
 Adjustment factor for release duration of 7 day(s) = 1.15  
 Adjusted transit loss to site number 20 = 11.84868 %. For a reservoir release of 12.08 cfs, the diversion at site number 20 = 10.65 cfs

**\*Values in this range are approximate.**

Transit4.xls rlp 6/24/99 RRelease

Excelsior CU returned through augmentation station = 11.90 cfs

Start time = 0800 hrs on 5/26/05

Net at JMR = 10.65 cfs = 21.12 AF

Transit loss = 10.50 %

Travel Time = 72 hours - 6 hours = 66 hours

Arrival @ JMR = 05/29/2005 @ 0200 hrs

Distance from PuerresCo to Excelsior = 16 miles  $\frac{16 \text{ miles}}{2.62 \text{ mph}} = 6.1069 \text{ hours}$

" " " " Avondale = 23.6 miles  $\frac{23.6 \text{ miles}}{9 \text{ hours}} = 2.62 \text{ miles per hour}$

Travel Time from PuerresCo to Avondale  $\cong 9 \text{ hours}$  at 2000 cfs Release Rate from PuerresCo  
 05/24/05 : 1200 2100  $\Delta = 9 \text{ hours}$

Distance to CO Canal = 29.8 miles / 2.62 mph = 11.37 hours Travel Time

Distance to JMR = 142.2 miles / 2.62 mph = 54.27 hours

TRANSIT LOSS AND TRAVEL TIME

BASE RELEASE

For Site No.: 04 Excelsior canal headgate

Release date: [REDACTED]  
 Release time: [REDACTED] (24hr clock)  
 Diversion Mile: 16.0 miles  
 Base Release: [REDACTED] cfs  
 Type Of Water: [REDACTED]  
 Duration: [REDACTED] Days  
 Adjustment for summer release = 1

SubReach	Station	Antecedent Streamflow	Reach	Percent transit loss	Projected Elapsed Hours	Projected arrival at Diversion	
						Date	Time
1	ARKPUECO	2180	1>	1.22	2.55	5/26/2005	10:32
2	ARKAVOCO	2900					
3	ARKNEPCO	1980					
4	ARKCATCO	1830					
5	ARKLAJCO	1190					
6	ARKLASCO	750					
Subtotal				1.22%	2.55 hrs.		

Adjustment factor for base release of 12.08 cfs = 1.06  
 Adjustment factor for release duration of 7 day(s) = 1.15  
 Adjusted transit loss to site number 04 = 1.48718 %. For a reservoir release of 12.08 cfs, the diversion at site number 04 = 11.9 cfs

Transit4.xls rlp 6/24/99 RRelease



TRANSIT LOSS AND TRAVEL TIME

DIVERSION RELEASE

For Site No.: 04 Excelsior canal headgate

Release date: [REDACTED]  
 Release time: [REDACTED] (24hr clock)  
 Diversion Mile: 16.0 miles  
 Diversion amt.: [REDACTED] cfs  
 Type Of Water: [REDACTED]  
 Duration: [REDACTED] Days

Adjustment for summer release = 1

SubReach	Station	Antecedent Streamflow	Reach	Percent transit loss	Projected Elapsed Hours	Projected arrival at Diversion	
						Date	Time (24hr)
1	ARKPUECO	[REDACTED]	1>	1.22	2.55	5/26/2005	10:32
2	ARKAVOCO	[REDACTED]					
3	ARKNEPCO	[REDACTED]					
4	ARKCATCO	[REDACTED]					
5	ARKLAJCO	[REDACTED]					
6	ARKLASCO	[REDACTED]					
Subtotal				1.22%	2.55 hrs		

Adjustment factor for Diversion amt. of 11.9 cfs = 1.06  
 Adjustment factor for release duration of 7 day(s) = 1.15  
 Adjusted transit loss to site number 04 = 1.48718 %. For a diversion of 11.9 cfs, the base release required at Pueblo Reservoir = 12.08 cfs

TRANSIT LOSS AND TRAVEL TIME

BASE RELEASE

For Site No.: 17 Station 07123000 Arkansas River at La Junta

Release date: 5/26/2005  
 Release time: 8:00:00 (24hr clock)  
 Diversion Mile: 94.4 miles  
 Base Release: 12.08 cfs  
 Type Of Water: Reservoir  
 Duration: 7 Days  
 Adjustment for summer release = 1

SubReach	Station	Antecedent Streamflow	Reach	Percent transit loss	Projected Elapsed Hours	Projected arrival at Diversion		
						Date	Time	
1	ARKPUECO	2180		1.83	3.83	5/26/2005	11:49	
2	ARKAVOCO	2900		1.12	4.16	5/26/2005	15:59	
3	ARKNEPCO	1980		1.31	6.04	5/26/2005	22:01	
4	ARKCATCO	1830	4>	1.84	(9.28)*	5/26/2005	7:18	
5	ARKLAJCO	4190						
6	ARKLASCO	750						
Subtotal					6.09% (+/-)	23.31(+/-) hrs.		

Adjustment factor for base release of 12.08 cfs = 1.06  
 Adjustment factor for release duration of 7 day(s) = 1.15  
 Adjusted transit loss to site number 17 = 7.42371 %. For a reservoir release of 12.08 cfs, the diversion at site number 17 = 11.18 cfs

**\*Values in this range are approximate.**

Transit4.xls rlp 6/24/99 RRelease

Enclosure 3

John Martin Offset Accounting for May-June 2005

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						8339.19							0.00							650.67
1	74.02	679.71	0.00	357.03	3.33	8732.56	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.26	650.41
2	51.28	0.77	0.77	401.66	4.12	8378.06	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.31	650.10
3	51.26	0.77	0.77	436.37	5.94	7987.01	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.46	649.64
4	51.26	0.77	0.77	436.37	6.29	7595.61	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.51	649.13
5	51.26	0.77	0.77	436.37	8.85	7201.65	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.76	648.37
6	51.26	0.77	0.77	436.37	7.68	6808.86	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	436.37	0.69	211.31
7	51.26	0.77	0.77	436.37	7.38	6416.37	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	211.08	0.23	0.00
8	51.26	0.77	0.77	436.37	6.97	6024.29	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	51.29	0.77	0.77	414.06	9.31	5652.21	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	51.26	0.77	0.77	396.70	8.17	5298.60	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	51.26	0.77	0.77	396.70	11.82	4941.34	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	51.26	0.77	0.77	396.70	6.34	4589.56	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	51.26	1536.17	0.77	396.70	1.30	5778.23	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	51.26	0.77	0.77	396.70	1.65	5431.14	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	49.85	0.77	0.77	396.70	1.58	5082.71	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	49.35	0.77	0.77	396.70	6.48	4728.88	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	49.42	0.77	0.77	396.70	10.26	4371.34	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	47.87	0.77	0.77	396.70	6.02	4016.49	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	46.63	0.77	0.77	396.70	5.27	3661.15	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	48.96	0.77	0.77	396.70	6.40	3307.01	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	48.96	0.77	0.77	396.70	5.86	2953.41	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	48.96	0.77	0.77	396.70	5.46	2600.21	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	46.04	0.77	0.77	396.70	3.53	2246.02	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	39.85	0.77	0.77	396.70	3.66	1885.51	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	46.28	0.77	0.77	165.29	1.63	1764.87	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	46.57	548.83	130.11	0.00	2.46	2227.69	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	129.34	0.00	0.00	0.00	129.34
27	46.74	0.77	0.77	0.00	2.69	2271.74	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.16	129.18
28	46.74	0.77	0.77	0.00	2.75	2315.73	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.16	129.02
29	66.14	1.74	1.74	0.00	2.82	2379.05	29	19.36	0.00	0.97	0.00	0.00	18.39	29	0.00	0.00	0.00	0.00	0.16	128.86
30	67.92	1.83	1.83	0.00	2.91	2444.06	30	21.12	0.00	1.06	0.00	0.02	38.43	30	0.00	0.00	0.00	0.00	0.16	128.70
31	65.45	31.88	31.88	0.00	2.54	2506.97	31	21.12	0.00	1.06	0.00	0.04	58.45	31	0.00	30.14	0.00	0.00	0.13	158.71
1602.18 2819.41 185.58 9906.76 161.47							61.60 0.00 3.09 0.00 0.06							0.00 159.48 0.00 647.45 3.99						

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						8132.78							6956.48							525.63
1	74.02	432.31	0.00	357.03	3.25	8278.83	1	74.02	432.31	0.00	357.03	2.78	7103.00	1	0.00	0.00	0.00	0.00	0.21	525.42
2	51.28	0.00	0.77	401.66	3.91	7923.77	2	51.28	0.00	0.77	401.66	3.35	6748.50	2	0.00	0.00	0.00	0.00	0.25	525.17
3	51.26	0.00	0.77	436.37	5.62	7532.27	3	51.26	0.00	0.77	436.37	4.79	6357.83	3	0.00	0.00	0.00	0.00	0.37	524.80
4	51.26	0.00	0.77	436.37	5.94	7140.45	4	51.26	0.00	0.77	436.37	5.02	5966.93	4	0.00	0.00	0.00	0.00	0.41	524.39
5	51.26	0.00	0.77	436.37	8.32	6746.25	5	51.26	0.00	0.77	436.37	6.95	5574.10	5	0.00	0.00	0.00	0.00	0.61	523.78
6	51.26	0.00	0.77	436.37	7.20	6353.17	6	51.26	0.00	0.77	0.00	5.95	5618.64	6	0.00	0.00	0.00	0.00	0.56	523.22
7	51.26	0.00	0.77	436.37	6.89	5960.40	7	51.26	0.00	0.77	225.29	6.09	5437.75	7	0.00	0.00	0.00	0.00	0.57	522.65
8	51.26	0.00	0.77	436.37	6.47	5568.05	8	51.26	0.00	0.77	436.37	5.90	5045.97	8	0.00	0.00	0.00	0.00	0.57	522.08
9	51.29	0.00	0.77	414.06	8.61	5195.90	9	51.29	0.00	0.77	414.06	7.80	4674.63	9	0.00	0.00	0.00	0.00	0.81	521.27
10	51.26	0.00	0.77	396.70	7.51	4842.18	10	51.26	0.00	0.77	396.70	6.76	4321.66	10	0.00	0.00	0.00	0.00	0.75	520.52
11	51.26	0.00	0.77	396.70	10.80	4485.17	11	51.26	0.00	0.77	396.70	9.64	3965.81	11	0.00	0.00	0.00	0.00	1.16	519.36
12	51.26	0.00	0.77	396.70	5.76	4133.20	12	51.26	0.00	0.77	396.70	5.09	3614.51	12	0.00	0.00	0.00	0.00	0.67	518.69
13	51.26	900.58	0.77	396.70	1.17	4686.40	13	51.26	900.58	0.77	396.70	1.02	4167.86	13	0.00	0.00	0.00	0.00	0.15	518.54
14	51.26	0.00	0.77	396.70	1.34	4338.85	14	51.26	0.00	0.77	396.70	1.19	3820.46	14	0.00	0.00	0.00	0.00	0.15	518.39
15	49.85	0.00	0.77	396.70	1.26	3989.97	15	49.85	0.00	0.77	396.70	1.11	3471.73	15	0.00	0.00	0.00	0.00	0.15	518.24
16	49.35	0.00	0.77	396.70	5.09	3636.76	16	49.35	0.00	0.77	396.70	4.43	3119.18	16	0.00	0.00	0.00	0.00	0.66	517.58
17	49.42	0.00	0.77	396.70	7.89	3280.82	17	49.42	0.00	0.77	396.70	6.77	2764.36	17	0.00	0.00	0.00	0.00	1.12	516.46
18	47.87	0.00	0.77	396.70	4.52	2926.70	18	47.87	0.00	0.77	396.70	3.81	2410.95	18	0.00	0.00	0.00	0.00	0.71	515.75
19	46.63	0.00	0.77	396.70	3.84	2572.02	19	46.63	0.00	0.77	396.70	3.16	2056.95	19	0.00	0.00	0.00	0.00	0.68	515.07
20	48.96	0.00	0.77	396.70	4.50	2219.01	20	48.96	0.00	0.77	396.70	3.60	1704.84	20	0.00	0.00	0.00	0.00	0.90	514.17
21	48.96	0.00	0.77	396.70	3.93	1866.57	21	48.96	0.00	0.77	396.70	3.02	1353.31	21	0.00	0.00	0.00	0.00	0.91	513.26
22	48.96	0.00	0.77	396.70	3.45	1514.61	22	48.96	0.00	0.77	396.70	2.50	1002.30	22	0.00	0.00	0.00	0.00	0.95	512.31
23	46.04	0.00	0.77	396.70	2.06	1161.12	23	46.04	0.00	0.77	396.70	1.36	649.51	23	0.00	0.00	0.00	0.00	0.70	511.61
24	39.85	0.00	0.77	396.70	1.89	801.61	24	39.85	0.00	0.77	396.70	1.06	290.83	24	0.00	0.00	0.00	0.00	0.83	510.78
25	46.28	0.00	0.77	165.29	0.69	681.14	25	46.28	0.00	0.77	165.29	0.25	170.80	25	0.00	0.00	0.00	0.00	0.44	510.34
26	46.57	395.66	130.11	0.00	0.95	992.31	26	46.57	266.32	130.11	0.00									

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						206.41							53.34
1	0.00	247.40	0.00	0.00	0.08	453.73	1	0.00	13.59	0.00	0.00	0.02	66.91
2	0.00	0.77	0.00	0.00	0.21	454.29	2	0.00	0.00	0.00	0.00	0.03	66.88
3	0.00	0.77	0.00	0.00	0.32	454.74	3	0.00	0.00	0.00	0.00	0.05	66.83
4	0.00	0.77	0.00	0.00	0.35	455.16	4	0.00	0.00	0.00	0.00	0.05	66.78
5	0.00	0.77	0.00	0.00	0.53	455.40	5	0.00	0.00	0.00	0.00	0.08	66.70
6	0.00	0.77	0.00	0.00	0.48	455.69	6	0.00	0.00	0.00	0.00	0.07	66.63
7	0.00	0.77	0.00	0.00	0.49	455.97	7	0.00	0.00	0.00	0.00	0.07	66.56
8	0.00	0.77	0.00	0.00	0.50	456.24	8	0.00	0.00	0.00	0.00	0.07	66.49
9	0.00	0.77	0.00	0.00	0.70	456.31	9	0.00	0.00	0.00	0.00	0.10	66.39
10	0.00	0.77	0.00	0.00	0.66	456.42	10	0.00	0.00	0.00	0.00	0.10	66.29
11	0.00	0.77	0.00	0.00	1.02	456.17	11	0.00	0.00	0.00	0.00	0.15	66.14
12	0.00	0.77	0.00	0.00	0.58	456.36	12	0.00	0.00	0.00	0.00	0.08	66.06
13	0.00	635.59	0.00	0.00	0.13	1091.82	13	0.00	168.59	0.00	0.00	0.02	234.63
14	0.00	0.77	0.00	0.00	0.31	1092.28	14	0.00	0.00	0.00	0.00	0.07	234.56
15	0.00	0.77	0.00	0.00	0.32	1092.73	15	0.00	0.00	0.00	0.00	0.07	234.49
16	0.00	0.77	0.00	0.00	1.39	1092.11	16	0.00	0.00	0.00	0.00	0.30	234.19
17	0.00	0.77	0.00	0.00	2.37	1090.51	17	0.00	0.00	0.00	0.00	0.51	233.68
18	0.00	0.77	0.00	0.00	1.50	1089.78	18	0.00	0.00	0.00	0.00	0.32	233.36
19	0.00	0.77	0.00	0.00	1.43	1089.12	19	0.00	0.00	0.00	0.00	0.31	233.05
20	0.00	0.77	0.00	0.00	1.90	1087.99	20	0.00	0.00	0.00	0.00	0.41	232.64
21	0.00	0.77	0.00	0.00	1.93	1086.83	21	0.00	0.00	0.00	0.00	0.41	232.23
22	0.00	0.77	0.00	0.00	2.01	1085.59	22	0.00	0.00	0.00	0.00	0.43	231.80
23	0.00	0.77	0.00	0.00	1.47	1084.89	23	0.00	0.00	0.00	0.00	0.31	231.49
24	0.00	0.77	0.00	0.00	1.77	1083.89	24	0.00	0.00	0.00	0.00	0.38	231.11
25	0.00	0.77	0.00	0.00	0.94	1083.72	25	0.00	0.00	0.00	0.00	0.20	230.91
26	0.00	153.17	0.00	0.00	1.51	1235.38	26	0.00	8.37	0.00	0.00	0.32	238.96
27	0.00	0.77	0.00	0.00	1.49	1234.66	27	0.00	0.00	0.00	0.00	0.29	238.67
28	0.00	0.77	0.00	0.00	1.49	1233.94	28	0.00	0.00	0.00	0.00	0.29	238.38
29	0.00	0.77	0.00	0.00	1.50	1233.21	29	0.00	0.00	0.00	0.00	0.29	238.09
30	0.00	0.77	0.00	0.00	1.51	1232.47	30	0.00	0.00	0.00	0.00	0.29	237.80
31	0.00	0.68	30.14	0.00	1.28	1201.73	31	0.00	0.00	3.78	0.00	0.25	233.77
	0.00	1057.63	30.14	0.00	32.17			0.00	190.55	3.78	0.00	6.34	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						153.07							0.00
1	0.00	233.81	0.00	0.00	0.06	386.82	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.18	386.64	2	0.00	0.77	0.00	0.00	0.00	0.77
3	0.00	0.00	0.00	0.00	0.27	386.37	3	0.00	0.77	0.00	0.00	0.00	1.54
4	0.00	0.00	0.00	0.00	0.30	386.07	4	0.00	0.77	0.00	0.00	0.00	2.31
5	0.00	0.00	0.00	0.00	0.45	385.62	5	0.00	0.77	0.00	0.00	0.00	3.08
6	0.00	0.00	0.00	0.00	0.41	385.21	6	0.00	0.77	0.00	0.00	0.00	3.85
7	0.00	0.00	0.00	0.00	0.42	384.79	7	0.00	0.77	0.00	0.00	0.00	4.62
8	0.00	0.00	0.00	0.00	0.42	384.37	8	0.00	0.77	0.00	0.00	0.01	5.38
9	0.00	0.00	0.00	0.00	0.59	383.78	9	0.00	0.77	0.00	0.00	0.01	6.14
10	0.00	0.00	0.00	0.00	0.55	383.23	10	0.00	0.77	0.00	0.00	0.01	6.90
11	0.00	0.00	0.00	0.00	0.85	382.38	11	0.00	0.77	0.00	0.00	0.02	7.65
12	0.00	0.00	0.00	0.00	0.49	381.89	12	0.00	0.77	0.00	0.00	0.01	8.41
13	0.00	466.23	0.00	0.00	0.11	848.01	13	0.00	0.77	0.00	0.00	0.00	9.18
14	0.00	0.00	0.00	0.00	0.24	847.77	14	0.00	0.77	0.00	0.00	0.00	9.95
15	0.00	0.00	0.00	0.00	0.25	847.52	15	0.00	0.77	0.00	0.00	0.00	10.72
16	0.00	0.00	0.00	0.00	1.08	846.44	16	0.00	0.77	0.00	0.00	0.01	11.48
17	0.00	0.00	0.00	0.00	1.84	844.60	17	0.00	0.77	0.00	0.00	0.02	12.23
18	0.00	0.00	0.00	0.00	1.16	843.44	18	0.00	0.77	0.00	0.00	0.02	12.98
19	0.00	0.00	0.00	0.00	1.10	842.34	19	0.00	0.77	0.00	0.00	0.02	13.73
20	0.00	0.00	0.00	0.00	1.47	840.87	20	0.00	0.77	0.00	0.00	0.02	14.48
21	0.00	0.00	0.00	0.00	1.49	839.38	21	0.00	0.77	0.00	0.00	0.03	15.22
22	0.00	0.00	0.00	0.00	1.55	837.83	22	0.00	0.77	0.00	0.00	0.03	15.96
23	0.00	0.00	0.00	0.00	1.14	836.69	23	0.00	0.77	0.00	0.00	0.02	16.71
24	0.00	0.00	0.00	0.00	1.36	835.33	24	0.00	0.77	0.00	0.00	0.03	17.45
25	0.00	0.00	0.00	0.00	0.72	834.61	25	0.00	0.77	0.00	0.00	0.02	18.20
26	0.00	144.03	0.00	0.00	1.16	977.48	26	0.00	0.77	0.00	0.00	0.03	18.94
27	0.00	0.00	0.00	0.00	1.18	976.30	27	0.00	0.77	0.00	0.00	0.02	19.69
28	0.00	0.00	0.00	0.00	1.18	975.12	28	0.00	0.77	0.00	0.00	0.02	20.44
29	0.00	0.00	0.00	0.00	1.19	973.93	29	0.00	0.77	0.00	0.00	0.02	21.19
30	0.00	0.00	0.00	0.00	1.19	972.74	30	0.00	0.77	0.00	0.00	0.03	21.93
31	0.00	0.00	26.36	0.00	1.01	945.37	31	0.00	0.68	0.00	0.00	0.02	22.59
	0.00	844.07	26.36	0.00	25.41			0.00	23.01	0.00	0.00	0.42	

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2506.97							58.45							158.71
1	51.10	1.06	1.06	0.00	2.67	2555.40	1	21.12	0.00	1.06	0.00	0.06	78.45	1	0.00	0.00	0.00	0.00	0.17	158.54
2	136.26	1.98	1.98	0.00	3.08	2688.58	2	21.12	0.00	1.06	0.00	0.09	98.42	2	0.00	0.00	0.00	0.00	0.19	158.35
3	154.59	2.72	2.72	0.00	3.53	2839.64	3	21.12	0.00	1.06	0.00	0.13	118.35	3	0.00	0.00	0.00	0.00	0.21	158.14
4	154.59	2.72	2.72	0.00	3.70	2990.53	4	21.12	0.00	1.06	0.00	0.15	138.26	4	0.00	0.00	0.00	0.00	0.21	157.93
5	138.86	2.14	2.14	0.00	3.99	3125.40	5	21.12	0.00	1.06	0.00	0.18	158.14	5	0.00	0.00	0.00	0.00	0.21	157.72
6	109.40	0.00	0.00	0.00	6.28	3228.52	6	21.12	0.00	0.00	0.00	0.32	178.94	6	0.00	0.00	0.00	0.00	0.32	157.40
7	109.18	1.06	1.06	0.00	9.20	3328.50	7	21.12	0.00	1.06	0.00	0.51	198.49	7	0.00	0.00	0.00	0.00	0.45	156.95
8	51.91	1.06	1.06	0.00	6.08	3374.33	8	21.12	0.00	1.06	0.00	0.36	218.19	8	0.00	0.00	0.00	0.00	0.29	156.66
9	48.74	1.06	1.06	0.00	5.09	3417.98	9	21.12	0.00	1.06	0.00	0.33	237.92	9	0.00	0.00	0.00	0.00	0.24	156.42
10	48.44	1.06	1.06	0.00	2.83	3463.59	10	21.12	0.00	1.06	0.00	0.20	257.78	10	0.00	0.00	0.00	0.00	0.13	156.29
11	27.38	0.00	0.00	289.26	2.86	3198.85	11	0.00	0.00	0.00	0.00	0.21	257.57	11	0.00	0.00	0.00	156.16	0.13	0.00
12	27.60	0.00	0.00	495.88	2.86	2727.71	12	0.00	0.00	0.00	0.00	0.23	257.34	12	0.00	0.00	0.00	0.00	0.00	0.00
13	27.80	0.00	0.00	495.88	2.66	2256.97	13	0.00	0.00	0.00	0.00	0.25	257.09	13	0.00	0.00	0.00	0.00	0.00	0.00
14	27.79	0.00	0.00	495.88	4.32	1784.56	14	0.00	0.00	0.00	0.00	0.49	256.60	14	0.00	0.00	0.00	0.00	0.00	0.00
15	71.96	1358.74	127.88	495.88	2.06	2589.45	15	0.00	317.42	0.00	0.00	0.30	573.72	15	0.00	126.22	0.00	126.22	0.00	0.00
16	126.69	1.66	1.66	495.88	4.07	2216.19	16	0.00	0.00	0.00	0.00	0.90	572.82	16	0.00	0.00	0.00	0.00	0.00	0.00
17	114.42	1.19	1.19	495.88	3.94	1830.79	17	0.00	0.00	0.00	0.00	1.02	571.80	17	0.00	0.00	0.00	0.00	0.00	0.00
18	49.22	0.79	0.79	495.88	3.29	1380.84	18	0.00	0.00	0.00	0.00	1.03	570.77	18	0.00	0.00	0.00	0.00	0.00	0.00
19	49.25	0.79	0.79	495.88	2.61	931.60	19	0.00	0.00	0.00	0.00	1.08	569.69	19	0.00	0.00	0.00	0.00	0.00	0.00
20	49.24	0.79	0.79	495.88	1.37	483.59	20	0.00	0.00	0.00	495.88	0.84	72.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	49.25	0.79	0.79	495.88	0.99	35.97	21	0.00	0.00	0.00	72.82	0.15	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	49.00	0.79	0.79	0.00	0.09	84.88	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	48.74	0.79	0.79	0.00	0.17	133.45	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	49.10	0.79	0.79	0.00	0.26	182.29	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	49.72	0.79	0.79	0.00	0.35	231.66	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	49.72	0.79	0.79	0.00	0.45	280.93	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	49.89	0.79	0.79	0.00	0.64	330.18	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	49.49	0.79	0.79	0.00	0.79	378.88	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	49.43	0.79	0.79	0.00	0.60	427.71	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	49.32	0.79	0.79	0.00	0.94	476.09	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
2068.08	1386.72	155.86	5248.06	81.77			211.20	317.42	9.54	568.70	8.83			0.00	126.22	0.00	282.38	2.55		

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1305.24							581.45							506.63
1	51.10	1.06	1.06	0.00	1.39	1354.95	1	29.98	1.06	0.00	0.00	0.62	611.87	1	0.00	0.00	0.00	0.00	0.54	506.09
2	136.26	1.06	1.98	0.00	1.63	1488.66	2	115.14	1.06	0.92	0.00	0.74	726.41	2	0.00	0.00	0.00	0.00	0.61	505.48
3	154.59	1.06	2.72	0.00	1.95	1639.64	3	133.47	1.06	1.66	0.00	0.95	858.33	3	0.00	0.00	0.00	0.00	0.66	504.82
4	154.59	1.06	2.72	0.00	2.14	1790.43	4	133.47	1.06	1.66	0.00	1.12	990.08	4	0.00	0.00	0.00	0.00	0.66	504.16
5	138.86	1.06	2.14	0.00	2.38	1925.83	5	117.74	1.06	1.08	0.00	1.32	1106.48	5	0.00	0.00	0.00	0.00	0.67	503.49
6	109.40	0.00	0.00	0.00	3.87	2031.36	6	88.28	0.00	0.00	0.00	2.22	1192.54	6	0.00	0.00	0.00	0.00	1.01	502.48
7	109.18	1.06	1.06	0.00	5.79	2134.75	7	88.06	1.06	0.00	0.00	3.40	1278.26	7	0.00	0.00	0.00	0.00	1.43	501.05
8	51.91	1.06	1.06	0.00	3.90	2182.76	8	30.79	1.06	0.00	0.00	2.33	1307.78	8	0.00	0.00	0.00	0.00	0.92	500.13
9	48.74	1.06	1.06	0.00	3.29	2228.21	9	27.62	1.06	0.00	0.00	1.97	1334.49	9	0.00	0.00	0.00	0.00	0.75	499.38
10	48.44	1.06	1.06	0.00	1.85	2274.80	10	27.32	1.06	0.00	0.00	1.11	1361.76	10	0.00	0.00	0.00	0.00	0.41	498.97
11	27.38	0.00	0.00	289.26	1.88	2011.04	11	27.38	0.00	0.00	0.00	1.13	1388.01	11	0.00	0.00	0.00	133.10	0.41	365.46
12	27.60	0.00	0.00	365.13	1.80	1671.71	12	27.60	0.00	0.00	0.00	1.24	1414.37	12	0.00	0.00	0.00	365.13	0.33	0.00
13	27.80	0.00	0.00	0.00	1.63	1697.88	13	27.80	0.00	0.00	0.00	1.38	1440.79	13	0.00	0.00	0.00	0.00	0.00	0.00
14	27.79	0.00	0.00	0.00	3.25	1722.42	14	27.79	0.00	0.00	0.00	2.76	1465.82	14	0.00	0.00	0.00	0.00	0.00	0.00
15	71.96	1267.00	127.88	371.09	1.99	2560.43	15	71.96	823.36	127.88	244.87	1.69	1986.71	15	0.00	0.00	0.00	0.00	0.00	0.00
16	126.69	0.00	1.66	495.88	4.02	2185.56	16	126.69	0.00	1.66	495.88	3.12	1612.74	16	0.00	0.00	0.00	0.00	0.00	0.00
17	114.42	0.00	1.19	495.88	3.89	1799.02	17	114.42	0.00	1.19	495.88	2.87	1227.22	17	0.00	0.00	0.00	0.00	0.00	0.00
18	49.22	0.00	0.79	495.88	3.23	1348.34	18	49.22	0.00	0.79	495.88	2.20	777.57	18	0.00	0.00	0.00	0.00	0.00	0.00
19	49.25	0.00	0.79	495.88	2.55	898.37	19	49.25	0.00	0.79	495.88	1.47	328.68	19	0.00	0.00	0.00	0.00	0.00	0.00
20	49.24	0.00	0.79	495.88	1.32	449.62	20	49.24	0.00	0.79	0.00	0.48	376.65	20	0.00	0.00	0.00	0.00	0.00	0.00
21	49.25	0.00	0.79	495.88	0.92	1.28	21	49.25	0.00	0.79	423.06	0.77	1.28	21	0.00	0.00	0.00	0.00	0.00	0.00
22	49.00	0.00	0.79	0.00	0.00	49.49	22	49.00	0.00	0.79	0.00	0.00	49.49	22	0.00	0.00	0.00	0.00	0.00	0.00
23	48.74	0.00	0.79	0.00	0.10	97.34	23	48.74	0.00	0.79	0.00	0.10	97.34	23	0.00	0.00	0.00	0.00	0.00	0.00
24	49.10	0.00	0.79	0.00	0.19	145.46	24	49.10	0.00	0.79	0.00	0.19	145.46	24	0.00	0.00	0.00	0.00	0.00	0.00
25	49.72	0.00	0.79	0.00	0.28	194.11	25	49.72	0.00	0.79	0.00	0.28	194.11	25	0.00	0.00	0.00	0.00	0.00	0.00
26	49.72	0.00	0.79	0.00	0.38	242.66	26	49.72	0.00	0.79	0.00	0.38	242.66	26	0.00	0.00	0.00	0.00	0.00	0.00
27	49.89	0.00	0.79	0.00	0.55	291.21	27	49.89	0.00	0.79	0.00	0.55	291.21	27	0.00	0.				

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1201.73							233.77
1	0.00	0.00	0.00	0.00	1.28	1200.45	1	0.00	0.00	0.00	0.00	0.25	233.52
2	0.00	0.92	0.00	0.00	1.45	1199.92	2	0.00	0.00	0.00	0.00	0.28	233.24
3	0.00	1.66	0.00	0.00	1.58	1200.00	3	0.00	0.00	0.00	0.00	0.31	232.93
4	0.00	1.66	0.00	0.00	1.56	1200.10	4	0.00	0.00	0.00	0.00	0.30	232.63
5	0.00	1.08	0.00	0.00	1.61	1199.57	5	0.00	0.00	0.00	0.00	0.31	232.32
6	0.00	0.00	0.00	0.00	2.41	1197.16	6	0.00	0.00	0.00	0.00	0.47	231.85
7	0.00	0.00	0.00	0.00	3.41	1193.75	7	0.00	0.00	0.00	0.00	0.66	231.19
8	0.00	0.00	0.00	0.00	2.18	1191.57	8	0.00	0.00	0.00	0.00	0.42	230.77
9	0.00	0.00	0.00	0.00	1.80	1189.77	9	0.00	0.00	0.00	0.00	0.35	230.42
10	0.00	0.00	0.00	0.00	0.98	1188.79	10	0.00	0.00	0.00	0.00	0.19	230.23
11	0.00	0.00	0.00	0.00	0.98	1187.81	11	0.00	0.00	0.00	0.00	0.19	230.04
12	0.00	0.00	0.00	130.75	1.06	1056.00	12	0.00	0.00	0.00	0.00	0.21	229.83
13	0.00	0.00	0.00	495.88	1.03	559.09	13	0.00	0.00	0.00	0.00	0.22	229.61
14	0.00	0.00	0.00	495.88	1.07	62.14	14	0.00	0.00	0.00	194.42	0.44	34.75
15	0.00	91.74	0.00	124.79	0.07	29.02	15	0.00	18.08	0.00	52.79	0.04	0.00
16	0.00	1.66	0.00	0.00	0.05	30.63	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	1.19	0.00	0.00	0.05	31.77	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.79	0.00	0.00	0.06	32.50	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.79	0.00	0.00	0.06	33.23	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.79	0.00	0.00	0.05	33.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.79	0.00	0.00	0.07	34.69	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.79	0.00	0.00	0.09	35.39	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.79	0.00	0.00	0.07	36.11	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.79	0.00	0.00	0.07	36.83	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.79	0.00	0.00	0.07	37.55	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.79	0.00	0.00	0.07	38.27	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.79	0.00	0.00	0.09	38.97	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.79	0.00	0.00	0.09	39.67	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.79	0.00	0.00	0.06	40.40	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.79	0.00	0.00	0.09	41.10	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	110.18	0.00	1247.30	23.51			0.00	18.08	0.00	247.22	4.64	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						945.37							22.59
1	0.00	0.00	0.00	0.00	1.01	944.36	1	0.00	0.00	0.00	0.00	0.02	22.57
2	0.00	0.00	0.00	0.00	1.14	943.22	2	0.00	0.92	0.00	0.00	0.03	23.46
3	0.00	0.00	0.00	0.00	1.24	941.98	3	0.00	1.66	0.00	0.00	0.03	25.09
4	0.00	0.00	0.00	0.00	1.23	940.75	4	0.00	1.66	0.00	0.00	0.03	26.72
5	0.00	0.00	0.00	0.00	1.26	939.49	5	0.00	1.08	0.00	0.00	0.04	27.76
6	0.00	0.00	0.00	0.00	1.88	937.61	6	0.00	0.00	0.00	0.00	0.06	27.70
7	0.00	0.00	0.00	0.00	2.67	934.94	7	0.00	0.00	0.00	0.00	0.08	27.62
8	0.00	0.00	0.00	0.00	1.71	933.23	8	0.00	0.00	0.00	0.00	0.05	27.57
9	0.00	0.00	0.00	0.00	1.41	931.82	9	0.00	0.00	0.00	0.00	0.04	27.53
10	0.00	0.00	0.00	0.00	0.77	931.05	10	0.00	0.00	0.00	0.00	0.02	27.51
11	0.00	0.00	0.00	0.00	0.77	930.28	11	0.00	0.00	0.00	0.00	0.02	27.49
12	0.00	0.00	0.00	130.75	0.83	798.70	12	0.00	0.00	0.00	0.00	0.02	27.47
13	0.00	0.00	0.00	495.88	0.78	302.04	13	0.00	0.00	0.00	0.00	0.03	27.44
14	0.00	0.00	0.00	301.46	0.58	0.00	14	0.00	0.00	0.00	0.00	0.05	27.39
15	0.00	72.00	0.00	72.00	0.00	0.00	15	0.00	1.66	0.00	0.00	0.03	29.02
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	1.66	0.00	0.00	0.05	30.63
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	1.19	0.00	0.00	0.05	31.77
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.79	0.00	0.00	0.06	32.50
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.79	0.00	0.00	0.06	33.23
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.79	0.00	0.00	0.05	33.97
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.79	0.00	0.00	0.07	34.69
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.79	0.00	0.00	0.09	35.39
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.79	0.00	0.00	0.07	36.11
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.79	0.00	0.00	0.07	36.83
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.79	0.00	0.00	0.07	37.55
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.79	0.00	0.00	0.07	38.27
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.79	0.00	0.00	0.09	38.97
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.79	0.00	0.00	0.09	39.67
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.79	0.00	0.00	0.06	40.40
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.79	0.00	0.00	0.09	41.10
	0.00	72.00	0.00	1000.09	17.28			0.00	20.10	0.00	0.00	1.59	

Enclosure 4

Consumptive Use Values for AGUA's Water Rights in the Excelsior Ditch



## 5.1 Excelsior Ditch

On July 30, 2004 AGUA submitted an application to District Court, Water Division No. 2 in Case No. 2004CW062 for the change of use of all 3,333 Excelsior Irrigating Company (Company) shares to include augmentation, storage and exchange uses while retaining irrigation as a decreed use, and to adjudicate the Pueblo Reservoir as an alternate point of diversion solely for purposes of effecting an exchange into the reservoir as requested in pending Case No. 03CW119. AGUA and Mr. C. R. (Dick) Evans (Evans) currently represent all the ownership interest in the Company and the Excelsior Ditch, decreed to divert water from the Arkansas River for irrigation use. The change of the Excelsior Ditch water rights proposed in Case No. 2004CW062 is intended to quantify the historical net stream depletions attributable to both the AGUA and the Evans shares in the Company to allow AGUA the use of its pro-rata portion of the rights for augmentation on a permanent basis, and to allow Evans the use of his pro-rata portion of the rights in a replacement plan approved under the Amended Rules and Regulations Governing the Diversion and Use of Tributary Ground Water in the Arkansas River Basin, Colorado, September 27, 1995.

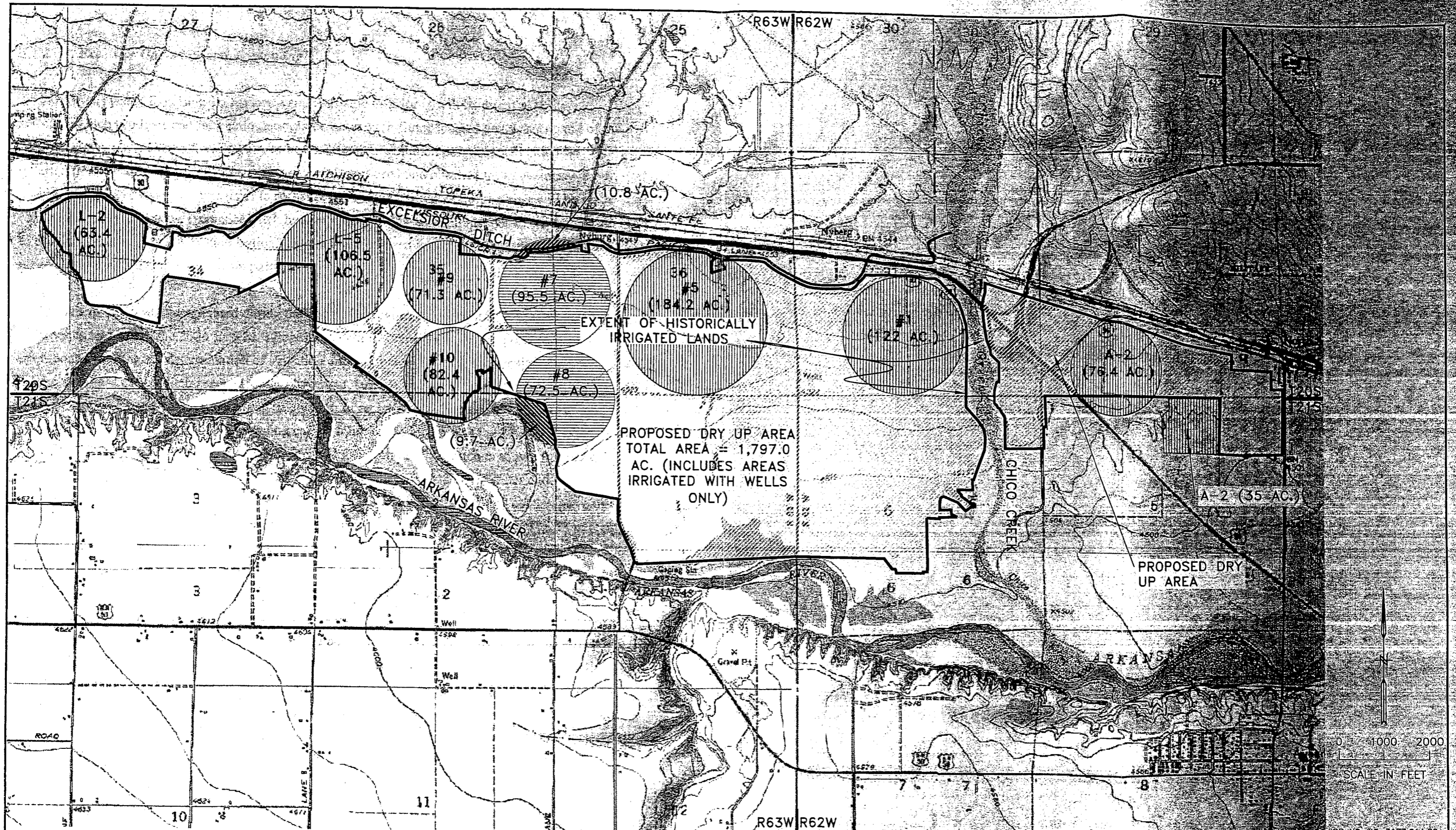
An engineering report was prepared for AGUA by Tetra Tech RMC during September of 2004 titled the "*Report on the Historical Use and Change of Use of Excelsior Ditch Shares – Case No. 2004CW062*" (2004 Excelsior Report). The 2004 Excelsior Report provides a detailed study of the history of the Excelsior Ditch including Company history, diversions, share ownership, irrigated area and crop distribution. A complete water budget analyzed irrigation water availability, climate data, potential crop consumptive use, potential non-growing season soil evaporation, soils, historical consumptive use of irrigation water, return flows and net stream depletions. Proposed uses of the Excelsior Ditch were discussed including the determination of irrigation and augmentation diversions, consumptive use credit, ditch seepage loss replacement obligation, surface runoff return flow replacement obligation, deep percolation return flow replacement obligation, recharge pond evaporation loss, recharge pond lagging factors, and accounting. The report also described proposed terms and conditions, including removal of land from irrigation, diversions in-priority, season of use and consumptive use and diversion volumetric limitations, so as to prevent injury to other water rights. A copy of this report was provided to the State Engineer's Office, the Colorado Division of Water Resources Division 2 Office, AGUA and all objectors in the case, as is an ideal reference that compliments this 2005 plan. A copy of this report has been provided to the State Engineer's Office, the State Engineer's Division 2 Office, AGUA and all objectors in the case therefore much of the 2004 Excelsior Report will be referenced rather than duplicated herein.

The Excelsior Ditch water rights, subject in Case No. 2004CW062, consist of two direct flow water rights for irrigation use that are diverted from the Arkansas River in Section 36, T20S, R64W near Baxter, Colorado, approximately one mile south of the Pueblo Airport. Figure 1 in the 2004 Excelsior Report shows the location of the Excelsior Ditch, headgate, augmentation station, measuring flumes and recharge ponds. Through two purchases from Mr. Evans, AGUA owns 1,792 shares out of 3,333 total shares of Company stock, or a 53.77 percent interest. The balance of 1,541 shares or 46.23 percent is owned by Mr. Evans.

#### *5.1.1 Excelsior Ditch Shares Controlled by AGUA During 2005*





Pursuant to agreements with Mr. Evans, AGUA will have control of a total of 3,002 shares out of 3,333 shares outstanding (90.07 percent) during the 2005 plan year: consisting of: AGUA's 1,792 shares, 1,010 shares that will be provided by Mr. Dick Evans, and 200 shares to be provided by Mr. John Sliman (who leases them from Mr. Evans). The 1,010 Evans and 200 Sliman shares will be provided to AGUA for augmentation of well pumping depletions on the Evans and Sliman properties. Any excess credits from the Evans and Sliman shares will be available to replace well pumping depletions for the general AGUA membership. Copies of the Excelsior lease agreements with Mr. Evans and Mr. Sliman are attached in Appendix D.

Figure 1 of this report shows the areas to be dried up to provide augmentation credits for the 3,002 shares of Excelsior Ditch to be used for augmentation. The acreage in Figure 1 has been revised from previous plan years to coincide with the historical irrigated acreage identified in the Excelsior report. For a more detailed description of the determination of historical irrigated land and land proposed for dry-up please see Section 3.5, Section 6.1 and Figures 5 and 6 of the Excelsior report. As shown in Figure 1 of this report, a portion of the land designated to be irrigated by Mr. Evans with Excelsior Ditch water occurs outside the historically irrigated lands. Pivot No. 7 irrigates 10.8 acres above the ditch and Pivot No. 8 irrigates 9.7 acres southwest of the historically irrigated area boundary. Thus 20.5 acres (10.8 acres plus 9.7 acres) of dry-up area has been reserved to offset the use of Excelsior water rights on non-historical lands.




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LEGEND

-  IRRIGATED WITH DITCH AND WELLS
-  IRRIGATION WITH WELLS ONLY (DRY UP)
-  NO IRRIGATION (DRY UP)
-  EXCELSIOR EXPANSION AREA

EXCELSIOR DRY UP AND  
IRRIGATION MAP  
AGUA 2005 PLAN YEAR

 RMC  
FIGURE  
1



JOB NO. 43-3177.014.00

### 5.1.2 *Excelsior Operation and Accounting*

As in previous years, Excelsior ditch share water available in-priority will be diverted at the Excelsior Ditch headgate and measured through the main ditch flume located just downstream of the 36 Lane waste way. The portion of water to be used for augmentation purposes will either be diverted from the ditch at the 36 Lane waste way, and measured and returned to the Arkansas River, or will be conveyed down the Excelsior to recharge ponds. Each month an accounting will be made of the total diversions at the Excelsior Ditch headgate, return flow obligations, the amount returned to the Arkansas at the augmentation station, the amount measured into the recharge facility and the lagged recharge credits available from past recharge.

The Excelsior Ditch will be operated during the 2005 plan year in accordance with the operational schemes as set forth in the 2004 Excelsior Report. A detailed explanation of the proposed operations including the determination of irrigation and augmentation diversions, calculating consumptive use credit, ditch seepage loss replacement, surface and deep percolation return flow replacement, recharge operation including calculation of recharge pond evaporation loss and recharge pond lagging factors and accounting can be found in Section 5.0 of the 2004 Excelsior Report. A detailed diagram showing an example of the operation of the ditch is shown in Figure 2. In accordance with the 2004 Excelsior Report, ditch loss is 11 percent, surface water and groundwater returns are a 50/50 percent split of total returns and variable monthly consumptive use factors have been replaced with a 58 percent consumptive use factor in every month. The 58 percent consumptive use factor is based on ditch diversions, not farm headgate deliveries.

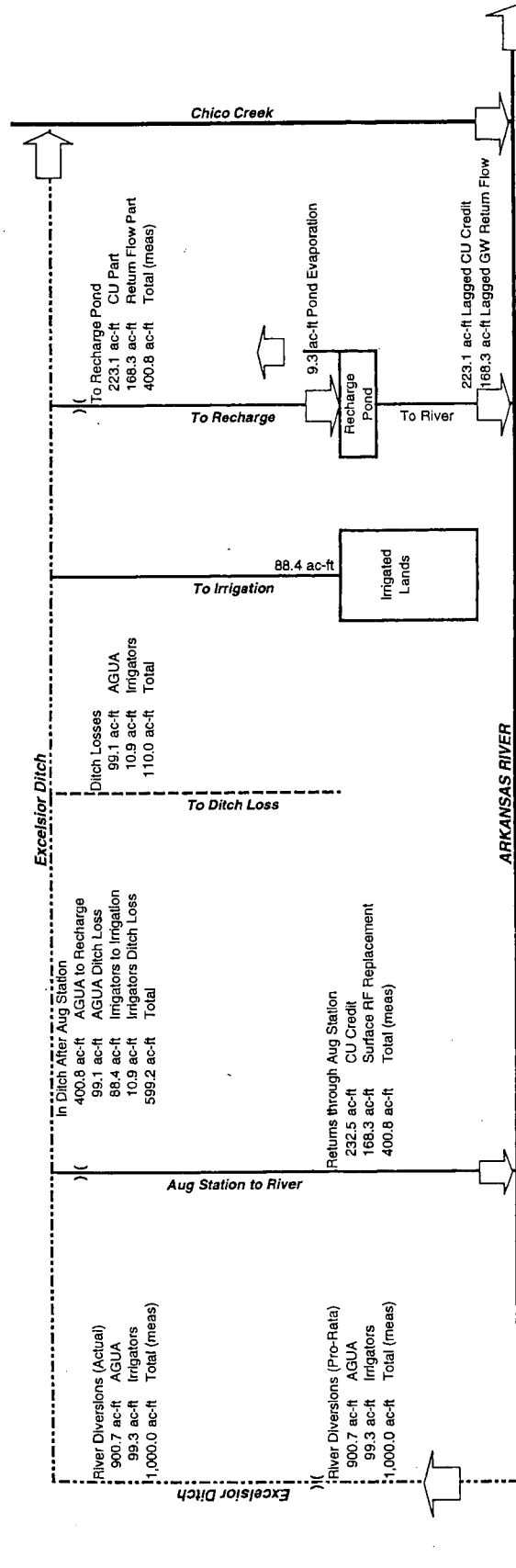
In previous years AGUA's return flow obligations, both surface and lagged groundwater return flows, were replaced through the Excelsior Ditch augmentation station instantaneously as diversions occurred. It is proposed for the 2005 plan year and beyond to make replacements of surface return flow obligations through the augmentation station, representing the instantaneous nature of surface returns. Replacement of the subsurface, or groundwater, portion of AGUA's return flow obligation will be via the recharge ponds that appropriately lag the replacement credit, representing the timing of historical groundwater return flows. Figure 2 provides an example of the proposed replacement of both surface and groundwater return flows, including Excelsior Ditch monthly accounting and calculations.

Replacement credits from AGUA's Excelsior Ditch shares will be available to replace depletions accruing to the Arkansas River downstream of the Excelsior headgate located in Section 36, T20S,

R64W, or generally Reaches 2 through 10 in the HI Model (HIM). By exchange, Excelsior credits should normally be available to make replacements in Reach 1 unless there is a call in Reach 1 above the Excelsior headgate.

AGUA 2005 Arkansas River Replacement Plan

Example Excelsior Ditch Monthly Accounting Diagram and Calculations



Calculations of Numbers Shown on Diagram Above

Basic Ownership and Physical Information		Month of Operation:	
Interest (shares):	3,002 AGUA	May	
	331 Irrigators		
	3,333 Total		
Interest (percent):	90.07% AGUA		
	9.93% Irrigators		
	100.00% Total		
Total Headgate Diversions (ac-ft):	1,000		
Total AGUA Measured through Aug Station (ac-ft):	401		
Total AGUA Measured to Recharge (ac-ft):	401		
Ditch Loss Factor (percent):	11%		
Recharge Pond Area (ac):	18.3		
Pond Evaporation (ac-ft):	9.3		
Surface Runoff Factor	0.5		
<b>Ditch Diversions and Losses</b>			
Total Headgate Diversions (ac-ft):	1,000.0		
AGUA Pro-Rata Diversions (ac-ft):	900.7		
Irrigators Pro-Rata Diversions (ac-ft):	99.3		
AGUA Actual Diversions (ac-ft):	900.7		
Irrigators Actual Diversions (ac-ft):	99.3		
Total Actual Diversions (ac-ft):	1,000.0		
Ditch Loss (percent):	11%		
AGUA Pro-Rata Ditch Loss (ac-ft):	99.1		
Irrigators Pro-Rata Ditch Loss (ac-ft):	10.9		
AGUA Actual Ditch Loss (ac-ft):	99.1		
Irrigators Actual Ditch Loss (ac-ft):	10.9		
AGUA to Recharge or Aug Station (ac-ft):	801.6		
Irrigators to Irrigation (ac-ft):	88.4		
Total to Uses (ac-ft):	890.0		
Total to Losses (ac-ft):	110.0		
Total to Uses & Losses (ac-ft):	1,000.0		
AGUA Return Flow Obligation (ac-ft):	336.7		
Surface Runoff Repl. (ac-ft):	168.3		
Groundwater Return Flow Repl. (ac-ft):	168.3		
<b>AGUA CU Credits and Return Flows</b>			
Total AGUA Measured through Aug Station (ac-ft):	400.8		
Total AGUA Measured to Recharge (ac-ft):	400.8		
Total AGUA Measured (ac-ft):	801.6		
Total Measured Plus Ditch Loss (ac-ft):	900.7		
Is Total AGUA Measured Plus Ditch Loss < Pro-Rata? Limit Basis for AGUA Credits:	Yes	Measured	
AGUA Basis (ac-ft):	801.6		
Credit Factor (percent):	58.0%		
Potential AGUA CU Credit (ac-ft):	464.9		
Maximum Monthly AGUA CU Credit (ac-ft):	1,280.1		
Total CU Credit (ac-ft):	464.9		
Total Return Flow Component (ac-ft):	336.7		
AGUA Credit at Recharge Pond (ac-ft):	400.8		
AGUA GW Return Flow Credit at Recharge Pond (ac-ft):	168.3		
Recharge CU Credit After Return Flow & Evap Loss (ac-ft):	223.1		
AGUA Credit at Aug Station (ac-ft):	400.8		
AGUA Surface Return Flows at Aug Station (ac-ft):	168.3		
AGUA CU Aug Credit After Return Flow (ac-ft):	232.5		
AGUA Total CU Available (ac-ft):	464.9		
AGUA CU Lost to Pond Evap (ac-ft):	9.3		
AGUA Total CU Credits (ac-ft):	455.6		
AGUA Total Return Flows + Ditch Loss (ac-ft):	435.8		
Total AGUA Water (ac-ft):	900.7		



**5.1.3 Excelsior Projected Consumptive Use Credit**

Based on past performance and 2005 snow water equivalent estimates of approximately 115 percent of average in the Arkansas basin, Excelsior consumptive use credits for the 2005 irrigation season are anticipated to be close to average. Conservatively, projected diversions as presented in this 2005 plan are projected to be approximately 250 acre-feet in May, 1,000 acre-feet in June and 350 acre-feet in July. These projected values are equivalent to approximately 88 percent of the May through July average from 1950 to 1982. As shown on Table 7, AGUA's consumptive use credits will be computed as diversions times AGUA's 90.07 percent interest, times the monthly consumptive use factor of 58 percent. AGUA's estimated monthly consumptive use credits during the 2005 plan year are estimated to be 837 acre-feet occurring during the 2005 summer season.

Projected consumptive use credit during the winter months are currently estimated at zero based on discussions held with the State Engineer's Office and the Southeast Colorado Water Conservancy District, objectors in Case No. 2004CW062. Continued negotiations may result in credits being allowed during the winter season of the 2005 plan year. In the event that credits are later allowed, AGUA will at that time discuss with the State Engineer's office the requirements to add those winter season Excelsior credits as additional replacement water to the 2005 AGUA plan and the resulting pumping increases that will be allowed.

**Table 7**

**PROJECTED AGUA EXCELSIOR DITCH CONSUMPTIVE USE CREDITS**

Month	Diversions Estimated for 2005 Plan Year at 100% Interest (acre-feet)	Diversions Estimated for 2005 Plan Year at 90.07% Interest (acre-feet)	Consumptive Use Factors	2005 Consumptive Use Credits (acre-feet)
April	0	0	0.58	0.0
May	250	225	0.58	131
June	1,000	901	0.58	523
July	350	315	0.58	183
August	0	0	0.58	0
September	0	0	0.58	0
October	0	0	0.58	0
November	0	0	0.58	0
December	0	0	0.58	0
January	0	0	0.58	0
February	0	0	0.58	0
March	0	0	0.58	0
Totals	1,600	1,441		837

Based on the distribution of shares, AGUA's portion of the consumptive use credits projected to be generated during the 2005 plan year are 500 acre-feet.<sup>1</sup> Dick Evans' 1,010 shares are projected to provide 282 acre-feet of consumptive use credits during the 2005 plan year<sup>2</sup> and John Sliman's 200 shares are projected to provide 56 acre-feet of consumptive use credits.<sup>3</sup> At a maximum wellhead depletion factor of 75 percent, the Evans and Sliman consumptive use would support 376 acre-feet and 75 acre-feet of pumping, respectively.

#### 5.1.4 Excelsior Ditch Volumetric Limitations

Excelsior Ditch volumetric limitations for AGUA during the 2005 plan year will correspond with the volumetric limitations as presented in the 2004 Excelsior Report under Section 6.4. Table 17 of the 2004 Excelsior Report including consumptive use credit limits has been duplicated below as Table 8 and includes an additional column showing the diversions allowed based on AGUA's control of 3,002 Excelsior shares during 2005.

**Table 8**  
**Consumptive Use Credit Limits and Corresponding Diversion Amounts**

<i>Month</i>	<i>Consumptive Use Credit Limit (acre-feet)</i>	<i>Corresponding Diversion Amount (acre-feet)</i>	<i>Consumptive Use Credit Limit (acre-feet/share)</i>	<i>Corresponding Diversion Amount (acre-feet/share)</i>	<i>3002 Shares Diversion Amount (acre-feet)</i>
April	425	730	0.1275	0.2190	657
May	780	1,345	0.2340	0.4035	1,211
June	1,125	1,940	0.3375	0.5821	1,747
July	1,140	1,965	0.3420	0.5896	1,770
August	925	1,595	0.2775	0.4785	1,436
September	230	395	0.0690	0.1185	356
October	480	830	0.1440	0.2490	747
November - March	1,230	2,120	0.3690	0.6361	1,910

Table 18 of the 2004 Excelsior Report showing 20 year proposed volumetric diversion limitations has been modified in Table 9 below to show 10 year proposed volumetric diversion limitations to correspond with the analysis provided in this report during previous years.

- 
- 1 1,792 shares / 3,002 shares \* 837 ac-ft = 500 ac-ft
  - 2 1,010 shares / 3,002 shares \* 837 ac-ft = 282 ac-ft
  - 3 200 shares / 3,002 shares \* 837 ac-ft = 56 ac-ft



**Table 9**  
**Proposed Volumetric Diversion Limitations for 3,333 Shares**

<i>Period</i>	<i>Diversion Limits (acre-feet)</i>	<i>Period</i>	<i>Diversion Limits (acre-feet)</i>
<b>Monthly Maximums</b>			
April	1,250	<b>Annual Maximum</b>	
May	2,450	April – March	9,750
June	3,450	<b>10-Year Cumulative Seasonal Maximum</b>	
July	3,450	April – October	50,300
August	1,710	November – March	3,200
September	400	<b>10-Year Cumulative Annual Maximum</b>	
October	830	April – March	53,500
November – March	1,060 each	<b>Seasonal Maximums</b>	
April – October	9,380	<b>April – October</b>	
November – March	2,120	<b>November – March</b>	

\*

AGUA's augmentation credits obtained in each previous year, AGUA's ownership interest for each of those previous years, and AGUA's ownership interest for the current year must be considered in order to apply the 10-year cumulative credit limitation. The total of each year's credit divided by that year's ownership interest may not exceed 31,030 acre-feet (the cumulative 10-year diversion of 53,500 acre-feet times the annual average consumptive use factor of 58 percent. The amount available for credit in any year will be limited to AGUA's current year's ownership interest (90.07 percent), times the difference between 31,030 acre-feet and the sum of each previous year's credit divided by each year's ownership interest. Table 10 below shows the basis for a preliminary determination of the remaining credits that AGUA could claim under the 10-year cumulative limitation.

Table 10

*AGUA'S EXCELSIOR DITCH 10-YEAR CREDIT ALLOWANCE DETERMINATION*

Year	Period (Plan Year and Months)	Credits Obtained (acre-feet)	AGUA Interest	Credits on 100% Basis (acre-feet)
1	1996 Jun - Mar	392.7	35.61%	1,102.8
2a	1997 Apr - Jul	676.6	35.61%	1,900.0
2b	1997 Aug - Mar	865.5	94.60%	914.9
3	1998 Apr - Mar	2,586.9	91.90%	2,814.9
4	1999 Apr - Mar	2,438.8	59.71%	4,084.3
5	2000 Apr - Mar	844.9	53.11%	1,590.8
6	2001 Apr - Mar	1,514.1	50.32%	3,008.9
7	2002 Apr - Mar	788.5	50.32%	1,567.0
8	2003 Apr - Mar	1,323.0	80.68%	1,639.8
9	2004 Apr - Mar	627.5 <sup>4</sup>	90.61%	692.5
Total June 1996 through March 2005 Credits on 100% Basis				19,315.9
10-Year Cumulative CU Credit Limit on 100% Basis				31,030.0
Remaining Credits Allowed Under 10-Year Limit on 100% Basis (31,030.0 – 19,315.9)				11,714.1

At 100 percent ownership interest, up to 11,714.1 acre-feet of replacement credits could be claimed during the next year. At AGUA's 2005 plan year interest of 90.07 percent, the 10-year cumulative limit would allow AGUA to claim up to 10,550.9 acre-feet of credits (11,714.1 x 0.9007) during the remainder of the ten year period or during the 2005 plan year. As described previously, 2005 consumptive use credits are projected to total only 837 acre-feet, thus the 10-year limit will not be exceeded.

*5.1.5 Accounting for Water Other Than Excelsior to Recharge*

The predominant sources of water to be run through the recharge ponds will be water derived from AGUA's ownership and lease interest in Excelsior Ditch Company shares, however, it is possible that during the 2005 plan year, AGUA will purchase other types of water that they would chose to run to the recharge ponds for lagged credit. In the event that another source of water, quite likely fully consumable water, is diverted to AGUA's recharge ponds, the water will be run to the recharge pond only during times when no Excelsior Ditch share diversions are occurring. If the water is fully consumable, AGUA

<sup>4</sup> Includes actual credits of 162.24 acre-feet in April through January, and estimated credits of 465.29 acre-feet in February and March, 2005.

will receive credit for lagged ditch seepage loss return flows determined using the ditch seepage loss return flow obligation lagging factors as presented in Table 12 of the 2004 Excelsior Report. The fully consumable water delivered to the recharge ponds, minus evaporation losses as shown in Table 14 of the 2004 Excelsior Report, will be credited to AGUA and lagged according to the recharge pond lagging factors as presented in Table 16 of the 2004 Excelsior Report..

### 5.1.6 Total Excelsior Ditch Credits for 2005

Of the 837 acre-feet of consumptive use credit projected for the 2005 plan year, an estimated 837 acre-feet of consumptive use credits will be delivered to the recharge ponds and zero acre-feet of consumptive use credits will be run directly to the Arkansas River via the augmentation station. The total Excelsior replacement credits available during 2005, consisting of lagged recharge credits from 2005 and previous year's deliveries to the recharge ponds, plus 2005 plan year deliveries to the augmentation station, are projected to be 753 acre-feet. Table 11 below shows the monthly breakdown of the projected credits by type. If AGUA's percentage of the Excelsior Ditch diversions largely exceed 2005 plan projections, AGUA may explore the option of obtaining storage in Pueblo Reservoir in order to operate the exchange of Excelsior consumptive use credit from the Excelsior Ditch augmentation station to Pueblo Reservoir as proposed in pending Case No. 03CW119.

**Table 11**

#### **EXCELSIOR DITCH PROJECTED REPLACEMENT CREDITS - 2005 PLAN YEAR**

Month	Credits at Augmentation Station (acre-feet)	Unlagged Recharge Credits (acre-feet)	Total Consumptive Use Credits (acre-feet)	Lagged Recharge Credits <sup>5</sup> (acre-feet)	Total Replacement Credits (acre-feet)
April	0	0	0	29	29
May	0	131	131	30	30
June	0	523	523	46	46
July	0	183	183	94	94
August	0	0	0	108	108
September	0	0	0	94	94
October	0	0	0	80	80
November	0	0	0	70	70
December	0	0	0	61	61
January	0	0	0	53	53
February	0	0	0	47	47
March	0	0	0	41	41
Total	0	837	837	753	753

5 Includes lagged credits from an estimated 227 acre-feet of recharge credit during March 2005 and recharge from previous plan years.

The new Excelsior Ditch credit available to AGUA during the 2005 plan year is projected to be 753.0 acre-feet. In addition, 182.3 acre-feet are projected to be carried over from March 2005 to April 2005 for a total of 935.3 acre-feet available to AGUA during the 2005 plan year.

### **5.2 Board of Water Works of Pueblo, Reusable Water**

Transportation Technology Center, Inc., an AGUA member, has secured a five year lease agreement with Pueblo commencing April 6, 2004 for 30.0 acre-feet of fully consumable water. A copy of the lease agreement between Transportation Technology, Inc. and Pueblo is attached in Appendix D. Transportation Technology has provided the 30.0 acre-feet of stored water to AGUA in exchange for pumping. The 30.0 acre-feet is shown in Table 16 as a replacement source available to AGUA.

During the 2004 plan year AGUA purchased excess transmountain water from storage in Pueblo Reservoir from Pueblo. AGUA received 112.7 acre-feet during April and 217.4 acre-feet during May of 2004 of fully consumable water that was delivered to the Excelsior recharge ponds. AGUA will receive 73.5 acre-feet of lagged credit during the 2005 plan year including ditch seepage credited to AGUA because the water is fully consumable. The 73.5 acre-feet is shown in Table 16 as a replacement source available to AGUA appropriately lagged over twelve months using the State's Stream Depletion Model.

The total amount of new credit available to AGUA from Pueblo during the 2005 plan year is 73.5 acre-feet of lagged credit plus 30.0 acre-feet of stored water; or 103.5 acre-feet total. In addition, 11.6 acre-feet is projected to be carried from March 2005 to April 2005 for a total of 115.1 acre-feet (103.5 plus 11.6 acre-feet) of credit available to AGUA during the 2005 plan year as shown in Table 16.

### **5.3 Southeastern Colorado Water Conservancy District, Fryingpan-Arkansas Project Water**

AGUA anticipates obtaining Fry-Ark Project municipal first use water and agricultural return flow credit from the District for use in this plan. The amount planned for during 2005 is much less than what has been received in years prior to 2002 prior to the drought. We have projected that AGUA will receive approximately 705.4 acre-feet of Fry-Ark Project agricultural return flows during the 2005 plan year. We based our projected allocation on the modeled projected return flows available from agricultural return flows already in the system and an early allocation from the Southeast District. The Division 2 Office provided the base allocation of modeled return flows already in the



# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
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<http://water.state.co.us/default.htm>



Bill Owens  
Governor

Russell George  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

July 20, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Transfer to the Offset Account in John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of a transfer of water to the Offset Account.

The Lower Arkansas Water Management Association (LAWMA), Colorado Water Protective & Development Association (CWPDA), Arkansas Groundwater Users Association (AGUA), Fort Lyon Well Users Association (FLWUA) as well as the smaller plan associations (FNMC and McComber) transferred **1004 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water and Colorado Upstream Consumable Water subaccounts of the Offset Account. These associations were assigned fully consumable native water leased by the Lower Arkansas Valley Water Conservancy District from Pueblo Board of Water Works. The Pueblo Board of Water Works fully consumable water was contract exchanged for Fort Lyon Section III water in John Martin Reservoir and immediately transferred into the Offset Account. The Fort Lyon Canal Company will take delivery of 1004 acre-feet of water stored in the Lake Meredith Reservoir system to the Fort Lyon headgate fully maintaining the historical return flow pattern of the Section III water. The transfer from the Section III account was made at 2400 hours on June 15, 2005. A copy of the daily accounting for June 15, 2005 is included at Enclosure 1.

The lease between Pueblo Board of Water Works and Lower Arkansas Valley Water Conservancy District (LAVWCD) for the fully consumable water is included at Enclosure 2. The source of the water booked into the Offset Account was fully consumable water from Aurora via a contract exchange with Pueblo Board of Water Works as described in the agreement in Enclosure 3. The Fort Lyon Canal Company has arranged to divert the water delivered by LAVWCD on behalf of the above well user groups in exchange for water in its Section III account in John Martin Reservoir. Under the terms of the agreement, Fort Lyon Canal Company allowed 1004 acre-feet of Section III water to be transferred as fully consumable and will take delivery of the fully consumable water from Lake Meredith during the irrigation season at their headgate as if it were not fully consumable. The agreement between LAVWCD and Fort Lyon Canal Company and the agreement between LAVWCD and the well users groups is shown at Enclosure 4.

David Pope  
July 20, 2005

The following information is provided in accordance with paragraph 3 of the Resolution.

Source of Water Delivered: Fully Consumable Water from Colorado Springs Utilities and Aurora derived from decreed Arkansas River consumable sources

Time Associated With Transfer

Transfer Made At: 2400 hours, June 15, 2005

Flow Rates Associated With Delivery (See Enclosure 1)

Extent Water is Fully Consumable:

Fully consumable water provided to well user associations listed above.

Return Flow Information

Quantity: Not Applicable

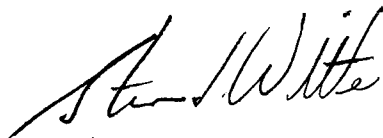
Timing: Not Applicable

Location: Not Applicable

As indicated above, the delivery of 1004 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. This water has been made available to offset depletions to usable stateline flow calculated from H-I model update runs for 1997 through 2004. Under those provisions, the balance of the 1004 acre-feet will be moved from the Colorado Consumable Water subaccount to the Kansas Consumable Water subaccount of the Offset Account 30 days after the date of this notification letter in order that evaporation be charged as provided for by paragraph 5B of the Resolution.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

4 Enclosures

cc: Mark Rude    Kevin Salter    John Draper    Dale Book    Hal Simpson  
Dennis Montgomery    Don Higbee    Jim Slattery    Dale Straw    Monique Morey  
Bill Tyner    Ivan Walter    Joe Kelley    Mark McLean    Brenda Fillmore  
Amy Van Horn    Tom Fedde    Sylvia McComber

**Enclosure 1**

**John Martin Reservoir Accounting for June 15, 2005**



John Mann Daily Report

6/15/2005

Acct	Date	PrevBal	Inflow	TIn	TOut	Rel	Evap	Balance
<b>Storage</b>								
City								
City/LAMAR.	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
Summer Compact	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact.	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water								
Winter Water.	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
Permanent Pool.	6/15/2005	2,095.79	0.00	0.00	0.00	3.56	2.41	2,089.82
Flood Pool.	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Storage</b>	<b>Totals:</b>	<b>2,095.79</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.56</b>	<b>2.41</b>	<b>2,089.82</b>

<b>Agreement</b>								
InterState								
Kansas Kansas	6/15/2005	32,416.81	0.00	0.00	0.00	0.00	37.28	32,379.53
Transit Loss	6/15/2005	1,672.52	0.00	0.00	0.00	0.00	1.93	1,670.59
Article III								
Amity	6/15/2005	4,974.85	0.00	0.00	0.00	0.00	5.73	4,969.12
Ft. Lyon	6/15/2005	1,272.49	0.00	0.00	1,004.00	0.00	1.47	267.02
Las Animas	6/15/2005	1,442.18	0.00	0.00	0.00	0.00	1.66	1,440.52
CO Art II								
Prev Winter Stored Keesee	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Ft Bent	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Amity	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Lamar	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Hyde	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored X-Y	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Buffalo	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Sisson	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Stubbs	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Manvel Consu	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Manvel Return	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Art II								
Cmt Winter Stored Keesee	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored Ft Bent	6/15/2005	1,733.87	0.00	0.00	0.00	0.00	2.00	1,731.87
Cmt Winter Stored Amity	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored Lamar	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored Hyde	6/15/2005	230.54	0.00	0.00	0.00	0.00	0.27	230.27
Cmt Winter Stored X-Y	6/15/2005	904.85	0.00	0.00	0.00	0.00	1.04	903.81
Cmt Winter Stored Buffalo	6/15/2005	1,134.04	0.00	0.00	0.00	0.00	1.31	1,132.73
Cmt Winter Stored Sisson	6/15/2005	152.58	0.00	0.00	0.00	0.00	0.18	152.40
Cmt Winter Stored Stubbs	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored Manvel Consu	6/15/2005	212.90	0.00	0.00	0.00	0.00	0.25	212.65
Cmt Winter Stored Manvel Return	6/15/2005	212.90	0.00	0.00	0.00	0.00	0.25	212.65
CO Art II								
Summer Stored Keesee	6/15/2005	67.46	0.00	0.00	67.38	0.00	0.08	0.00
Summer Stored Ft Bent	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Amity	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Lamar	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Hyde	6/15/2005	135.70	0.00	0.00	0.00	0.00	0.16	135.54
Summer Stored X-Y	6/15/2005	149.63	0.00	0.00	149.46	0.00	0.17	0.00
Summer Stored Buffalo	6/15/2005	249.36	0.00	0.00	0.00	0.00	0.29	249.07
Summer Stored Sisson	6/15/2005	372.81	0.00	0.00	0.00	0.00	0.43	372.38
Summer Stored Stubbs	6/15/2005	10.04	0.00	0.00	10.03	0.00	0.01	0.00
Summer Stored Manvel Consumabl	6/15/2005	434.41	0.00	0.00	0.00	0.00	0.50	433.91
Summer Stored Manvel Return Flo	6/15/2005	451.57	0.00	0.00	0.00	0.00	0.52	451.05
<b>Agreement</b>	<b>Totals:</b>	<b>48,231.48</b>	<b>0.00</b>	<b>0.00</b>	<b>1,230.86</b>	<b>0.00</b>	<b>55.53</b>	<b>46,945.09</b>

<b>OffsetAccount</b>								
Consumable								
Upstream.	6/15/2005	256.60	0.00	317.42	0.00	0.00	0.30	573.72
Downstream.	6/15/2005	1,465.82	71.96	823.36	127.88	244.87	1.69	1,986.71
Kansas.	6/15/2005	0.00	0.00	126.22	0.00	126.22	0.00	0.00
Kansas Charge.	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Return Flow..	6/15/2005	0.00	0.00	72.00	0.00	72.00	0.00	0.00
RF Transit Loss	6/15/2005	34.75	0.00	18.08	0.00	52.79	0.04	0.00
Keesee Winter.	6/15/2005	27.39	0.00	1.66	0.00	0.00	0.03	29.02
<b>OffsetAccount</b>	<b>Totals:</b>	<b>1,784.56</b>	<b>71.96</b>	<b>1,358.74</b>	<b>127.88</b>	<b>495.88</b>	<b>2.06</b>	<b>2,589.45</b>

<b>Reservoir</b>	<b>Totals:</b>	<b>52,111.83</b>	<b>71.96</b>	<b>1,358.74</b>	<b>1,358.74</b>	<b>499.44</b>	<b>60.00</b>	<b>51,624.35</b>
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<b>Colorado Article II Summary</b>								
.Keesee	6/15/2005	67.46	0.00	0.00	67.38	0.00	0.08	0.00
.Ft Bent	6/15/2005	1,733.87	0.00	0.00	0.00	0.00	2.00	1,731.87
.Amity	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.Lamar	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
.Hyde	6/15/2005	366.24	0.00	0.00	0.00	0.00	0.43	365.81
.X-Y	6/15/2005	1,054.48	0.00	0.00	149.46	0.00	1.21	903.81
.Buffalo	6/15/2005	1,383.40	0.00	0.00	0.00	0.00	1.60	1,381.80
.Sisson	6/15/2005	525.39	0.00	0.00	0.00	0.00	0.61	524.78
.Stubbs	6/15/2005	10.04	0.00	0.00	10.03	0.00	0.01	0.00
.Manvel	6/15/2005	1,311.77	0.00	0.00	0.00	0.00	1.52	1,310.25
<b>Colorado Article II</b>	<b>Totals:</b>	<b>6,452.64</b>	<b>0.00</b>	<b>0.00</b>	<b>226.86</b>	<b>0.00</b>	<b>7.46</b>	<b>6,218.32</b>

OffsetAccount-Totals							OffsetAccount-Consumable Upstream						OffsetAccount-Consumable Kansas							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
2506.97							58.45						158.71							
1	51.10	1.06	1.06	0.00	2.67	2555.40	1	21.12	0.00	1.06	0.00	0.06	78.45	1	0.00	0.00	0.00	0.00	0.17	158.54
2	136.26	1.98	1.98	0.00	3.08	2688.58	2	21.12	0.00	1.06	0.00	0.09	98.42	2	0.00	0.00	0.00	0.00	0.19	158.35
3	154.59	2.72	2.72	0.00	3.53	2839.64	3	21.12	0.00	1.06	0.00	0.13	118.35	3	0.00	0.00	0.00	0.00	0.21	158.14
4	154.59	2.72	2.72	0.00	3.70	2990.53	4	21.12	0.00	1.06	0.00	0.15	138.26	4	0.00	0.00	0.00	0.00	0.21	157.93
5	138.86	2.14	2.14	0.00	3.99	3125.40	5	21.12	0.00	1.06	0.00	0.18	158.14	5	0.00	0.00	0.00	0.00	0.21	157.72
6	109.40	0.00	0.00	0.00	6.28	3228.52	6	21.12	0.00	0.00	0.00	0.32	178.94	6	0.00	0.00	0.00	0.00	0.32	157.40
7	109.18	1.06	1.06	0.00	9.20	3328.50	7	21.12	0.00	1.06	0.00	0.51	198.49	7	0.00	0.00	0.00	0.00	0.45	156.95
8	51.91	1.06	1.06	0.00	6.08	3374.33	8	21.12	0.00	1.06	0.00	0.36	218.19	8	0.00	0.00	0.00	0.00	0.29	156.66
9	48.74	1.06	1.06	0.00	5.09	3417.98	9	21.12	0.00	1.06	0.00	0.33	237.92	9	0.00	0.00	0.00	0.00	0.24	156.42
10	48.44	1.06	1.06	0.00	2.83	3463.59	10	21.12	0.00	1.06	0.00	0.20	257.78	10	0.00	0.00	0.00	0.00	0.13	156.29
11	27.38	0.00	0.00	289.26	2.86	3198.85	11	0.00	0.00	0.00	0.00	0.21	257.57	11	0.00	0.00	0.00	156.16	0.13	0.00
12	27.60	0.00	0.00	495.88	2.86	2727.71	12	0.00	0.00	0.00	0.00	0.23	257.34	12	0.00	0.00	0.00	0.00	0.00	0.00
13	27.80	0.00	0.00	495.88	2.66	2256.97	13	0.00	0.00	0.00	0.00	0.25	257.09	13	0.00	0.00	0.00	0.00	0.00	0.00
14	27.79	0.00	0.00	495.88	4.32	1784.56	14	0.00	0.00	0.00	0.00	0.49	256.60	14	0.00	0.00	0.00	0.00	0.00	0.00
15	71.96	1358.74	127.88	495.88	2.06	2589.45	15	0.00	317.42	0.00	0.00	0.30	573.72	15	0.00	126.22	0.00	126.22	0.00	0.00
16	126.69	1.66	1.66	495.88	4.07	2216.19	16	0.00	0.00	0.00	0.00	0.90	572.82	16	0.00	0.00	0.00	0.00	0.00	0.00
17	114.42	1.19	1.19	495.88	3.94	1830.79	17	0.00	0.00	0.00	0.00	1.02	571.80	17	0.00	0.00	0.00	0.00	0.00	0.00
18	49.22	0.79	0.79	495.88	3.29	1380.84	18	0.00	0.00	0.00	0.00	1.03	570.77	18	0.00	0.00	0.00	0.00	0.00	0.00
19	49.25	0.79	0.79	495.88	2.61	931.60	19	0.00	0.00	0.00	0.00	1.08	569.69	19	0.00	0.00	0.00	0.00	0.00	0.00
20	49.24	0.79	0.79	495.88	1.37	483.59	20	0.00	0.00	0.00	495.88	0.84	72.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	49.25	0.79	0.79	495.88	0.99	35.97	21	0.00	0.00	0.00	72.82	0.15	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	49.00	0.79	0.79	0.00	0.09	84.88	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	48.74	0.79	0.79	0.00	0.17	133.45	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	49.10	0.79	0.79	0.00	0.26	182.29	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	49.72	0.79	0.79	0.00	0.35	231.66	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	49.72	0.79	0.79	0.00	0.45	280.93	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	49.89	0.79	0.79	0.00	0.64	330.18	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	49.49	0.79	0.79	0.00	0.79	378.88	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	49.43	0.79	0.79	0.00	0.60	427.71	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	49.32	0.79	0.79	0.00	0.94	476.09	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
2068.08 1386.72 155.86 5248.06 81.77							211.20 317.42 9.54 568.70 8.83						0.00 126.22 0.00 282.38 2.55							

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream						OffsetAccount-Consumable Kansas Charge							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1305.24							581.45						506.63							
1	51.10	1.06	1.06	0.00	1.39	1354.95	1	29.98	1.06	0.00	0.00	0.62	611.87	1	0.00	0.00	0.00	0.00	0.54	506.09
2	136.26	1.06	1.98	0.00	1.63	1488.66	2	115.14	1.06	0.92	0.00	0.74	726.41	2	0.00	0.00	0.00	0.00	0.61	505.48
3	154.59	1.06	2.72	0.00	1.95	1639.64	3	133.47	1.06	1.66	0.00	0.95	858.33	3	0.00	0.00	0.00	0.00	0.66	504.82
4	154.59	1.06	2.72	0.00	2.14	1790.43	4	133.47	1.06	1.66	0.00	1.12	990.08	4	0.00	0.00	0.00	0.00	0.66	504.16
5	138.86	1.06	2.14	0.00	2.38	1925.83	5	117.74	1.06	1.08	0.00	1.32	1106.48	5	0.00	0.00	0.00	0.00	0.67	503.49
6	109.40	0.00	0.00	0.00	3.87	2031.36	6	88.28	0.00	0.00	0.00	2.22	1192.54	6	0.00	0.00	0.00	0.00	1.01	502.48
7	109.18	1.06	1.06	0.00	5.79	2134.75	7	88.06	1.06	0.00	0.00	3.40	1278.26	7	0.00	0.00	0.00	0.00	1.43	501.05
8	51.91	1.06	1.06	0.00	3.90	2182.76	8	30.79	1.06	0.00	0.00	2.33	1307.78	8	0.00	0.00	0.00	0.00	0.92	500.13
9	48.74	1.06	1.06	0.00	3.29	2228.21	9	27.62	1.06	0.00	0.00	1.97	1334.49	9	0.00	0.00	0.00	0.00	0.75	499.38
10	48.44	1.06	1.06	0.00	1.85	2274.80	10	27.32	1.06	0.00	0.00	1.11	1361.76	10	0.00	0.00	0.00	0.00	0.41	498.97
11	27.38	0.00	0.00	289.26	1.88	2011.04	11	27.38	0.00	0.00	0.00	1.13	1388.01	11	0.00	0.00	0.00	133.10	0.41	365.46
12	27.60	0.00	0.00	365.13	1.80	1671.71	12	27.60	0.00	0.00	0.00	1.24	1414.37	12	0.00	0.00	0.00	365.13	0.33	0.00
13	27.80	0.00	0.00	0.00	1.63	1697.88	13	27.80	0.00	0.00	0.00	1.38	1440.79	13	0.00	0.00	0.00	0.00	0.00	0.00
14	27.79	0.00	0.00	0.00	3.25	1722.42	14	27.79	0.00	0.00	0.00	2.76	1465.82	14	0.00	0.00	0.00	0.00	0.00	0.00
15	71.96	1267.00	127.88	371.09	1.99	2560.43	15	71.96	823.36	127.88	244.87	1.69	1986.71	15	0.00	0.00	0.00	0.00	0.00	0.00
16	126.69	0.00	1.66	495.88	4.02	2185.56	16	126.69	0.00	1.66	495.88	3.12	1612.74	16	0.00	0.00	0.00	0.00	0.00	0.00
17	114.42	0.00	1.19	495.88	3.89	1799.02	17	114.42	0.00	1.19	495.88	2.87	1227.22	17	0.00	0.00	0.00	0.00	0.00	0.00
18	49.22	0.00	0.79	495.88	3.23	1348.34	18	49.22	0.00	0.79	495.88	2.20	777.57	18	0.00	0.00	0.00	0.00	0.00	0.00
19	49.25	0.00	0.79	495.88	2.55	898.37	19	49.25	0.00	0.79	495.88	1.47	328.68	19	0.00	0.00	0.00	0.00	0.00	0.00
20	49.24	0.00	0.79	495.88	1.32	449.62	20	49.24	0.00	0.79	0.00	0.48	376.65	20	0.00	0.00	0.00	0.00	0.00	0.00
21	49.25	0.00	0.79	495.88	0.92	1.28	21	49.25	0.00	0.79	423.06	0.77	1.28	21	0.00	0.00	0.00	0.00	0.00	0.00
22	49.00	0.00	0.79	0.00	0.00	49.49	22	49.00	0.00	0.79	0.00	0.00	49.49	22	0.00	0.00	0.00	0.00	0.00	0.00
23	48.74	0.00	0.79	0.00	0.10	97.34	23	48.74	0.00	0.79	0.00	0.10	97.34	23	0.00	0.00	0.00	0.00	0.00	0.00
24	49.10	0.00	0.79	0.00	0.19	145.46	24	49.10	0.00	0.79	0.00	0.19	145.46	24	0.00	0.00	0.00	0.00	0.00	0.00
25	49.72	0.00	0.79	0.00	0.28	194.11	25	49.72	0.00	0.79	0.00	0.28	194.11	25	0.00	0.00	0.00	0.00	0.00	0.00
26	49.72	0.00	0.79	0.00	0.38	242.66	26	49.72	0.00	0.79	0.00	0.38	242.66	26	0.00	0.00	0.00	0.00	0.00	0.00
27	49.89	0.00	0.79	0.00	0.55	291.21	27	49.89	0.00	0.79	0.00	0.55	291.21	27	0.00	0.00	0.00	0.00	0.00	0.00
28	49.49	0.00	0.79	0.00	0.70	339.21	28	49.49	0.00	0.79	0.00	0.70	339.21	28	0.00	0.00	0.00	0.00	0.00	0.00
29	49.43	0.00	0.79	0.00	0.54	387.31	29	49.43	0.00	0.79	0.00	0.54	387.31	29	0.00	0.00	0.00	0.00	0.00	0.00
30	49.32	0.00	0.79	0.00																

OffsetAccount-ReturnFlow

Totals

OffsetAccount-ReturnFlow

RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1201.73							233.77
1	0.00	0.00	0.00	0.00	1.28	1200.45	1	0.00	0.00	0.00	0.00	0.25	233.52
2	0.00	0.92	0.00	0.00	1.45	1199.92	2	0.00	0.00	0.00	0.00	0.28	233.24
3	0.00	1.66	0.00	0.00	1.58	1200.00	3	0.00	0.00	0.00	0.00	0.31	232.93
4	0.00	1.66	0.00	0.00	1.56	1200.10	4	0.00	0.00	0.00	0.00	0.30	232.63
5	0.00	1.08	0.00	0.00	1.61	1199.57	5	0.00	0.00	0.00	0.00	0.31	232.32
6	0.00	0.00	0.00	0.00	2.41	1197.16	6	0.00	0.00	0.00	0.00	0.47	231.85
7	0.00	0.00	0.00	0.00	3.41	1193.75	7	0.00	0.00	0.00	0.00	0.66	231.19
8	0.00	0.00	0.00	0.00	2.18	1191.57	8	0.00	0.00	0.00	0.00	0.42	230.77
9	0.00	0.00	0.00	0.00	1.80	1189.77	9	0.00	0.00	0.00	0.00	0.35	230.42
10	0.00	0.00	0.00	0.00	0.98	1188.79	10	0.00	0.00	0.00	0.00	0.19	230.23
11	0.00	0.00	0.00	0.00	0.98	1187.81	11	0.00	0.00	0.00	0.00	0.19	230.04
12	0.00	0.00	0.00	130.75	1.06	1056.00	12	0.00	0.00	0.00	0.00	0.21	229.83
13	0.00	0.00	0.00	495.88	1.03	559.09	13	0.00	0.00	0.00	0.00	0.22	229.61
14	0.00	0.00	0.00	495.88	1.07	62.14	14	0.00	0.00	0.00	194.42	0.44	34.75
15	0.00	91.74	0.00	124.79	0.07	29.02	15	0.00	18.08	0.00	52.79	0.04	0.00
16	0.00	1.66	0.00	0.00	0.05	30.63	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	1.19	0.00	0.00	0.05	31.77	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.79	0.00	0.00	0.06	32.50	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.79	0.00	0.00	0.06	33.23	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.79	0.00	0.00	0.05	33.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.79	0.00	0.00	0.07	34.69	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.79	0.00	0.00	0.09	35.39	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.79	0.00	0.00	0.07	36.11	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.79	0.00	0.00	0.07	36.83	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.79	0.00	0.00	0.07	37.55	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.79	0.00	0.00	0.07	38.27	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.79	0.00	0.00	0.09	38.97	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.79	0.00	0.00	0.09	39.67	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.79	0.00	0.00	0.06	40.40	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.79	0.00	0.00	0.09	41.10	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	110.18	0.00	1247.30	23.51			0.00	18.08	0.00	247.22	4.64	

OffsetAccount-ReturnFlow

Return Flow

OffsetAccount-ReturnFlow

Keesee Winter

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						945.37							22.59
1	0.00	0.00	0.00	0.00	1.01	944.36	1	0.00	0.00	0.00	0.00	0.02	22.57
2	0.00	0.00	0.00	0.00	1.14	943.22	2	0.00	0.92	0.00	0.00	0.03	23.46
3	0.00	0.00	0.00	0.00	1.24	941.98	3	0.00	1.66	0.00	0.00	0.03	25.09
4	0.00	0.00	0.00	0.00	1.23	940.75	4	0.00	1.66	0.00	0.00	0.03	26.72
5	0.00	0.00	0.00	0.00	1.26	939.49	5	0.00	1.08	0.00	0.00	0.04	27.76
6	0.00	0.00	0.00	0.00	1.88	937.61	6	0.00	0.00	0.00	0.00	0.06	27.70
7	0.00	0.00	0.00	0.00	2.67	934.94	7	0.00	0.00	0.00	0.00	0.08	27.62
8	0.00	0.00	0.00	0.00	1.71	933.23	8	0.00	0.00	0.00	0.00	0.05	27.57
9	0.00	0.00	0.00	0.00	1.41	931.82	9	0.00	0.00	0.00	0.00	0.04	27.53
10	0.00	0.00	0.00	0.00	0.77	931.05	10	0.00	0.00	0.00	0.00	0.02	27.51
11	0.00	0.00	0.00	0.00	0.77	930.28	11	0.00	0.00	0.00	0.00	0.02	27.49
12	0.00	0.00	0.00	130.75	0.83	798.70	12	0.00	0.00	0.00	0.00	0.02	27.47
13	0.00	0.00	0.00	495.88	0.78	302.04	13	0.00	0.00	0.00	0.00	0.03	27.44
14	0.00	0.00	0.00	301.46	0.58	0.00	14	0.00	0.00	0.00	0.00	0.05	27.39
15	0.00	72.00	0.00	72.00	0.00	0.00	15	0.00	1.66	0.00	0.00	0.03	29.02
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	1.66	0.00	0.00	0.05	30.63
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	1.19	0.00	0.00	0.05	31.77
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.79	0.00	0.00	0.06	32.50
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.79	0.00	0.00	0.06	33.23
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.79	0.00	0.00	0.05	33.97
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.79	0.00	0.00	0.07	34.69
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.79	0.00	0.00	0.09	35.39
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.79	0.00	0.00	0.07	36.11
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.79	0.00	0.00	0.07	36.83
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.79	0.00	0.00	0.07	37.55
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.79	0.00	0.00	0.07	38.27
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.79	0.00	0.00	0.09	38.97
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.79	0.00	0.00	0.09	39.67
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.79	0.00	0.00	0.06	40.40
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.79	0.00	0.00	0.09	41.10
	0.00	72.00	0.00	1000.09	17.28			0.00	20.10	0.00	0.00	1.59	

**Enclosure 2**

**Lease between Pueblo Board of Water Works and Lower Arkansas Valley Water  
Conservancy District**

## SHORT-TERM WATER LEASE

This Short-Term Water Lease (the "Lease") is entered into this 31<sup>st</sup> day of May 2005, by and between the Board of Water Works of Pueblo, Colorado (hereinafter called "Board") and the Lower Arkansas Valley Water Conservancy District (hereinafter called "Lessee").

### RECITALS:

- A. The water use that is the subject of this Lease is a type not normally within any regular rate schedule established by the Board and the parties agree that the terms of lease and delivery of water for the purposes set forth below should be the subject of this special Lease;
- B. Lessee desires to lease raw water from the Board to assist well users in complying with the Arkansas River Compact.
- C. The Board is willing to supply raw water to Lessee for its use for these purposes subject to the terms of this Lease.

In consideration of the foregoing recitals, the mutual promises contained herein, and the payments to be made hereunder, the parties agree as follows:

1. Delivery of Consumable Water. The Board agrees to deliver to Lessee fully consumable Arkansas River water that the Board either owns or will acquire through trades. The water will be delivered to John Martin Reservoir. The Lessee will be responsible for any transit losses or evaporation losses associated with delivering the water to John Martin Reservoir.
2. Term. The term of this Lease shall be from the date of execution of this Agreement through July 31, 2005
3. Delivery of Raw Water. The water to be delivered hereunder is raw, untreated water.
4. Reuse Rights. Once delivered to Lessee, all rights to reuse the water subject to this Agreement shall belong to Lessee and the Board shall have no further reuse rights.
5. Quantity. The Board will deliver to Lessee 1,004 acre-feet of water during the term of this Agreement.
6. Charge. Lessee will pay the Board \$9 per acre-foot for the 1,004 acre-feet of water leased under this Agreement for a total lease price of \$9,036.
7. Payment. Payment for water shall be made by the Lessee upon execution of this Agreement. No water will be delivered until payment is made in full.

8. Pueblo City Charter Provision. This Lease involves the use of water outside the territorial limits of the City of Pueblo and is specifically limited by the provisions of the City Charter governing such use. The Charter provides, among other things, that: "The Board of Water Works shall have and exercise all powers which are granted to Cities of the First Class by the Constitution and laws of the State of Colorado, except the power to levy and collect taxes directly or indirectly. Surplus water may be supplied to territories outside the City until same is needed by the inhabitants of the City."
9. Determination of Water Availability by the Board. The extent to which limitations on water delivery outside the City of Pueblo is, or may be, necessary to enable the Board to provide adequately for users inside the City of Pueblo is a fact to be determined by the Board in the exercise of its reasonable discretion from time to time as the circumstances may require.
10. Interruption of Water Supply Beyond the Board's Control. The Board has determined that the welfare of City of Pueblo requires a stable water supply not only for its inhabitants but also for the other customers of the Board putting to beneficial use the water belonging to the Board. While it is the Board's purpose to maintain a water supply adequate to meet the needs of the metropolitan area logically dependent on the Board for water supply and to permit it to supply other temporary contract customers, there are many elements that make it uncertain whether the water supply can always be adequate for all such users. Both parties to this Lease recognize that the water supply for the Board and its water customers is dependent upon sources from which the supply is variable in quantity and beyond the control of the Board. The Board is not liable in tort or contract under this Lease on account of any failure to accurately anticipate availability of water supply or because of an actual failure to supply water due to inadequate runoff or inadequate storage, or any conditions arising from an occurrence beyond the reasonable control of the Board, including, but not limited to, act of God, strike, war, insurrection, or inability to serve arising out of the order of any court, or the lawful order of any governmental administrative body or agency clothed with authority to regulate matters pertaining to water, public utilities, public health, or pollution control.
11. Emergency Water Shortages. The parties agree that, from time to time, emergency situations may arise where it is necessary for the Board to limit the use of water by extra-territorial contract customers. The parties agree that the necessity for such limitation is a fact to be determined by the Board in the exercise of its reasonable discretion from time to time, as occasion may require. It is hereby agreed that the Board may adopt, in the situation of shortage, such reasonable restrictions on uses or priorities for curtailment of use, as may be necessary to adapt to such emergency conditions or shortage, including reductions in water deliveries under this Lease. Lessee agrees that the Board is not liable in tort or contract under this Lease on the account of the necessity for adopting and implementing such policies to meet emergency conditions or shortage. In the event that the Board is unable to make the deliveries of water to

Lessee specified in this Lease, then Lessee's payment for water shall be reduced or refunded in proportion to any reduction of deliveries by the Board.

12. Prior Agreement Priority of Curtailment. The Board has entered into an agreement with Pueblo Suburban Development, L.L.C., dated May 14, 2003, in which the Board agrees to supply up to 5,500 acre feet per annum of water to Pueblo Suburban Development, L.L.C., for a term commencing twenty-five (25) years beginning January 1, 2004. Pueblo Suburban Development, L.L.C., has an option to extend that agreement for one time for an additional fifteen (15) years. That agreement contains paragraphs 14, 15 and 16, which paragraphs are very similar to paragraphs 9, 10 and 11 of this agreement concerning the right of the Board under certain circumstances to curtail water deliveries to extraterritorial customers of the Board. The agreement between the Board and Pueblo Suburban Development, L.L.C., contains the following provision:

"The Board and Pueblo Suburban acknowledge that the Board may enter into future agreements with extraterritorial customers for the delivery of untreated water by the Board. The Board agrees that during the term of this agreement or any extension thereof that should the Board exercise its rights under paragraphs 14, 15 and 16 of this agreement to curtail water deliveries to extraterritorial customers of the Board that the Board will curtail the extraterritorial raw water supplies under agreements that it may enter into with customers after the date of this agreement before curtailing water supplies to Pueblo Suburban."

13. Limitations Concerning Subsequent Extra-Territorial Water Customers. The Board shall not use the provisions of Paragraphs 9 through 11 to curtail extra-territorial water supplies to Lessee in order to lease water to new extra-territorial water customers of the Board at higher water charges.
14. Not a Permanent Supply. The parties understand and agree that this Lease is not to be interpreted as any commitment on the part of the Board to furnish water to Lessee on a permanent basis, but rather is to assist the Lessee in supplementing Lessee's own water supplies by water leased from the Board for a temporary period.
15. Assignability. This Lease may be assigned by Lessee subject to prior written approval of said assignment by the Board, which approval shall not be unreasonably withheld.
16. Substitute Supply Plans and Augmentation Plans. The Board agrees that the water to be delivered under this Lease may be used in substitute supply plans and augmentation plans, and that it will cooperate with Lessee to provide information regarding its water rights that may be needed to obtain approval of Lessee's temporary substitute supply plans and/or augmentation plans. Lessee will provide any administrative or judicial body acting on its temporary substitute supply plan or augmentation plan a copy of this Lease. All costs for review and/or approval of

any such plans shall be borne by Lessee, and Lessee shall provide a copy of all such approved plans to the Board.

17. Waiver. Unless stated otherwise herein, failure of either party to this Lease to exercise any right hereunder shall not be deemed a waiver of such party's right and shall not affect the right of said party to exercise, at some future time, said right or rights or any other right it may have hereunder. No waiver of any of the provisions of this Lease shall be deemed or shall constitute a waiver of any other provision, whether or not similar, nor shall any waiver constitute a continuing waiver. No waiver shall be binding unless executed in writing by the party making the waiver.
18. No Exclusive Right or Privilege. Nothing in this Lease is to be construed as a grant by the Board of any exclusive right or privilege.
19. Title to Water Rights. Nothing in this Lease is to be interpreted as giving the Lessee any legal or equitable title in or to any of the Board's water or water rights.
20. Remedies. In the event that either party defaults in the performance of any of its obligations under this Lease, each party shall have all remedies provided in this Lease or by law or equity, but neither party shall have the right of specific performance against the other. In the event of litigation, the prevailing party shall be entitled to its litigation costs, including reasonable attorney's fees.
21. Default, Right to Cure. In the event that either party believes that the other is in default of any obligation under this Lease, the non-defaulting party shall promptly give written notice of the default to the defaulting party. If a notice of default is provided, the party accused of the default shall either cure it or provide a written statement explaining why it is not in default. If the alleged default is not cured or otherwise resolved within thirty (30) days, the parties may resort to their remedies.
22. Right to Enter Lease. Each party hereby warrants and represents that it has the full right and lawful authority to enter into this Lease.
23. Governing Law. This Lease shall be governed by the laws of the State of Colorado in all respects.
24. Headings. The headings used to designate the various sections of this Lease are solely for the convenience of reference and shall not be construed to define or limit any of the terms or provisions hereof.
25. No Third Party Beneficiaries. Except as expressly provided otherwise, this Lease is intended to be solely for the benefit of the parties and their respective successors and permitted



assigns, and this Lease shall not otherwise be deemed to confer upon or give to any other person or third party any remedy, claim, cause of action or other right.

26. Entire Agreement, Modification. This Lease constitutes the entire agreement between the parties pertaining to the subject matter described in it and supersedes any and all prior contemporaneous agreements, representations, and understandings. No supplement, modification, or amendment of this Lease shall be binding unless executed in writing by all parties.

IN WITNESS WHEREOF, the Board and Lessee have executed this Lease on their respective behalf and by their proper officers.

**BOARD OF WATER WORKS OF  
PUEBLO, COLORADO**

By:   
Executive Director

**LOWER ARKANSAS VALLEY WATER  
CONSERVANCY DISTRICT**

By: 

**Enclosure 3**

**Information on Source of Water from PBWW and Aurora**



"Witte, Steve"  
<Steve.Witte@dwr.state.co.us>  
s>

06/15/2005 07:10 PM

"Morey, Monique" <Monique.Morey@dwr.state.co.us>, "Tom Simpson" <tsimpson@rural-com.com>, "Ward, Alan" <award@pueblowater.org>, <info@flcc.net>  
"Ringle, Allen" <aringle@centurytel.net>, "Tyner, Bill" <Bill.Tyner@dwr.state.co.us>, "Flory, Joe" <Joe.Flory@dwr.state.co.us>, "Jay Winner (E-mail)"

bcc

Subject RE: Meredith-JMR-Turquoise Exchange Ft. Lyon

Dear Alan and Tom;  
Unless you have more formal documentation of an agreement to exchange water between Turquoise and Meridith as described below, that you are willing to provide to me; will you each of you indicate your concurrence by signing a copy (separate copies is ok) of this email and forward it to me to be used to document the delivery to the Offset Account for the Compact Administration and Kansas? This will be greatly appreciated. We intend to make this transfer effective as of 2400 hours today. Thanks.

Sincerely,  
Steve

-----Original Message-----

From: Morey, Monique  
Sent: Friday, June 10, 2005 5:52 PM  
To: 'Tom Simpson'; Ward, Alan; 'info@flcc.net'  
Cc: Ringle, Allen; Tyner, Bill; Flory, Joe; Witte, Steve; Jay Winner (E-mail)  
Subject: Meredith-JMR-Turquoise Exchange Ft. Lyon

All,

I believe we have obtained verbal agreement from the parties involved in this transaction.

Here is a summary, as I understand it:

LAVWCD has leased 1004 AF from PBWW, which LAVWCD would like to contract exchange to the Offset account in John Martin Reservoir. PBWW is holding this water in Turquoise Reservoir. Aurora has 1004 AF of water in Lake Meredith which they would like to contract exchange to Turquoise. Fort Lyon has 1004 AF of Article III winter water in John Martin Reservoir that they would like to contract exchange to Lake Meredith.

One of the details needed to make these transactions final is the transmission of a letter to Kansas notifying them of a delivery to the Offset account. Bill Tyner will need to do this after he returns to work next Wednesday, June 15th. Therefore, please plan for this transaction to take place during the later part of next week.

Please let me know if there are any questions or problems with regard to this, or if I have missed any details.

Thanks,

Monique Morey  
Reservoir Operations  
Colorado Division of Water Resources  
Division 2, Pueblo Office  
Phone: (719) 542-3368 x 2116

Tom Simpson  
RECEIVED

From: Witte, Steve [Steve.Witte@dwr.state.co.us]  
Sent: JUN 21 2005 Friday, June 17, 2005 7:08 PM  
To: Tom Simpson  
Subject: DIVISION ENGINEER RE: Meredith-JMR-Turquoise Exchange Ft. Lyon  
PUEBLO, COLORADO

If it is not too much trouble, please print off a copy of what you sent me , sign it and drop it in the mail.

Thanks,  
Steve

-----Original Message-----

From: Tom Simpson [mailto:tsimpson@rural-com.com]  
Sent: Friday, June 17, 2005 2:27 PM  
To: Witte, Steve; Morey, Monique; Ward, Alan; info@flcc.net  
Cc: Ringle, Allen; Tyner, Bill; Flory, Joe; Jay Winner (E-mail)  
Subject: RE: Meredith-JMR-Turquoise Exchange Ft. Lyon

Steve,

I didn't know if you wanted me to actually sign a hard copy of this e-mail and return it to your office, or just indicate my concurrence. Let me know if you would like a signed hard copy returned. If not, you can proceed as outlined.

Thank, Tom

-----Original Message-----

From: Witte, Steve [mailto:Steve.Witte@dwr.state.co.us]  
Sent: Wednesday, June 15, 2005 7:11 PM  
To: Morey, Monique; Tom Simpson; Ward, Alan; info@flcc.net  
Cc: Ringle, Allen; Tyner, Bill; Flory, Joe; Jay Winner (E-mail)  
Subject: RE: Meredith-JMR-Turquoise Exchange Ft. Lyon

Dear Alan and Tom;

Unless you have more formal documentation of an agreement to exchange water between Turquoise and Meridith as described below, that you are willing to provide to me; will you each of you indicate your concurrence by signing a copy (seperate copies is ok) of this email and forward it to me to be used to document the delivery to the Offset Account for the Compact Administration and Kansas? This will be greatly appreciated. We intend to make this transfer effective as of 2400 hours today. Thanks.

Sincerely,  
Steve

-----Original Message-----

From: Morey, Monique  
Sent: Friday, June 10, 2005 5:52 PM  
To: 'Tom Simpson'; Ward, Alan; 'info@flcc.net'  
Cc: Ringle, Allen; Tyner, Bill; Flory, Joe; Witte, Steve; Jay Winner (E-mail)  
Subject: Meredith-JMR-Turquoise Exchange Ft. Lyon

All,

I believe we have obtained verbal agreement from the parties involved in this transaction.

Here is a summary, as I understand it:

LAVWCD has leased 1004 AF from PBWW, which LAVWCD would like to contract exchange to the Offset account in John Martin Reservoir. PBWW is holding this water in Turquoise Reservoir. Aurora has 1004 AF of water in Lake Meredith which they would like to contract exchange to Turquoise. Fort Lyon has 1004 AF of Article III winter water in John Martin Reservoir that they would like to contract exchange to Lake Meredith.

One of the details needed to make these transactions final is the transmission of a letter to Kansas notifying them of a delivery to the Offset account. Bill Tyner will need to do this after he returns to work next Wednesday, June 15th. Therefore, please plan for this transaction to take place during the later part of next week.

Please let me know if there are any questions or problems with regard to this, or if I have missed any details.

Thanks,

Monique Morey  
Reservoir Operations  
Colorado Division of Water Resources  
Division 2, Pueblo Office  
Phone: (719) 542-3368 x 2116

**Enclosure 4**

**Agreement between LAVWCD and Fort Lyon Canal Company**  
**Agreement between LAVWCD and Well Users Groups**

RECEIVED

JN 27 2005

VISION ENGINEER  
PUEBLO, COLORADO June 15, 2005

COPY

Manny Torrez  
Fort Lyon Canal Company  
750 Bent Avenue  
Las Animas, CO 81054

Re: Agreement between Lower Arkansas Valley Water Conservancy District  
and the Fort Lyon Canal Company

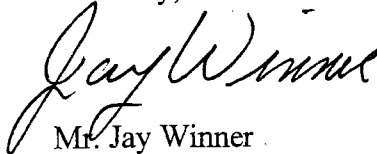
Dear Sir;

This letter confirms the contractual agreement between Lower Arkansas Valley Water Conservancy District (the District) and the Fort Lyon Canal Company (Fort Lyon). The purpose of this arrangement is to affect an exchange of water described as follows:

1. The District acquired 1004 acre-feet of fully-consumable "East-Slope" water stored in Lake Meredith through a lease from the Pueblo Board of Water Works executed on May 31, 2005.
2. The District booked-over the 1004 acre-feet of fully-consumable "East-Slope" water in Lake Meredith to Fort Lyon and, in exchange, Fort Lyon booked-over 1004 acre-feet of water in its Section III account in John Martin Reservoir to the District. The result of this transaction was that an additional 1004 acre-feet of native water that had been stored in the Fort Lyon Section III account was made to reside in Lake Meredith and 1004 acre-feet of fully-consumable "East-Slope" water was caused to reside in John Martin Reservoir.
3. The District assigned the 1004 acre-feet of fully-consumable "East-Slope" water transferred to John Martin Reservoir to various well owners represented by well associations for delivery into the Offset account.
4. The transactions set forth in paragraphs 1 through 3, above, occurred simultaneously on June 15, 2005 at 2400 hours.

If the terms of this contractual arrangement are acceptable to Fort Lyon, please signify this in the place specified below. I have included two (2) originals; please have one executed original returned to me.

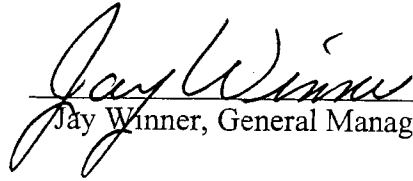
Sincerely,



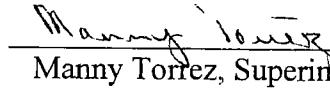
Mr. Jay Winner  
Lower Ark. Valley. Water Cons. Dist.

Enclosures

The foregoing terms and conditions of the contractual arrangement specified herein are agreed to by Lower Arkansas Valley Water Conservancy District by Jay Winner, General Manager.

  
\_\_\_\_\_  
Jay Winner, General Manager

The foregoing terms and conditions of the contractual arrangement specified herein are agreed to by the Fort Lyon Canal Company by Manny Torrez, Superintendent.

  
\_\_\_\_\_  
Manny Torrez, Superintendent



**Assignment**

**Whereas**, the Lower Arkansas Valley Water Conservancy District (District) was formed to acquire, retain, and conserve native water flowing in the Arkansas River and its tributaries; to insure that such water remain in the valley for the socio-economic benefit of the citizens of Pueblo, Otero, Crowley, Bent and Prowers Counties; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley, and;

**Whereas**, the District, acting through it's Board of Directors on February 9, 2005, committed to lease as much fully consumable native water from the Pueblo Board of Water Works (PBWW) as PBWW will agree to lease to the District in 2005 for the purpose of reducing the apparent unreplaced depletion to usable Stateline flows that has occurred as a result of post-Compact well pumping by irrigation well owners within the District during the period 1997-2004, and;

**Whereas**, the District has leased 1004 acre-feet of such water from PBWW, pursuant to a lease agreement dated May 31, 2005, and;

**Whereas**, said quantity of water has been delivered into the Offset Account in John Martin Reservoir in order to accomplish the aforesaid purpose through an exchange;

**Now, therefore**, this document shall attest that the District has assigned said quantity of water to the well associations / owners named hereafter, and the well association representatives or well owners, by their signatures below agree that said water should be apportioned among their associations / individual wells in proportion to their respective contributions to the accumulated unreplaced depletions to usable Stateline flow as determined by the State and Division Engineers.

Lower Arkansas Valley Water Cons. Dist.

*Gary Winick*

Arkansas Ground Water Users Assn.

*RJ Brown*

Colorado Water Protective and Dev. Assn.

Lower Arkansas Water Management Assn.

Date: *6-20-05*

Ft. Lyon Well Assn

FNMC Well Assn.

Sylvia McComber

## Assignment

**Whereas**, the Lower Arkansas Valley Water Conservancy District (District) was formed to acquire, retain, and conserve native water flowing in the Arkansas River and its tributaries; to insure that such water remain in the valley for the socio-economic benefit of the citizens of Pueblo, Otero, Crowley, Bent and Prowers Counties; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley, and;

**Whereas**, the District, acting through it's Board of Directors on February 9, 2005, committed to lease as much fully consumable native water from the Pueblo Board of Water Works (PBWW) as PBWW will agree to lease to the District in 2005 for the purpose of reducing the apparent unreplaced depletion to usable Stateline flows that has occurred as a result of post-Compact well pumping by irrigation well owners within the District during the period 1997-2004, and;

**Whereas**, the District has leased 1004 acre-feet of such water from PBWW, pursuant to a lease agreement dated May 31, 2005, and;

**Whereas**, said quantity of water has been delivered into the Offset Account in John Martin Reservoir in order to accomplish the aforesaid purpose through an exchange;

**Now, therefore**, this document shall attest that the District has assigned said quantity of water to the well associations / owners named hereafter, and the well association representatives or well owners, by their signatures below agree that said water should be apportioned among their associations / individual wells in proportion to their respective contributions to the accumulated unreplaced depletions to usable Stateline flow as determined by the State and Division Engineers.

Lower Arkansas Valley Water Cons. Dist.

*Gay Winn*  
Arkansas Ground Water Users Assn.

Date: 6-20-05

Ft. Lyon Well Assn

Colorado Water Protective and Dev. Assn.

*Rebecca Wallace*  
Lower Arkansas Water Management Assn.

FNMC Well Assn.

Sylvia McComber

**Assignment**

**Whereas**, the Lower Arkansas Valley Water Conservancy District (District) was formed to acquire, retain, and conserve native water flowing in the Arkansas River and its tributaries; to insure that such water remain in the valley for the socio-economic benefit of the citizens of Pueblo, Otero, Crowley, Bent and Prowers Counties; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley, and;

**Whereas**, the District, acting through it's Board of Directors on February 9, 2005, committed to lease as much fully consumable native water from the Pueblo Board of Water Works (PBWW) as PBWW will agree to lease to the District in 2005 for the purpose of reducing the apparent unreplaced depletion to usable Stateline flows that has occurred as a result of post-Compact well pumping by irrigation well owners within the District during the period 1997-2004, and;

**Whereas**, the District has leased 1004 acre-feet of such water from PBWW, pursuant to a lease agreement dated May 31, 2005, and;

**Whereas**, said quantity of water has been delivered into the Offset Account in John Martin Reservoir in order to accomplish the aforesaid purpose through an exchange;

**Now, therefore**, this document shall attest that the District has assigned said quantity of water to the well associations / owners named hereafter, and the well association representatives or well owners, by their signatures below agree that said water should be apportioned among their associations / individual wells in proportion to their respective contributions to the accumulated unreplaced depletions to usable Stateline flow as determined by the State and Division Engineers.

Lower Arkansas Valley Water Cons. Dist.

*Gay Wine*  
Arkansas Ground Water Users Assn.

Date: *6-20-05*

Ft. Lyon Well Assn

Colorado Water Protective and Dev. Assn.

FNMC Well Assn.

Lower Arkansas Water Management Assn.

*Donald F. Lyb...*

Sylvia McComber

## Assignment

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Lower Arkansas Valley Water Cons. Dist.



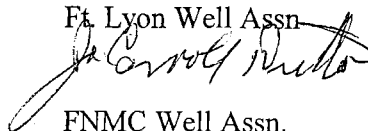
Arkansas Ground Water Users Assn.

Colorado Water Protective and Dev. Assn.

Lower Arkansas Water Management Assn.

Date: 6-20-05

Ft. Lyon Well Assn.



FNMC Well Assn.

Sylvia McComber

RECEIVED

JUL 08 2005

DIVISION ENGINEER  
PUEBLO, COLORADO

**Assignment**

**Whereas**, the Lower Arkansas Valley Water Conservancy District (District) was formed to acquire, retain, and conserve native water flowing in the Arkansas River and its tributaries; to insure that such water remain in the valley for the socio-economic benefit of the citizens of Pueblo, Otero, Crowley, Bent and Prowers Counties; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley, and;

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Lower Arkansas Valley Water Cons. Dist.

*Gay Wink*

Arkansas Ground Water Users Assn.

Date: *6-20-05*

Ft. Lyon Well Assn

Colorado Water Protective and Dev. Assn.

FNMC Well Assn.

*Tom F edge*

Lower Arkansas Water Management Assn.

Sylvia McComber



# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>



Bill Owens  
Governor

Russell George  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

July 21, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Transfer to the Offset Account in John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of a transfer of water to the Offset Account.

The Lower Arkansas Water Management Association (LAWMA) has transferred **136.78 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. A total of **226.86 acre-feet** of water was transferred from LAWMA's X-Y, Stubbs and Keese Section II accounts. 136.78 acre-feet of fully consumable water was placed in the Colorado downstream consumable subaccount, 72 acre-feet was placed in the Return Flow subaccount, and 18.08 acre-feet was placed in the Return Flow Transit Loss subaccount of the Offset Account.

A copy of the accounting spreadsheet for John Martin Reservoir for June 15, 2005 is attached at Enclosure 1. This accounting shows the transfer of water into the subaccounts referenced above.

Using the procedures described in the December 18, 2000 letter from Hal Simpson to you, **SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir**, the following options are presented for the disposition of the portion of the transfer allocated to return flow and return flow transit loss.

Option 1: Using the tables attached at Enclosure 2a-2c, the monthly release of return flow water will be determined using the return flow quantities shown in Table 3 and the actual transit loss computed to deliver the Table 3 quantities to their respective river reaches. Table 4 projects the quantities of these monthly releases using the upper limit values for transit loss computed using the "Livingston Formula" as described in paragraph 8 of the Resolution. Using this option, it is projected that 59.19 acre-feet will be released during the next 12 months to deliver 51.45

acre-feet of usable return flows to the required river reaches. It is proposed that Mark Rude notify me each month to designate when the release for that month should be made and to specify the transit losses that have been computed using the "Livingston Formula" for the designated release day. If this notification is not received by the end of each month, the monthly projected quantities from Table 4 will be placed in the Kansas Consumable Water subaccount of the Offset Account, satisfying the requirement for the delivery of that month's return flow water. Return flows needed to satisfy instate calls by Colorado ditches will be computed based on the percentage of each month that a call is actually placed on the river. The appropriate quantities from Table 2 will be added to the appropriate amount of transit loss and released to the river on the last day of the month, if required.

Option 2: Using the simplified procedure proposed in the December 18, 2000 letter referenced above, for the X-Y Graham Section II water 36.9% or approximately 55.2 acre-feet will be moved from the Return Flow subaccount and Return Flow Transit Loss subaccount of the Offset Account to either the Kansas Consumable Water subaccount or the Kansas Section II account to cover usable return flows, evaporation and transit loss for the return flows resulting from the transfer of Section II water described in this letter. The remaining 4% or approximately 5.9 acre-feet of the transferred water will be placed in the Section II accounts of the Buffalo Canal and the X-Y Canal to replace return flows during the period when these ditches would have placed a call on the river based on historical calls. Using the simplified procedure proposed in the December 18, 2000 letter referenced above, for the Keesee Section II water 12% or approximately 8.1 acre-feet will be move from the Return Flow subaccount and Return Flow Transit Loss subaccount of the Offset Account to either the Kansas Consumable Water subaccount or the Kansas Section II account to cover usable return flows, evaporation and transit loss for the return flows resulting from the transfer of Section II water described in this letter. The remaining 24% or approximately 16.2 acre-feet of the transferred water will be placed in the Section II accounts of the ditches below the Keese to replace return flows during the period when these ditches would have placed a call on the river based on historical calls. Using the simplified procedure proposed in the December 18, 2000 letter referenced above, for the Stubbs Section II water 45% or approximately 4.5 acre-feet will be move from the Return Flow subaccount and Return Flow Transit Loss subaccount of the Offset Account to either the Kansas Consumable Water subaccount or the Kansas Section II account to cover usable return flows, evaporation and transit loss for the return flows resulting from the transfer of Section II water described in this letter.

The following information is provided in accordance with paragraph 3 of the Resolution.

Source of Water Transferred: XY-Graham, Keesee and Stubbs Section II Accounts.

Time Associated With Transfer

Transfer Made At: 2400 hours, June 15, 2005

Extent Water is Fully Consumable:

LAWMA XY-Graham Section II Account water is 65.7% consumable. Keesee Section II Account water is 64.9% consumable. Stubbs Section II Account water is 67.38% consumable.



Return Flow Information

Quantity: 90.08 acre-feet  
Timing: See previous paragraph.  
Location: Return Flow subaccount.

Please provide your instructions for the disposition of the water being delivered as Storage Charge Water.

- Release to River  
 Transfer to Kansas Section II Account  
 Retain in Offset Account

Please provide your instructions for the disposition of the water being delivered as Return Flow water and Return Flow Transit Loss water.

- Use Option 1.  
 Use Option 2 (  to Kansas Consumable Water subaccount or  to Kansas Section II account).

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

2 Enclosures

cc: Kevin Salter  
John Draper  
Dale Book  
Hal Simpson  
Dennis Montgomery  
Carol Angel  
Don Higbee  
Jim Slattery  
Dale Straw  
Joe Flory  
Bill Tyner

**Enclosure 1**

**John Martin Reservoir Accounting for June 15, 2005**

John Martin Daily Report

6/15/2005

Acct	Date	PrevBal	Inflow	TIIn	TOut	Rel	Evap	Balance
<b>Storage</b>								
City								
City/LAMAR	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
Summer Compact	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water								
Winter Water	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
Permanent Pool	6/15/2005	2,095.79	0.00	0.00	0.00	3.56	2.41	2,089.82
Flood Pool	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage	Totals:	2,095.79	0.00	0.00	0.00	3.56	2.41	2,089.82

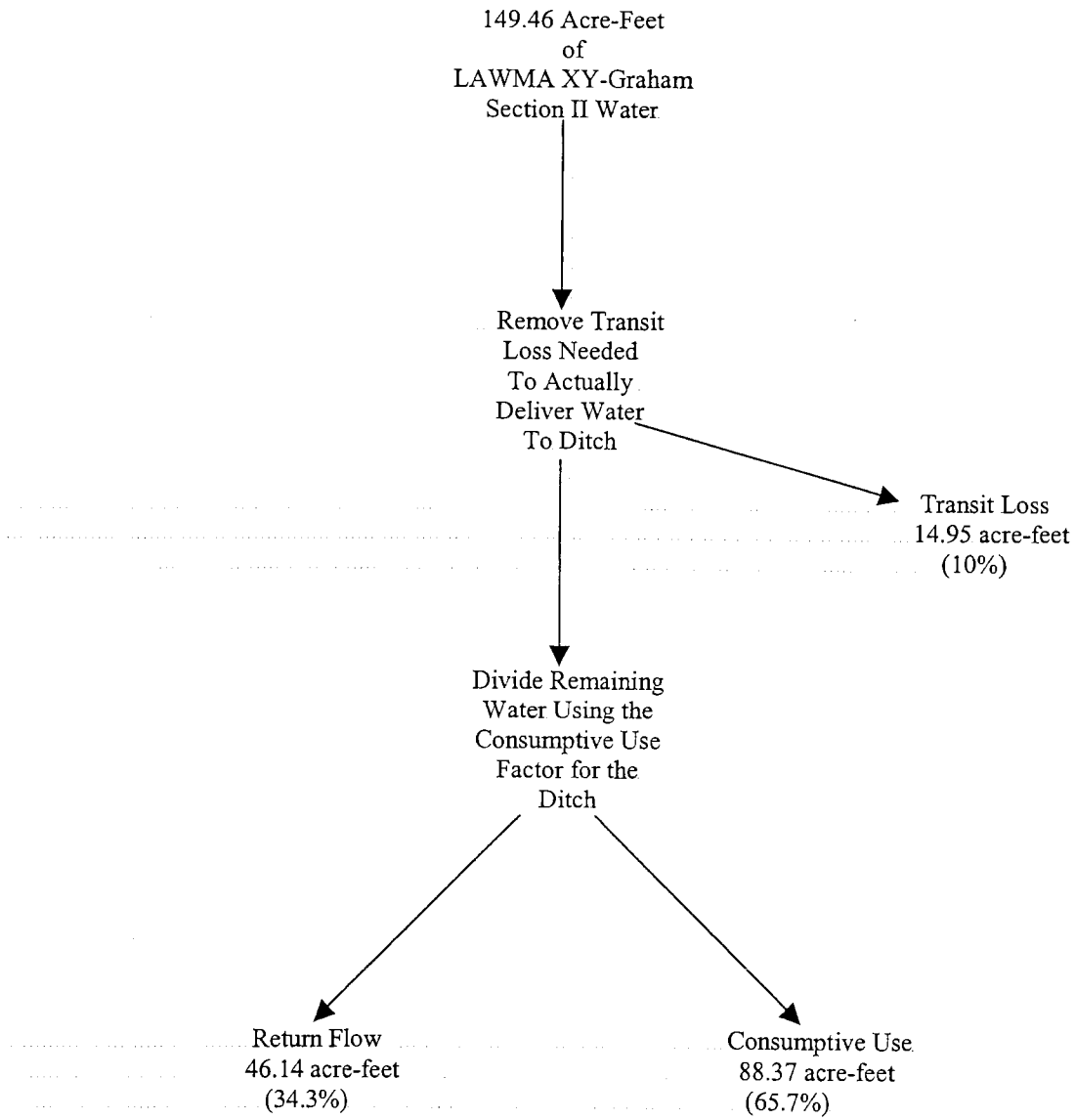
<b>Agreement</b>								
InterState								
Kansas Kansas	6/15/2005	32,416.81	0.00	0.00	0.00	0.00	37.28	32,379.53
Transit Loss	6/15/2005	1,672.52	0.00	0.00	0.00	0.00	1.93	1,670.59
Article III								
Amity	6/15/2005	4,974.85	0.00	0.00	0.00	0.00	5.73	4,969.12
Ft. Lyon	6/15/2005	1,272.49	0.00	0.00	1,004.00	0.00	1.47	267.02
Las Animas	6/15/2005	1,442.18	0.00	0.00	0.00	0.00	1.66	1,440.52
CO Art II								
Prev Winter Stored Keesee	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Ft Bent	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Amity	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Lamar	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Hyde	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored X-Y	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Buffalo	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Sisson	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Stubbs	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Manvel Consu	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Manvel Return	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO Art II								
Cmt Winter Stored Keesee	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored Ft Bent	6/15/2005	1,733.87	0.00	0.00	0.00	0.00	2.00	1,731.87
Cmt Winter Stored Amity	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored Lamar	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored Hyde	6/15/2005	230.54	0.00	0.00	0.00	0.00	0.27	230.27
Cmt Winter Stored X-Y	6/15/2005	904.85	0.00	0.00	0.00	0.00	1.04	903.81
Cmt Winter Stored Buffalo	6/15/2005	1,134.04	0.00	0.00	0.00	0.00	1.31	1,132.73
Cmt Winter Stored Sisson	6/15/2005	152.58	0.00	0.00	0.00	0.00	0.18	152.40
Cmt Winter Stored Stubbs	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored Manvel Consu	6/15/2005	212.90	0.00	0.00	0.00	0.00	0.25	212.65
Cmt Winter Stored Manvel Return	6/15/2005	212.90	0.00	0.00	0.00	0.00	0.25	212.65
CO Art II								
Summer Stored Keesee	6/15/2005	67.46	0.00	0.00	67.38	0.00	0.08	0.00
Summer Stored Ft Bent	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Amity	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Lamar	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Hyde	6/15/2005	135.70	0.00	0.00	0.00	0.00	0.16	135.54
Summer Stored X-Y	6/15/2005	149.63	0.00	0.00	149.46	0.00	0.17	0.00
Summer Stored Buffalo	6/15/2005	249.36	0.00	0.00	0.00	0.00	0.29	249.07
Summer Stored Sisson	6/15/2005	372.81	0.00	0.00	0.00	0.00	0.43	372.38
Summer Stored Stubbs	6/15/2005	10.04	0.00	0.00	10.03	0.00	0.01	0.00
Summer Stored Manvel Consumabl	6/15/2005	434.41	0.00	0.00	0.00	0.00	0.50	433.91
Summer Stored Manvel Return Flo	6/15/2005	451.57	0.00	0.00	0.00	0.00	0.52	451.05
Agreement	Totals:	48,231.48	0.00	0.00	1,230.86	0.00	55.53	46,945.09

<b>OffsetAccount</b>								
Consumable								
Upstream	6/15/2005	256.60	0.00	317.42	0.00	0.00	0.30	573.72
Downstream	6/15/2005	1,465.82	71.96	823.36	127.88	244.87	1.69	1,986.71
Kansas	6/15/2005	0.00	0.00	126.22	0.00	126.22	0.00	0.00
Kansas Charge	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Return Flow	6/15/2005	0.00	0.00	72.00	0.00	72.00	0.00	0.00
RF Transit Loss	6/15/2005	34.75	0.00	18.08	0.00	52.79	0.04	0.00
Keesee Winter	6/15/2005	27.39	0.00	1.66	0.00	0.00	0.03	29.02
OffsetAccount	Totals:	1,784.56	71.96	1,358.74	127.88	495.88	2.06	2,589.45

Reservoir	Totals:	52,111.83	71.96	1,358.74	1,358.74	499.44	60.00	51,624.35
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<b>Colorado Article II Summary</b>								
Keesee	6/15/2005	67.46	0.00	0.00	67.38	0.00	0.08	0.00
Ft Bent	6/15/2005	1,733.87	0.00	0.00	0.00	0.00	2.00	1,731.87
Amity	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lamar	6/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyde	6/15/2005	366.24	0.00	0.00	0.00	0.00	0.43	365.81
X-Y	6/15/2005	1,054.48	0.00	0.00	149.46	0.00	1.21	903.81
Buffalo	6/15/2005	1,383.40	0.00	0.00	0.00	0.00	1.60	1,381.80
Sisson	6/15/2005	525.39	0.00	0.00	0.00	0.00	0.61	524.78
Stubbs	6/15/2005	10.04	0.00	0.00	10.03	0.00	0.01	0.00
Manvel	6/15/2005	1,311.77	0.00	0.00	0.00	0.00	1.52	1,310.25
Colorado Article II	Totals:	6,452.64	0.00	0.00	226.86	0.00	7.46	6,218.32

The tables discussed in the body of the letter are attached.



Enclosure 2a

**Table 1****Average Monthly Response (%)**

<b>Month</b>	<b>Reach 14</b>	<b>Reach 15</b>	<b>Reach 16</b>	<b>Reach 17</b>	<b>Reach 18</b>
Jan	0.0001	0.1596	1.2997	2.913	0.168
Feb	0.0001	0.1509	1.1363	2.5081	0.1481
Mar	0.0001	0.1431	1.0132	2.1849	0.1308
Apr	0.0001	0.1281	2.6606	5.4907	0.1069
May	0.0001	0.1314	3.6645	7.1968	0.1117
Jun	0.0001	0.1545	4.1593	8.2105	0.1495
Jul	0.0002	0.1697	4.4749	8.931	0.1815
Aug	0.0002	0.1851	3.8252	7.6986	0.2129
Sep	0.0002	0.1923	3.0152	6.2846	0.2296
Oct	0.0002	0.1847	2.5966	5.5659	0.2211
Nov	0.0002	0.1781	1.943	4.2367	0.2081
Dec	0.0001	0.1706	1.5349	3.4468	0.1911
<b>Total</b>	<b>0.0017</b>	<b>1.9481</b>	<b>31.3234</b>	<b>64.6676</b>	<b>2.0593</b>

**Table 2****Return Flow Distribution for 46.14 Acre-Feet**

<b>Month</b>	<b>Reach 14</b>	<b>Reach 15</b>	<b>Reach 16</b>	<b>Reach 17</b>	<b>Reach 18</b>
Jan	0.000	0.074	0.600	1.344	0.078
Feb	0.000	0.070	0.524	1.157	0.068
Mar	0.000	0.066	0.467	1.008	0.060
Apr	0.000	0.059	1.228	2.533	0.049
May	0.000	0.061	1.691	3.320	0.052
Jun	0.000	0.071	1.919	3.788	0.069
Jul	0.000	0.078	2.065	4.121	0.084
Aug	0.000	0.085	1.765	3.552	0.098
Sep	0.000	0.089	1.391	2.900	0.106
Oct	0.000	0.085	1.198	2.568	0.102
Nov	0.000	0.082	0.896	1.955	0.096
Dec	0.000	0.079	0.708	1.590	0.088
<b>Total</b>	<b>0.001</b>	<b>0.899</b>	<b>14.452</b>	<b>29.837</b>	<b>0.950</b>

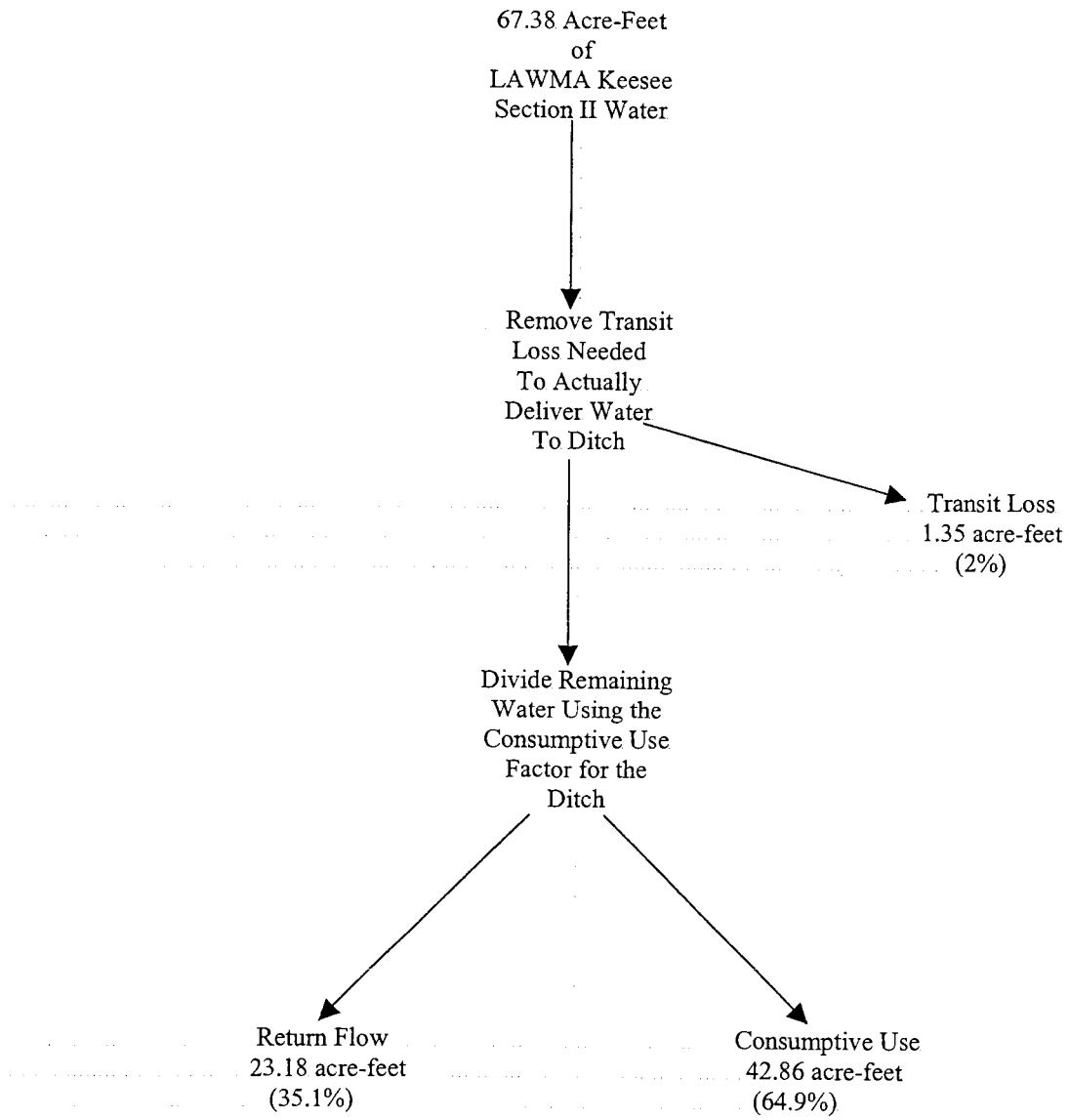
**Table 3****Return Flows With Usability Factors Applied**

<b>Month</b>	<b>Reach 14</b>	<b>Reach 15</b>	<b>Reach 16</b>	<b>Reach 17</b>	<b>Reach 18</b>
Jan	0.000	0.026	0.209	0.469	0.027
Feb	0.000	0.024	0.183	0.404	0.024
Mar	0.000	0.023	0.163	0.352	0.021
Apr	0.000	0.048	1.005	2.075	0.040
May	0.000	0.050	1.385	2.719	0.042
Jun	0.000	0.058	1.572	3.103	0.056
Jul	0.000	0.064	1.691	3.375	0.069
Aug	0.000	0.070	1.445	2.909	0.080
Sep	0.000	0.073	1.139	2.375	0.087
Oct	0.000	0.070	0.981	2.103	0.084
Nov	0.000	0.029	0.313	0.682	0.034
Dec	0.000	0.027	0.247	0.555	0.031
<b>Total</b>	<b>0.001</b>	<b>0.562</b>	<b>10.334</b>	<b>21.121</b>	<b>0.595</b>

**Table 4****Projected Releases From Offset Account**

<b>Month</b>	<b>Transit Loss (%)</b>				
	<b>12%</b>	<b>14%</b>	<b>16%</b>	<b>18%</b>	<b>20%</b>
<b>Reach 14</b>	<b>Reach 15</b>	<b>Reach 16</b>	<b>Reach 17</b>	<b>Reach 18</b>	
Jan	0.000	0.030	0.249	0.572	0.034
Feb	0.000	0.028	0.218	0.493	0.030
Mar	0.000	0.027	0.194	0.429	0.026
Apr	0.000	0.056	1.197	2.530	0.050
May	0.000	0.058	1.648	3.316	0.053
Jun	0.000	0.068	1.871	3.784	0.071
Jul	0.000	0.075	2.013	4.116	0.086
Aug	0.000	0.081	1.721	3.548	0.101
Sep	0.000	0.084	1.356	2.896	0.108
Oct	0.000	0.081	1.168	2.565	0.104
Nov	0.000	0.033	0.372	0.832	0.042
Dec	0.000	0.032	0.294	0.677	0.038
<b>Total</b>	<b>0.001</b>	<b>0.654</b>	<b>12.303</b>	<b>25.757</b>	<b>0.743</b>

The tables discussed in the body of the letter are attached.



Enclosure 2b

**Table 1****Average Monthly Response (%)**

<b>Month</b>	<b>Reach 12</b>	<b>Reach 13</b>
Jan	0.0259	0.0043
Feb	0.0191	0.0030
Mar	0.0326	0.0049
Apr	0.0913	0.0155
May	0.1014	0.0229
Jun	0.1084	0.0234
Jul	0.1065	0.0232
Aug	0.0980	0.0211
Sep	0.0929	0.0192
Oct	0.0697	0.0153
Nov	0.0494	0.0099
Dec	0.0356	0.0065
<b>Total</b>	<b>0.8308</b>	<b>0.1692</b>

**Table 2****Return Flow Distribution for 23.18 Acre-Feet**

<b>Month</b>	<b>Reach 12</b>	<b>Reach 13</b>
Jan	0.600	0.100
Feb	0.442	0.069
Mar	0.756	0.113
Apr	2.116	0.358
May	2.351	0.530
Jun	2.512	0.543
Jul	2.468	0.538
Aug	2.271	0.489
Sep	2.153	0.445
Oct	1.616	0.354
Nov	1.145	0.230
Dec	0.826	0.150
<b>Total</b>	<b>19.256</b>	<b>3.921</b>



**Table 3**

**Return Flows With Usability Factors Applied**

<b>Month</b>	<b>Reach 12</b>	<b>Reach 13</b>
Jan	0.209	0.035
Feb	0.154	0.024
Mar	0.264	0.039
Apr	1.733	0.293
May	1.926	0.434
Jun	2.057	0.445
Jul	2.021	0.441
Aug	1.860	0.401
Sep	1.763	0.365
Oct	1.324	0.290
Nov	0.400	0.080
Dec	0.288	0.052
<b>Total</b>	<b>14.000</b>	<b>2.900</b>

**Table 4**

**Projected Releases From Offset Account**

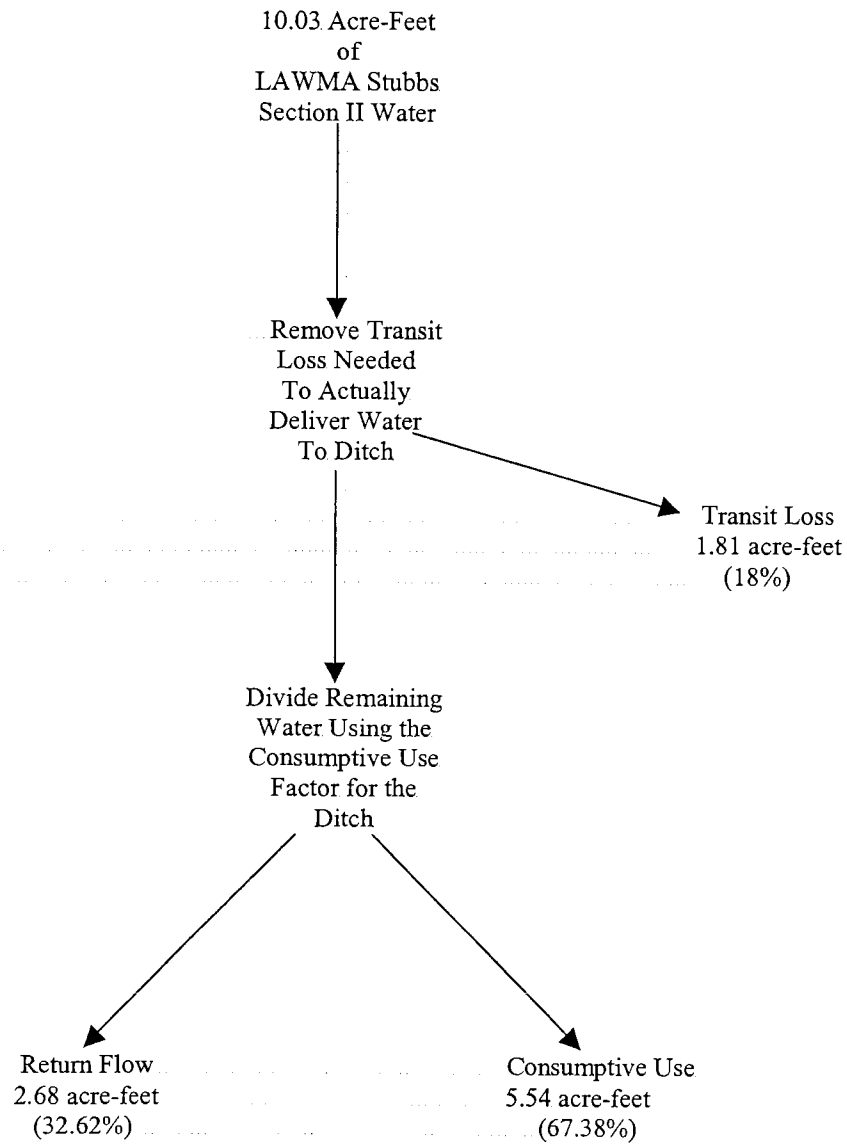
**Transit Loss (%)**

**2%**

**4%**

<b>Month</b>	<b>Reach 12</b>	<b>Reach 13</b>
Jan	0.214	0.036
Feb	0.157	0.025
Mar	0.269	0.041
Apr	1.769	0.306
May	1.965	0.452
Jun	2.099	0.463
Jul	2.063	0.459
Aug	1.898	0.418
Sep	1.799	0.380
Oct	1.351	0.302
Nov	0.408	0.084
Dec	0.294	0.054
<b>Total</b>	<b>14.286</b>	<b>3.020</b>

The tables discussed in the body of the letter are attached.



Enclosure 2c

**Table 1****Average Monthly Response (%)**

<b>Month</b>	<b>Reach 17</b>	<b>Reach 18</b>
Jan	0.0021	0.0211
Feb	0.0017	0.0219
Mar	0.0009	0.0919
Apr	0.0013	0.0646
May	0.0019	0.0613
Jun	0.0013	0.1367
Jul	0.0010	0.2433
Aug	0.0031	0.1519
Sep	0.0047	0.0752
Oct	0.0041	0.0453
Nov	0.0033	0.0318
Dec	0.0026	0.0271
<b>Total</b>	<b>0.0280</b>	<b>0.9721</b>

**Table 2****Return Flow Distribution for 2.68 Acre-Feet**

<b>Month</b>	<b>Reach 17</b>	<b>Reach 18</b>
Jan	0.006	0.056
Feb	0.004	0.059
Mar	0.002	0.247
Apr	0.003	0.173
May	0.005	0.165
Jun	0.003	0.367
Jul	0.003	0.653
Aug	0.008	0.408
Sep	0.013	0.202
Oct	0.011	0.121
Nov	0.009	0.085
Dec	0.007	0.073
<b>Total</b>	<b>0.075</b>	<b>2.608</b>

**Table 3****Return Flows With Usability Factors Applied**

<b>Month</b>	<b>Reach 17</b>	<b>Reach 18</b>
Jan	0.002	0.020
Feb	0.002	0.021
Mar	0.001	0.086
Apr	0.003	0.142
May	0.004	0.135
Jun	0.003	0.300
Jul	0.002	0.535
Aug	0.007	0.334
Sep	0.010	0.165
Oct	0.009	0.099
Nov	0.003	0.030
Dec	0.002	0.025
<b>Total</b>	<b>0.048</b>	<b>1.892</b>

**Table 4****Projected Releases From Offset Account****Transit Loss (%)****18%****20%**

<b>Month</b>	<b>Reach 17</b>	<b>Reach 18</b>
Jan	0.002	0.025
Feb	0.002	0.026
Mar	0.001	0.108
Apr	0.003	0.177
May	0.005	0.168
Jun	0.003	0.376
Jul	0.003	0.668
Aug	0.008	0.417
Sep	0.013	0.206
Oct	0.011	0.124
Nov	0.004	0.037
Dec	0.003	0.032
<b>Total</b>	<b>0.059</b>	<b>2.365</b>



## **SECTION 3**

**August 2005**

# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>



August 18, 2005

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

Dear Mike,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA), Colorado Water Protective & Development Association (CWPDA), Arkansas Groundwater Users Association (AGUA), Fort Lyon Well Users Association (FLWUA) as well as the smaller plan associations (FNMC and McComber) have initiated actions to transfer approximately **212 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water and Colorado Upstream Consumable Water subaccounts of the Offset Account. These associations purchased fully consumable water from the Lower Arkansas Valley Water Conservancy District via trades with Colorado Springs Utilities. The Colorado Springs Utilities fully consumable water will be contract exchanged for Fort Lyon Section III water in John Martin and immediately transferred into the Offset Account. The Fort Lyon Canal Company will take delivery of 212 acre-feet of water stored in the Lake Meredith Reservoir system to the Fort Lyon headgate fully maintaining the historical return flow pattern of the Section III water. The transfer from the Section III account will be made at 2400 hrs, August 15, 2005.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer

## Tyner, Bill

---

**From:** Tyner, Bill  
**Sent:** Thursday, August 18, 2005 4:29 PM  
**To:** Michael Meyer (E-mail)  
**Cc:** 'David Pope (David Pope)'; Witte, Steve; Flory, Joe; Morey, Monique; 'Brenda Fillmore AGUA (Brenda Fillmore, AGUA)'; 'Kevin Salter(KSALTER@KDA.STATE.KS.US)'; 'Don Higbee (Don Higbee, Lower Arkansas Water Management Association)'; 'Alan Ward (award@pueblowater.org)'; 'Allen Ringle (aringle@centurytel.net)'; 'Dennis Montgomery (dennismontgomery@hillandrobbsins.com)'; Jay Winner (E-mail); Rachel Merrill (E-mail)  
**Subject:** Delivery to Offset Account

August 18, 2005

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA), Colorado Water Protective & Development Association (CWPD), Arkansas Groundwater Users Association (AGUA), Fort Lyon Well Users Association (FLWUA) as well as the smaller plan associations (FNMC and McComber) have initiated actions to transfer approximately **212 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water and Colorado Upstream Consumable Water subaccounts of the Offset Account. These associations purchased fully consumable water from the Lower Arkansas Valley Water Conservancy District via trades with Colorado Springs Utilities. The Colorado Springs Utilities fully consumable water will be contract exchanged for Fort Lyon Section III water in John Martin and immediately transferred into the Offset Account. The Fort Lyon Canal Company will take delivery of 212 acre-feet of water stored in the Lake Meredith Reservoir system to the Fort Lyon headgate fully maintaining the historical return flow pattern of the Section III water. The transfer from the Section III account will be made at 2400 hrs, August 15, 2005.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer





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August 18, 2005

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

Dear Mike,

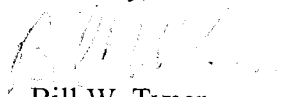
The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA), Colorado Water Protective & Development Association (CWPD), Arkansas Groundwater Users Association (AGUA), Fort Lyon Well Users Association (FLWUA) as well as the smaller plan associations (FNMC and McComber) have initiated actions to deliver approximately **1,600 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water and Colorado Upstream Consumable Water subaccounts of the Offset Account. These associations purchased fully consumable water via the Lower Arkansas Valley Water Conservancy District through trades with Pueblo Board of Water Works. The Pueblo Board of Water Works fully consumable water began to be released from Pueblo Reservoir on August 15, 2005 at 15:00 hours at a rate of 115.16 cfs and will be shepherded past ditches to John Martin Reservoir. The delivery will begin to arrive at John Martin Reservoir on August 18, 2005 and will accrue to the Offset Account at a rate of 113.18 cfs to the account.

Colorado Upstream Consumable Water Subaccount	1600 acre-feet
Return Flow/Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account once the delivery has been completed.

If you have any questions in the meantime, please call me.

Sincerely,

  
Bill W. Tyner  
Assistant Division Engineer

## Tyner, Bill

---

**From:** Tyner, Bill  
**Sent:** Thursday, August 18, 2005 4:37 PM  
**To:** Michael Meyer (E-mail)  
**Cc:** 'David Pope (David Pope)'; Witte, Steve; Flory, Joe; Morey, Monique; 'Brenda Fillmore AGUA (Brenda Fillmore, AGUA)'; 'Kevin Salter(KSALTER@KDA.STATE.KS.US)'; 'Don Higbee (Don Higbee, Lower Arkansas Water Management Association)'; 'Alan Ward (award@pueblowater.org)'; 'Allen Ringle (aringle@centurytel.net)'; 'Dennis Montgomery (dennismontgomery@hillandrobins.com)'; Jay Winner (E-mail); Rachel Merrill (E-mail)  
**Subject:** Delivery to Offset Account

August 18, 2005

Michael Meyer  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mike,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA), Colorado Water Protective & Development Association (CWPD), Arkansas Groundwater Users Association (AGUA), Fort Lyon Well Users Association (FLWUA) as well as the smaller plan associations (FNMC and McComber) have initiated actions to deliver approximately **1,600 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water and Colorado Upstream Consumable Water subaccounts of the Offset Account. These associations purchased fully consumable water via the Lower Arkansas Valley Water Conservancy District through trades with Pueblo Board of Water Works. The Pueblo Board of Water Works fully consumable water began to be released from Pueblo Reservoir on August 15, 2005 at 15:00 hours at a rate of 115.16 cfs and will be shepherded past ditches to John Martin Reservoir. The delivery will begin to arrive at John Martin Reservoir on August 18, 2005 and will accrue to the Offset Account at a rate of 113.18 cfs to the account.

Colorado Upstream Consumable Water Subaccount	1600 acre-feet
Return Flow/Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account once the delivery has been completed.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer

## **SECTION 3**

**October 2005**

# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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Bill Owens  
Governor

Russell George  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

October 3, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Transfer to the Offset Account in John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of a transfer of water to the Offset Account.

The Lower Arkansas Water Management Association (LAWMA), Colorado Water Protective & Development Association (CWPDA), Arkansas Groundwater Users Association (AGUA), Fort Lyon Well Users Association (FLWUA) as well as the smaller plan associations (FNMC and McComber) transferred **212.18 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water and Colorado Upstream Consumable Water subaccounts of the Offset Account. These associations were assigned fully consumable native water leased by the Lower Arkansas Valley Water Conservancy District from Pueblo Board of Water Works. The Pueblo Board of Water Works fully consumable water was contract exchanged for Fort Lyon Section III water in John Martin Reservoir and immediately transferred into the Offset Account. The Fort Lyon Canal Company will take delivery of 212.18 acre-feet of water stored in the Lake Meredith Reservoir system to the Fort Lyon headgate fully maintaining the historical return flow pattern of the Section III water. The transfer from the Section III account was made at 2400 hours on August 15, 2005. A copy of the daily accounting for August 15, 2005 is included at Enclosure 1.

The lease between Pueblo Board of Water Works and Lower Arkansas Valley Water Conservancy District (LAVWCD) for the fully consumable water is included at Enclosure 2. The source of the water booked into the Offset Account was fully consumable water from Aurora via a contract exchange with Pueblo Board of Water Works as described in the agreement in Enclosure 3. The Fort Lyon Canal Company has arranged to divert the water delivered by LAVWCD on behalf of the above well user groups in exchange for water in its Section III account in John Martin Reservoir. Under the terms of the agreement, Fort Lyon Canal Company allowed 212.18 acre-feet of Section III water to be transferred as fully consumable and will take delivery of the fully consumable water from Lake Meredith during the irrigation season at their headgate as if it were not fully consumable. The agreement between LAVWCD and Fort Lyon Canal Company and the agreement between LAVWCD and the well users groups is shown at Enclosure 4.

David Pope  
October 3, 2005

The following information is provided in accordance with paragraph 3 of the Resolution.

Source of Water Delivered: Fully Consumable Water from Colorado Springs Utilities derived from decreed Arkansas River consumable sources

Time Associated With Transfer

Transfer Made At: 2400 hours, August 15, 2005

Flow Rates Associated With Delivery (See Enclosure 1)

Extent Water is Fully Consumable:

Fully consumable water provided to well user associations listed above.

Return Flow Information

Quantity: Not Applicable

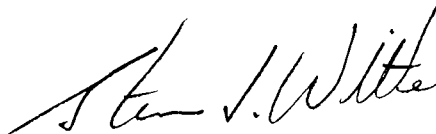
Timing: Not Applicable

Location: Not Applicable

As indicated above, the delivery of 212.18 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. This water has been made available to offset depletions to usable stateline flow calculated from H-I model update runs for 1997 through 2004. Under those provisions, the balance of the 212.18 acre-feet will be moved from the Colorado Consumable Water subaccount to the Kansas Consumable Water subaccount of the Offset Account 30 days after the date of this notification letter in order that evaporation be charged as provided for by paragraph 5B of the Resolution.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

4 Enclosures

cc: Mark Rude    Kevin Salter    John Draper    Dale Book    Hal Simpson  
Dennis Montgomery    Don Higbee    Jim Slattery    Dale Straw    Monique Morey  
Bill Tyner    Ivan Walter    Joe Kelley    Mark McLean    Brenda Fillmore  
Amy Van Horn    Tom Fedde    Sylvia McComber    Kalsoum Abbasi

**Enclosure 1**

**John Martin Reservoir Accounting for August 15, 2005**

John Martin Daily Report

8/15/2005

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
<b>Storage</b>								
City								
City/LAMAR	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
Summer Compact	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water								
Winter Water	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
Permanent Pool	8/15/2005	1,666.01	0.00	0.00	0.00	0.00	5.54	1,660.47
Flood Pool	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Storage</b>	<b>Totals:</b>	<b>1,666.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.54</b>	<b>1,660.47</b>

**Agreement**

InterState

Kansas Kansas	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transit Loss	8/15/2005	938.70	0.00	0.00	0.00	0.00	3.12	935.58

Article III

Amity	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ft. Lyon	8/15/2005	212.89	0.00	0.00	212.18	0.00	0.71	0.00
Las Animas	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CO Art II

Prev Winter Stored Keesee	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Ft Bent	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Amity	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Lamar	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Hyde	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored N-Y	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Buffalo	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Sisson	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Stubbs	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Manvel Consu	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Manvel Return	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CO Art II

Cmt Winter Stored Keesee	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored Ft Bent	8/15/2005	435.04	0.00	0.00	0.00	0.00	1.45	433.59
Cmt Winter Stored Amity	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored Lamar	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored Hyde	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored N-Y	8/15/2005	720.48	0.00	0.00	0.00	0.00	2.39	718.09
Cmt Winter Stored Buffalo	8/15/2005	903.00	0.00	0.00	0.00	0.00	3.00	900.00
Cmt Winter Stored Sisson	8/15/2005	121.50	0.00	0.00	0.00	0.00	0.40	121.10
Cmt Winter Stored Stubbs	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored Manvel Consu	8/15/2005	169.54	0.00	0.00	0.00	0.00	0.56	168.98
Cmt Winter Stored Manvel Return	8/15/2005	169.54	0.00	0.00	0.00	0.00	0.56	168.98

CO Art II

Summer Stored Keesee	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Ft Bent	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Amity	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Lamar	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Hyde	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored N-Y	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Buffalo	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Sisson	8/15/2005	296.86	0.00	0.00	0.00	0.00	0.99	295.87
Summer Stored Stubbs	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Manvel Consumabl	8/15/2005	345.90	0.00	0.00	0.00	0.00	1.15	344.75
Summer Stored Manvel Return Flo	8/15/2005	359.58	0.00	0.00	0.00	0.00	1.19	358.39

**Agreement**

<b>Totals:</b>		<b>4,673.02</b>	<b>0.00</b>	<b>0.00</b>	<b>212.18</b>	<b>0.00</b>	<b>15.52</b>	<b>4,445.32</b>
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**OffsetAccount**

Consumable

Upstream	8/15/2005	0.00	0.00	67.08	0.00	0.00	0.00	67.08
Downstream	8/15/2005	1,693.60	18.82	134.49	0.71	0.00	5.64	1,840.55
Kansas	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kansas Charge	8/15/2005	319.27	29.64	10.61	0.00	0.00	1.06	358.46

ReturnFlow

Return Flow	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RF Transit Loss	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Keesee Winter	8/15/2005	73.53	0.00	0.71	0.00	0.00	0.24	74.00

**OffsetAccount**

<b>Totals:</b>		<b>2,086.40</b>	<b>48.46</b>	<b>212.89</b>	<b>0.71</b>	<b>0.00</b>	<b>6.94</b>	<b>2,340.09</b>
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**Reservoir**

<b>Totals:</b>		<b>8,425.42</b>	<b>48.46</b>	<b>212.89</b>	<b>212.89</b>	<b>0.00</b>	<b>28.00</b>	<b>8,445.88</b>
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**Colorado Article II Summary**

Keesee	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ft Bent	8/15/2005	435.04	0.00	0.00	0.00	0.00	1.45	433.59
Amity	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lamar	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hyde	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N-Y	8/15/2005	720.48	0.00	0.00	0.00	0.00	2.39	718.09
Buffalo	8/15/2005	903.00	0.00	0.00	0.00	0.00	3.00	900.00
Sisson	8/15/2005	418.36	0.00	0.00	0.00	0.00	1.39	416.97
Stubbs	8/15/2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manvel	8/15/2005	1,044.55	0.00	0.00	0.00	0.00	3.46	1,041.09
<b>Colorado Article II</b>	<b>Totals:</b>	<b>3,521.43</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>11.69</b>	<b>3,509.74</b>



**Enclosure 2**

**Lease between Pueblo Board of Water Works and Lower Arkansas Valley Water  
Conservancy District**

## SHORT-TERM WATER LEASE

This Short-Term Water Lease (the "Lease") is entered into this 18<sup>th</sup> day of August 2005, by and between the Board of Water Works of Pueblo, Colorado (hereinafter called "Board") and the Lower Arkansas Valley Water Conservancy District (hereinafter called "Lessee").

### RECITALS:

- A. The water use that is the subject of this Lease is a type not normally within any regular rate schedule established by the Board and the parties agree that the terms of lease and delivery of water for the purposes set forth below should be the subject of this special Lease;
- B. Lessee desires to lease raw water from the Board to assist well users in complying with the Arkansas River Compact.
- C. The Board is willing to supply raw water to Lessee for its use for these purposes subject to the terms of this Lease.

In consideration of the foregoing recitals, the mutual promises contained herein, and the payments to be made hereunder, the parties agree as follows:

1. Delivery of Consumable Water. The Board agrees to deliver to Lessee fully consumable Arkansas River water that the Board either owns or will acquire through trades. The water will be delivered to John Martin Reservoir. The Lessee will be responsible for any transit losses or evaporation losses associated with delivering the water to John Martin Reservoir.
2. Term. The term of this Lease shall be from the date of execution of this Agreement through October 31, 2005
3. Delivery of Raw Water. The water to be delivered hereunder is raw, untreated water.
4. Reuse Rights. Once delivered to Lessee, all rights to reuse the water subject to this Agreement shall belong to Lessee and the Board shall have no further reuse rights.
5. Quantity. The Board will deliver to Lessee 1,573 acre-feet of water during the term of this Agreement.
6. Charge. Lessee will pay the Board \$9 per acre-foot for the 1,573 acre-feet of water leased under this Agreement for a total lease price of \$14,157.
7. Payment. Payment for water shall be made by the Lessee upon execution of this Agreement. No water will be delivered until payment is made in full.

8. Pueblo City Charter Provision. This Lease involves the use of water outside the territorial limits of the City of Pueblo and is specifically limited by the provisions of the City Charter governing such use. The Charter provides, among other things, that: “The Board of Water Works shall have and exercise all powers which are granted to Cities of the First Class by the Constitution and laws of the State of Colorado, except the power to levy and collect taxes directly or indirectly. Surplus water may be supplied to territories outside the City until same is needed by the inhabitants of the City.”
9. Determination of Water Availability by the Board. The extent to which limitations on water delivery outside the City of Pueblo is, or may be, necessary to enable the Board to provide adequately for users inside the City of Pueblo is a fact to be determined by the Board in the exercise of its reasonable discretion from time to time as the circumstances may require.
10. Interruption of Water Supply Beyond the Board’s Control. The Board has determined that the welfare of City of Pueblo requires a stable water supply not only for its inhabitants but also for the other customers of the Board putting to beneficial use the water belonging to the Board. While it is the Board’s purpose to maintain a water supply adequate to meet the needs of the metropolitan area logically dependent on the Board for water supply and to permit it to supply other temporary contract customers, there are many elements that make it uncertain whether the water supply can always be adequate for all such users. Both parties to this Lease recognize that the water supply for the Board and its water customers is dependent upon sources from which the supply is variable in quantity and beyond the control of the Board. The Board is not liable in tort or contract under this Lease on account of any failure to accurately anticipate availability of water supply or because of an actual failure to supply water due to inadequate runoff or inadequate storage, or any conditions arising from an occurrence beyond the reasonable control of the Board, including, but not limited to, act of God, strike, war, insurrection, or inability to serve arising out of the order of any court, or the lawful order of any governmental administrative body or agency clothed with authority to regulate matters pertaining to water, public utilities, public health, or pollution control.
11. Emergency Water Shortages. The parties agree that, from time to time, emergency situations may arise where it is necessary for the Board to limit the use of water by extra-territorial contract customers. The parties agree that the necessity for such limitation is a fact to be determined by the Board in the exercise of its reasonable discretion from time to time, as occasion may require. It is hereby agreed that the Board may adopt, in the situation of shortage, such reasonable restrictions on uses or priorities for curtailment of use, as may be necessary to adapt to such emergency conditions or shortage, including reductions in water deliveries under this Lease. Lessee agrees that the Board is not liable in tort or contract under this Lease on the account of the necessity for adopting and implementing such policies to meet emergency conditions or shortage. In the event that the Board is unable to make the deliveries of water to

Lessee specified in this Lease, then Lessee's payment for water shall be reduced or refunded in proportion to any reduction of deliveries by the Board.

12. Prior Agreement Priority of Curtailment. The Board has entered into an agreement with Pueblo Suburban Development, L.L.C., dated May 14, 2003, in which the Board agrees to supply up to 5,500 acre feet per annum of water to Pueblo Suburban Development, L.L.C., for a term commencing twenty-five (25) years beginning January 1, 2004. Pueblo Suburban Development, L.L.C., has an option to extend that agreement for one time for an additional fifteen (15) years. That agreement contains paragraphs 14, 15 and 16, which paragraphs are very similar to paragraphs 9, 10 and 11 of this agreement concerning the right of the Board under certain circumstances to curtail water deliveries to extraterritorial customers of the Board. The agreement between the Board and Pueblo Suburban Development, L.L.C., contains the following provision:

"The Board and Pueblo Suburban acknowledge that the Board may enter into future agreements with extraterritorial customers for the delivery of untreated water by the Board. The Board agrees that during the term of this agreement or any extension thereof that should the Board exercise its rights under paragraphs 14, 15 and 16 of this agreement to curtail water deliveries to extraterritorial customers of the Board that the Board will curtail the extraterritorial raw water supplies under agreements that it may enter into with customers after the date of this agreement before curtailing water supplies to Pueblo Suburban."

13. Limitations Concerning Subsequent Extra-Territorial Water Customers. The Board shall not use the provisions of Paragraphs 9 through 11 to curtail extra-territorial water supplies to Lessee in order to lease water to new extra-territorial water customers of the Board at higher water charges.
14. Not a Permanent Supply. The parties understand and agree that this Lease is not to be interpreted as any commitment on the part of the Board to furnish water to Lessee on a permanent basis, but rather is to assist the Lessee in supplementing Lessee's own water supplies by water leased from the Board for a temporary period.
15. Assignability. This Lease may be assigned by Lessee subject to prior written approval of said assignment by the Board, which approval shall not be unreasonably withheld.
16. Substitute Supply Plans and Augmentation Plans. The Board agrees that the water to be delivered under this Lease may be used in substitute supply plans and augmentation plans, and that it will cooperate with Lessee to provide information regarding its water rights that may be needed to obtain approval of Lessee's temporary substitute supply plans and/or augmentation plans. Lessee will provide any administrative or judicial body acting on its temporary substitute supply plan or augmentation plan a copy of this Lease. All costs for review and/or approval of

any such plans shall be borne by Lessee, and Lessee shall provide a copy of all such approved plans to the Board.

17. Waiver. Unless stated otherwise herein, failure of either party to this Lease to exercise any right hereunder shall not be deemed a waiver of such party's right and shall not affect the right of said party to exercise, at some future time, said right or rights or any other right it may have hereunder. No waiver of any of the provisions of this Lease shall be deemed or shall constitute a waiver of any other provision, whether or not similar, nor shall any waiver constitute a continuing waiver. No waiver shall be binding unless executed in writing by the party making the waiver.
18. No Exclusive Right or Privilege. Nothing in this Lease is to be construed as a grant by the Board of any exclusive right or privilege.
19. Title to Water Rights. Nothing in this Lease is to be interpreted as giving the Lessee any legal or equitable title in or to any of the Board's water or water rights.
20. Remedies. In the event that either party defaults in the performance of any of its obligations under this Lease, each party shall have all remedies provided in this Lease or by law or equity, but neither party shall have the right of specific performance against the other. In the event of litigation, the prevailing party shall be entitled to its litigation costs, including reasonable attorney's fees.
21. Default, Right to Cure. In the event that either party believes that the other is in default of any obligation under this Lease, the non-defaulting party shall promptly give written notice of the default to the defaulting party. If a notice of default is provided, the party accused of the default shall either cure it or provide a written statement explaining why it is not in default. If the alleged default is not cured or otherwise resolved within thirty (30) days, the parties may resort to their remedies.
22. Right to Enter Lease. Each party hereby warrants and represents that it has the full right and lawful authority to enter into this Lease.
23. Governing Law. This Lease shall be governed by the laws of the State of Colorado in all respects.
24. Headings. The headings used to designate the various sections of this Lease are solely for the convenience of reference and shall not be construed to define or limit any of the terms or provisions hereof.
25. No Third Party Beneficiaries. Except as expressly provided otherwise, this Lease is intended to be solely for the benefit of the parties and their respective successors and permitted

assigns, and this Lease shall not otherwise be deemed to confer upon or give to any other person or third party any remedy, claim, cause of action or other right.

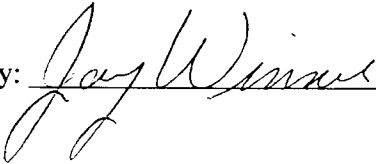
26. Entire Agreement, Modification. This Lease constitutes the entire agreement between the parties pertaining to the subject matter described in it and supersedes any and all prior contemporaneous agreements, representations, and understandings. No supplement, modification, or amendment of this Lease shall be binding unless executed in writing by all parties.

IN WITNESS WHEREOF, the Board and Lessee have executed this Lease on their respective behalf and by their proper officers.

**BOARD OF WATER WORKS OF  
PUEBLO, COLORADO**

By:   
Executive Director

**LOWER ARKANSAS VALLEY WATER  
CONSERVANCY DISTRICT**

By:   
\_\_\_\_\_

**Enclosure 3**

**Information on Source of Water from PBWW and Colorado Springs Utilities**

## Jay Winner

---

**From:** Witte, Steve [Steve.Witte@state.co.us]  
**Sent:** Tuesday, August 23, 2005 11:54 AM  
**To:** Jay Winner; Allen Ringle; Ward, Alan  
**Cc:** Tyner, Bill; Lytle, Chris; Flory, Joe  
**Subject:** Documentation of trade arrangement

I believe that Joe Flory spoke with you concerning arrangements to trade 241 a.f. of consumable Twin Lakes water owned or controlled by the Lower Arkansas Valley Conservancy District for a like amount of fully consumable native water under the control of Colorado Springs, the Town of Woodland Park, and the Pueblo Board of Water Works on August 15, 2005. This trade was necessary in order for the District to achieve its purpose of providing water to the Offset Account in order to help well owners reduce the apparent depletions to usable Stateline flow that have accumulated over the period 1997 through 2004. As you know, it is important that the transactions related to such Offset Account deliveries be thoroughly documented to help assure that Colorado will receive appropriate credits for the water delivered to Kansas. Therefore, I will appreciate your verification of the following arrangements by returning a signed copy of this email to this office:

213 a.f. of fully consumable transmountain water in Twin Lakes under the control of the Lower Arkansas Valley Water Conservancy District was traded for an equal amount of fully consumable native water in Lake Meredith under the control of Colorado Springs Utilities and the Town of Woodland Park as of August 15, 2005. Subsequently, this amount of water was booked as water under the control of the Fort Lyon company as a result of an exchange with the Lower Arkansas Valley Water Conservancy District for water stored in Fort Lyons' Section III account in John Martin Reservoir.

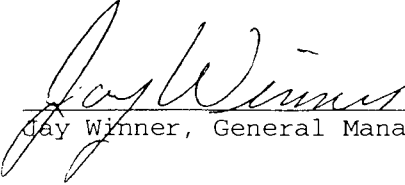
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Allen Ringle, Supt. Twin Lakes and Colorado Canal Companies

28 a.f. of fully consumable transmountain water in Twin Lakes under the control of the Lower Arkansas Valley Water Conservancy District was traded for an equal amount of fully consumable native water in Pueblo Reservoir under the control of the Pueblo Board of Water Works as of August 15, 2005. This water was subsequently released with other waters leased by the Lower Arkansas Valley Water Conservancy District from the Pueblo Board of Water Works for delivery to the Offset Account in John Martin Reservoir.

---

Alan Ward, Water Resources Specialist Pueblo Board of Water Works

  
Jay Winner, General Manager, Lower Arkansas Valley Water Cons. Dist.

Thank you for your assistance in this matter.

Division 2 Office- Colorado Division of Water Resources  
C/o Steve Witte  
310 E. Abriendo Ave., Suite B  
Pueblo, CO 81004





"Witte, Steve"  
<Steve.Witte@state.co.us>  
08/23/2005 12:53 PM

"Jay Winner" <jwinner@centurytel.net>, "Allen Ringle"  
To <aringle@centurytel.net>, "Ward, Alan"  
<award@pueblowater.org>  
"Tyner, Bill" <Bill.Tyner@state.co.us>, "Lytle, Chris"  
cc <Chris.Lytle@state.co.us>, "Flory, Joe"  
<Joe.Flory@state.co.us>

bcc

Subject Documentation of trade arrangement

I believe that Joe Flory spoke with you concerning arrangements to trade 241 a.f. of consumable Twin Lakes water owned or controlled by the Lower Arkansas Valley Conservancy District for a like amount of fully consumable native water under the control of Colorado Springs, the Town of Woodland Park, and the Pueblo Board of Water Works on August 15, 2005. This trade was necessary in order for the District to achieve its purpose of providing water to the Offset Account in order to help well owners reduce the apparent depletions to usable Stateline flow that have accumulated over the period 1997 through 2004. As you know, it is important that the transactions related to such Offset Account deliveries be thoroughly documented to help assure that Colorado will receive appropriate credits for the water delivered to Kansas. Therefore, I will appreciate your verification of the following arrangements by returning a signed copy of this email to this office:

213 a.f. of fully consumable transmountain water in Twin Lakes under the control of the Lower Arkansas Valley Water Conservancy District was traded for an equal amount of fully consumable native water in Lake Meredith under the control of Colorado Springs Utilities and the Town of Woodland Park as of August 15, 2005. Subsequently, this amount of water was booked as water under the control of the Fort Lyon company as a result of an exchange with the Lower Arkansas Valley Water Conservancy District for water stored in Fort Lyons' Section III account in John Martin Reservoir.

---

Allen Ringle, Supt. Twin Lakes and Colorado Canal Companies

28 a.f. of fully consumable transmountain water in Twin Lakes under the control of the Lower Arkansas Valley Water Conservancy District was traded for an equal amount of fully consumable native water in Pueblo Reservoir under the control of the Pueblo Board of Water Works as of August 15, 2005. This water was subsequently released with other waters leased by the Lower Arkansas Valley Water Conservancy District from the Pueblo Board of Water Works for delivery to the Offset Account in John Martin Reservoir.

---

Alan Ward, Water Resources Specialist Pueblo Board of Water Works

---

Jay Winner, General Manager, Lower Arkansas Valley Water Cons. Dist.

## Allen Ringle

---

**From:** Witte, Steve [Steve.Witte@state.co.us]  
**Sent:** Tuesday, August 23, 2005 12:54 PM  
**To:** Jay Winner; Allen Ringle; Ward, Alan  
**Cc:** Tyner, Bill; Lytle, Chris; Flory, Joe  
**Subject:** Documentation of trade arrangement

I believe that Joe Flory spoke with you concerning arrangements to trade 241 a.f. of consumable Twin Lakes water owned or controlled by the Lower Arkansas Valley Conservancy District for a like amount of fully consumable native water under the control of Colorado Springs, the Town of Woodland Park, and the Pueblo Board of Water Works on August 15, 2005. This trade was necessary in order for the District to achieve its purpose of providing water to the Offset Account in order to help well owners reduce the apparent depletions to usable Stateline flow that have accumulated over the period 1997 through 2004. As you know, it is important that the transactions related to such Offset Account deliveries be thoroughly documented to help assure that Colorado will receive appropriate credits for the water delivered to Kansas. Therefore, I will appreciate your verification of the following arrangements by returning a signed copy of this email to this office:

213 a.f. of fully consumable transmountain water in Twin Lakes under the control of the Lower Arkansas Valley Water Conservancy District was traded for an equal amount of fully consumable native water in Lake Meredith under the control of Colorado Springs Utilities and the Town of Woodland Park as of August 15, 2005. Subsequently, this amount of water was booked as water under the control of the Fort Lyon company as a result of an exchange with the Lower Arkansas Valley Water Conservancy District for water stored in Fort Lyons' Section III account in John Martin Reservoir.



Allen Ringle, Supt. Twin Lakes and Colorado Canal Companies

28 a.f. of fully consumable transmountain water in Twin Lakes under the control of the Lower Arkansas Valley Water Conservancy District was traded for an equal amount of fully consumable native water in Pueblo Reservoir under the control of the Pueblo Board of Water Works as of August 15, 2005. This water was subsequently released with other waters leased by the Lower Arkansas Valley Water Conservancy District from the Pueblo Board of Water Works for delivery to the Offset Account in John Martin Reservoir.

Alan Ward, Water Resources Specialist Pueblo Board of Water Works

Jay Winner, General Manager, Lower Arkansas Valley Water Cons. Dist.

Thank you for your assistance in this matter.

Division 2 Office- Colorado Division of Water Resources C/o Steve Witte 310 E. Abriendo Ave., Suite B Pueblo, CO 81004

**Enclosure 4**

**Agreement between LAVWCD and Fort Lyon Canal Company  
Agreement between LAVWCD and Well Users Groups**

August 15, 2005

COPY

Manny Torrez  
Fort Lyon Canal Company  
750 Bent Avenue  
Las Animas, CO 81054

Re: Agreement between Lower Arkansas Valley Water Conservancy District  
and the Fort Lyon Canal Company

Dear Sir;

This letter confirms the contractual agreement between Lower Arkansas Valley Water Conservancy District (the District) and the Fort Lyon Canal Company (Fort Lyon). The purpose of this arrangement is to affect an exchange of water described as follows:

1. The District acquired 213 acre-feet of fully-consumable "East-Slope" water stored in Lake Meredith through a trade with Colorado Springs Utilities and the town of Woodland Park for a like amount of fully consumable trans mountain water derived from the District's shares of the Twin Lakes Company.
2. The District booked-over the 213 acre-feet of fully-consumable "East-Slope" water in Lake Meredith to Fort Lyon and, in exchange, Fort Lyon booked-over 213 acre-feet of water in its Section III account in John Martin Reservoir to the District. The result of this transaction was that an additional 213 acre-feet of native water that had been stored in the Fort Lyon Section III account was made to reside in Lake Meredith and 213 acre-feet of fully-consumable "East-Slope" water was caused to reside in John Martin Reservoir.
3. The District assigned the 213 acre-feet of fully-consumable "East-Slope" water transferred to John Martin Reservoir to various well owners represented by well associations for delivery into the Offset account.
4. The transactions set forth in paragraphs 1 through 3, above, occurred simultaneously on August 15, 2005 at 2400 hours.

If the terms of this contractual arrangement are acceptable to Fort Lyon, please signify this in the place specified below. I have included two (2) originals; please have one executed original returned to me.

Sincerely,

Mr. Jay Winner  
Lower Ark. Valley. Water Cons. Dist.

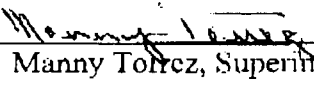
Enclosures

The foregoing terms and conditions of the contractual arrangement specified herein are agreed to by Lower Arkansas Valley Water Conservancy District by Jay Winner, General Manager.

---

Jay Winner, General Manager

The foregoing terms and conditions of the contractual arrangement specified herein are agreed to by the Fort Lyon Canal Company by Manny Torrez, Superintendent.

---

Manny Torrez, Superintendent

## Assignment

**Whereas**, the Lower Arkansas Valley Water Conservancy District (District) was formed to acquire, retain, and conserve native water flowing in the Arkansas River and its tributaries; to insure that such water remain in the valley for the socio-economic benefit of the citizens of Pueblo, Otero, Crowley, Bent and Prowers Counties; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley, and;

**Whereas**, the District, acting through it's Board of Directors on February 9, 2005, committed to make certain waters that it owns or controls available to irrigation well owners within the District, including water derived from shares of the Twin Lakes Company, for the purpose of reducing the apparent unreplaced depletion to usable Stateline flows that has occurred as a result of post-Compact well pumping by irrigation well owners within the District during the period 1997-2004, and;

**Whereas**, the District accumulated 241 acre-feet of such water as of August 15, 2005, and;

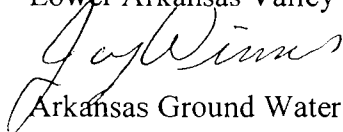
**Whereas**, the District traded this quantity of fully consumable transmountain water for a like amount of fully consumable native waters owned by various entities, including Colorado Springs Utilities, the Town of Woodland Park, and the Pueblo Board of Water Works and;

**Whereas**, said quantity of water less applicable transit losses has been delivered into the Offset Account in John Martin Reservoir in order to accomplish the aforesaid purpose;

**Now, therefore**, this document shall attest that the District has assigned said quantity of water to the well associations / owners named hereafter, and the well association representatives or well owners, by their signatures below agree that said water should be apportioned among their associations / individual wells in proportion to their respective contributions to the accumulated unreplaced depletions to usable Stateline flow as determined by the State and Division Engineers.

Lower Arkansas Valley Water Cons. Dist.

Date:



Arkansas Ground Water Users Assn.

Ft. Lyon Well Assn

Colorado Water Protective and Dev. Assn.

FNMC Well Assn.

Lower Arkansas Water Management Assn.

Sylvia McComber

## Assignment

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**Whereas**, the District, acting through it's Board of Directors on February 9, 2005, committed to make certain waters that it owns or controls available to irrigation well owners within the District, including water derived from shares of the Twin Lakes Company, for the purpose of reducing the apparent unreplaced depletion to usable Stateline flows that has occurred as a result of post-Compact well pumping by irrigation well owners within the District during the period 1997-2004, and;

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Lower Arkansas Valley Water Cons. Dist.

Date:

  
Arkansas Ground Water Users Assn.

Ft. Lyon Well Assn

Colorado Water Protective and Dev. Assn.

FNMC Well Assn.

Lower Arkansas Water Management Assn.

Sylvia McComber

**Assignment**

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Lower Arkansas Valley Water Cons. Dist.

Date:

Arkansas Ground Water Users Assn.

Ft. Lyon Well Assn

Colorado Water Protective and Dev. Assn.

FNMC Well Assn.

Lower Arkansas Water Management Assn.

Sylvia McComber

*Joseph F. Hight, Sec/Treas.*



## Assignment

**Whereas**, the Lower Arkansas Valley Water Conservancy District (District) was formed to acquire, retain, and conserve native water flowing in the Arkansas River and its tributaries; to insure that such water remain in the valley for the socio-economic benefit of the citizens of Pueblo, Otero, Crowley, Bent and Prowers Counties; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley, and;

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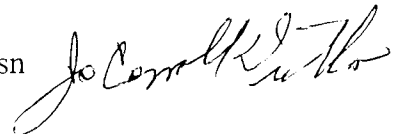
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Lower Arkansas Valley Water Cons. Dist.

Date: 8/25/05

Arkansas Ground Water Users Assn.

Ft. Lyon Well Assn



Colorado Water Protective and Dev. Assn.

FNMC Well Assn.

Lower Arkansas Water Management Assn.

Sylvia McComber

**Assignment**

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**Whereas,** the District traded this quantity of fully consumable transmountain water for a like amount of fully consumable native waters owned by various entities, including Colorado Springs Utilities, the Town of Woodland Park, and the Pueblo Board of Water Works and;

**Whereas,** said quantity of water less applicable transit losses has been delivered into the Offset Account in John Martin Reservoir in order to accomplish the aforesaid purpose;

**Now, therefore,** this document shall attest that the District has assigned said quantity of water to the well associations / owners named hereafter, and the well association representatives or well owners, by their signatures below agree that said water should be apportioned among their associations / individual wells in proportion to their respective contributions to the accumulated unreplaced depletions to usable Stateline flow as determined by the State and Division Engineers.

Lower Arkansas Valley Water Cons. Dist.

Date:

Arkansas Ground Water Users Assn.

Ft. Lyon Well Assn

Colorado Water Protective and Dev. Assn.

*Tom Tedde 9/14/05*  
FNMC Well Assn.

Lower Arkansas Water Management Assn.

Sylvia McComber

**Assignment**

**Whereas**, the Lower Arkansas Valley Water Conservancy District (District) was formed to acquire, retain, and conserve native water flowing in the Arkansas River and its tributaries; to insure that such water remain in the valley for the socio-economic benefit of the citizens of Pueblo, Otero, Crowley, Bent and Prowers Counties; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley, and;

**Whereas**, the District, acting through it's Board of Directors on February 9, 2005, committed to make certain waters that it owns or controls available to irrigation well owners within the District, including water derived from shares of the Twin Lakes Company, for the purpose of reducing the apparent unreplaced depletion to usable Stateline flows that has occurred as a result of post-Compact well pumping by irrigation well owners within the District during the period 1997-2004, and;

**Whereas**, the District accumulated 241 acre-feet of such water as of August 15, 2005, and;

**Whereas**, the District traded this quantity of fully consumable transmountain water for a like amount of fully consumable native waters owned by various entities, including Colorado Springs Utilities, the Town of Woodland Park, and the Pueblo Board of Water Works and;

**Whereas**, said quantity of water less applicable transit losses has been delivered into the Offset Account in John Martin Reservoir in order to accomplish the aforesaid purpose;

**Now, therefore**, this document shall attest that the District has assigned said quantity of water to the well associations / owners named hereafter, and the well association representatives or well owners, by their signatures below agree that said water should be apportioned among their associations / individual wells in proportion to their respective contributions to the accumulated unreplaced depletions to usable Stateline flow as determined by the State and Division Engineers.

Lower Arkansas Valley Water Cons. Dist.

Date:

9-27-05

Arkansas Ground Water Users Assn.

Ft. Lyon Well Assn

Colorado Water Protective and Dev. Assn.

FNMC Well Assn.

Lower Arkansas Water Management Assn.

Sylvia McComber





# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>



Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

October 3, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Delivery to the Offset Account in John Martin Reservoir – Fully Consumable Water Released from Pueblo Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of a delivery of water to the Offset Account. This letter provides the reporting of deliveries to the Offset Account on behalf of the Lower Arkansas Water Management Association (LAWMA), Colorado Water Protective & Development Association (CWPDA), Arkansas Groundwater Users Association (AGUA), Fort Lyon Well Users Association (FLWUA) as well as the smaller plan associations (FNMC and McComber) via an agreement with the Lower Arkansas Valley Water Conservancy District. Approximately 1601.82 acre-feet of fully consumable water was released from Pueblo Reservoir to net 1574.22 acre-feet of fully consumable water to the Colorado Downstream Consumable Water and Colorado Upstream Consumable Water subaccounts of the Offset Account. This operation was first described in the letter of August 18, 2005, which provided the initial notice of the delivery of water from this replacement source. The purpose of this delivery was to offset depletions to usable stateline flow calculated from H-I model update runs for 1997 through 2004.

### Summary

Enclosure 1 contains the August accounting spreadsheet for Pueblo Reservoir detailing the release from the Pueblo Board of Water Works (PBWW) account. Enclosure 2 contains the transit loss calculations for this delivery. Enclosure 3 contains the accounting sheets for the Offset Account for August 2005, indicating the delivery of water to the appropriate sub-account of the Offset Account.

Enclosure 4 contains the agreement between the Lower Arkansas Valley Water Conservancy District and the Pueblo Board of Water Works. Enclosure 5 contains the agreement between LAVWCD and the well users groups.

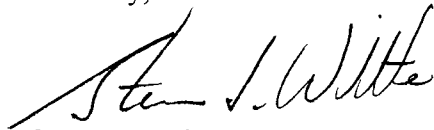
The purpose of the delivery was to replace depletions to usable stateline flow attributable to the Replacement Plan Operations for 1997 through 2004 as determined by recent runs of the H-I Model that were not replaced by concurrent replacement operations under the replacement plans.

As indicated above, the delivery of 1574.22 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. This water has been made available to offset depletions to usable stateline flow calculated from H-I model update runs for 1997 through 2004.

Under those provisions, the balance of the 1574.22 acre-feet will be moved from the Colorado Consumable Water subaccount to the Kansas Consumable Water subaccount of the Offset Account 30 days after the date of this notification letter in order that evaporation be charged as provided for by paragraph 5B of the Resolution.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

5 Enclosures

cc: Mark Rude Kevin Salter John Draper Dale Book Hal Simpson  
Dennis Montgomery Don Higbee Jim Slattery Dale Straw Monique Morey  
Bill Tyner Ivan Walter Joe Kelley Mark McLean Brenda Fillmore  
Amy Van Horn Tom Fedde Sylvia McComber Kalsoum Abbasi

**Enclosure 1**

**Pueblo Reservoir Accounting for August 2005**

**DIVISION OF WATER RESOURCES  
PUEBLO RESEVOIR DAILY BALANCE SHEET**

PRINT DATE:

AUG		RESERVOIR RELEASES																ADMIN
2005.00	0000 HRS	PUEBLO WEST I & W	PBWW I & W (MO)	PBWW I & W (WPD RF)	Holbrook Winter Water (CWPDA)	Catlin Winter Water (CWPDA)	CS I&W (For Crowley) (County)	CANON CITY PROJ C.O. (COTTER)	CS I & W (86CW117) (Fin Valley)	CSU I&W	EVAP	2400 HRS CONTENT	ADMIN ACCT					
1	109430	22.75	51.21	3.75	Water (CWPDA)	Water (CWPDA)	(County)	10.00	11.31	31.76	103.76	108673.63	111.58					
2	108674	20.57	52.02	3.75	(CWPDA)	(June)	(July)	-	11.31	32.22	94.15	108242.41	323.10					
3	108242	24.96	62.15	3.75	(June)	55.66	11.05	St Chas Mesa	11.31	26.18	69.27	107518.55	167.59					
4	107519	22.52	13.67	3.75	42.00	-	-	Project	11.31	6.19	0.00	107330.09	363.19					
5	107330	12.77	5.24	3.75	-	CWPDA	Crowley	(CWPDA)	11.31	0.00	24.86	107008.51	2.63					
6	107009	17.01	8.12	3.75	Holbrook Project	Project	County	(June)	11.31	0.06	71.66	106607.82	49.67					
7	106608	15.49	44.68	3.75	Project	(June)	Project	32.00	11.31	0.00	85.41	105887.84	237.70					
8	105888	22.22	47.11	3.75	(CWPDA)	29.00	(CWPDA)	-	11.31	21.70	81.98	105010.87	383.85					
9	105011	23.68	34.88	3.75	(June)	-	(June)	-	11.31	14.80	61.59	104005.82	249.89					
10	104006	20.79	19.44	3.75	93.00	-	6.50	-	11.31	22.65	43.74	103294.21	145.99					
11	103294	19.65	0.00	3.75	-	-	-	-	11.31	16.40	0.00	102559.29	-276.10					
12	102559	15.48	0.00	3.75	-	-	-	-	11.31	2.16	47.41	102506.80	-350.94					
13	102507	19.65	0.00	3.75	-	-	-	-	11.31	7.43	0.00	102664.31	-266.76					
14	102664	9.47	0.00	3.75	-	-	-	-	11.31	0.00	19.40	103215.85	125.23					
15	103216	10.30	0.00	3.75	85.66	(Offset Acct)	-	-	11.31	12.13	29.17	103346.89	261.46					
16	103347	10.95	0.00	3.75	228.42	228.42	228.42	-	11.31	1.58	0.00	103136.24	201.02					
17	103136	9.15	0.00	3.75	228.42	228.42	228.42	-	11.31	21.92	68.90	102769.38	214.06					
18	102769	12.50	0.82	3.75	228.42	228.42	228.42	-	11.31	24.71	65.75	102479.92	350.43					
19	102480	14.71	11.22	3.75	228.42	228.42	228.42	-	11.31	25.68	54.92	101957.05	265.78					
20	101957	15.90	0.00	3.75	228.42	228.42	228.42	-	11.31	11.47	35.00	101434.17	138.43					
21	101434	15.77	0.00	3.75	228.42	228.42	228.42	-	11.31	0.00	47.12	101199.92	265.49					
22	101200	14.99	5.31	3.75	145.64	145.64	-	-	11.31	13.32	37.31	100991.35	349.28					
23	100991	18.12	0.00	3.75	-	-	-	-	11.31	8.17	51.61	100887.14	375.67					
24	100887	16.11	8.77	3.75	-	-	-	-	11.31	23.44	74.29	100626.84	315.65					
25	100627	17.01	14.28	3.75	-	-	-	-	11.31	1.47	63.02	100264.21	137.76					
26	100264	18.72	11.05	3.75	-	-	-	-	11.31	15.84	66.45	99797.26	-14.71					
27	99797	18.71	0.00	3.75	-	-	-	-	11.31	3.46	67.27	99331.34	-85.11					
28	99331	15.16	0.00	3.75	-	-	-	-	11.31	3.35	55.69	99099.38	58.23					
29	99099	14.82	23.59	3.75	-	-	-	-	11.31	24.73	66.12	98816.13	110.08					
30	98816	18.34	26.00	3.75	-	-	-	-	11.31	12.48	90.09	98686.63	190.04					
31	98687	17.32	19.88	3.75	-	-	-	-	11.31	22.36	54.02	98583.60	205.77					

525.59 1601.82

(1) NOTE: On Aug. 26 @ 12:00 hrs, the exchanges and APODs subject to the Pueblo Flow Program IGA were voluntarily curtailed. Colorado Springs and Aurora delivered their water to Hobbrook. Fountain  
(2) NOTE: On Aug. 29 @ 12:00 hrs, the exchanges and APODs subject to the Pueblo Flow Program IGA were voluntarily reinstated.  
(3) NOTE: On Aug. 30, SCMWWD Project carryover release was adjusted to correct for prior over-releases from the 26th-29th. Releases should have been 11.98, 11.07, 11.07, 11.07 ac-ft for the 26th-29th.

PROJECT WATER RELEASES FOR AUGUST 2005  
FORT LYON: 3719.95 TL =  
HIGHLINE: 100.50 TL =  
OXFORD: 392.38 TL =  
BESSEMER: 2595.00 TL =



## **Enclosure 2**

### **Transit Loss Calculations**

TRANSIT LOSS AND TRAVEL TIME

BASE RELEASE

For Site No.: 20 John Martin Dam

Release date: 8/15/2005 15:00  
 Release time: 12:00:00 (24hr clock)  
 Diversion Mile: 142.2 miles  
 Base Release: 115.16 cfs  
 Type Of Water: PBWW Ark River CU (Delivery to Offset Account)  
 Duration: 7 Days  
 Adjustment for summer release = 1

SubReach	Station	Antecedent Streamflow	Reach	Percent transit loss	Projected Elapsed Hours	Projected arrival at Diversion	
						Date	Time
1	ARKPUECO	585		3.45	6.59	8/15/2005	18:35
2	ARKAVOCO	730		1.91	8.22	8/15/2005	2:48
3	ARKNEPCO	858		1.84	9.65	8/16/2005	12:27
4	ARKCATCO	1710		1.92	(9.47)*	8/16/2005	21:55
5	ARKLAJCO	326		2.92	10.11	8/16/2005	8:02
6	ARKLASCO	187	6>	3.03	5.73	8/17/2005	13:46
Subtotal				15.06% (+/-)	49.77(+/-) hrs.		

Adjustment factor for base release of 115.16 cfs = 0.99  
 Adjustment factor for release duration of 7 day(s) = 1.15  
 Adjusted transit loss to site number 20 = 17.14581 %. For a reservoir release of 115.16 cfs, the diversion at site number 20 = 95.41 cfs

\*Values in this range are approximate.

Transit4.xls rlp 6/24/99 RRelease

$$\begin{array}{r}
 115.16 \text{ cfs} \\
 - 95.41 \text{ cfs} \\
 \hline
 19.75 \text{ cfs} \\
 * 0.10 \\
 \hline
 1.975 \text{ cfs}
 \end{array}$$

Reservoir To Reservoir RELEASE/DELIVERY

$$\begin{array}{r}
 115.16 \text{ cfs @ Pueresco} \\
 - 1.98 \text{ cfs TRANSIT LOSS} \\
 \hline
 113.18 \text{ cfs @ JMA}
 \end{array}$$

Total Release from Pueblo Reservoir = 1601.82 AF  
 Duration of Release from Pueblo Res =  $\frac{1601.82 \text{ AF}}{228.42 \text{ AF/DAY}} = 7.0126 \text{ days} = 7 \text{ days} + 18 \text{ mins}$

TRANSIT LOSS = (10% of 17.14581%) \* 1601.82 AF = 27.46 AF

$$\begin{array}{r}
 1601.82 \text{ AF @ Pueresco} \\
 - 27.46 \text{ AF Transit Loss} \\
 \hline
 1574.36 \text{ AF @ JMA}
 \end{array}$$

Approximate Travel Time = 72 hours from Pueblo Res. to JMA

**Enclosure 3**

**John Martin Offset Accounting for August 2005**

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1610.88							0.00							0.00
1	53.15	0.71	0.71	0.00	13.65	1650.38	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	53.66	0.71	0.71	0.00	14.06	1689.98	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	42.20	0.71	0.71	0.00	10.11	1722.07	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	38.22	0.71	0.71	0.00	5.47	1754.82	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	34.26	0.71	0.71	0.00	7.40	1781.68	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	31.87	0.71	0.71	0.00	7.54	1806.01	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	32.01	0.71	0.71	0.00	7.68	1830.34	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	34.09	0.71	0.71	0.00	6.57	1857.86	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	38.65	0.71	0.71	0.00	11.74	1884.77	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	46.75	0.71	0.71	0.00	9.12	1922.40	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	47.67	0.71	0.71	0.00	9.62	1960.45	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	47.98	0.71	0.71	0.00	3.76	2004.67	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	49.37	0.71	0.71	0.00	4.07	2049.97	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	40.59	0.71	0.71	0.00	4.16	2086.40	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	48.46	212.89	0.71	0.00	6.94	2340.09	15	0.00	67.08	0.00	0.00	0.00	67.08	15	0.00	0.00	0.00	0.00	0.00	0.00
16	53.89	0.71	0.71	0.00	8.87	2385.11	16	0.00	0.00	0.00	0.00	0.25	66.83	16	0.00	0.00	0.00	0.00	0.00	0.00
17	54.26	0.71	0.71	0.00	10.71	2428.66	17	0.00	0.00	0.00	0.00	0.30	66.53	17	0.00	0.00	0.00	0.00	0.00	0.00
18	76.66	0.71	0.71	0.00	10.02	2495.30	18	7.39	0.00	0.00	0.00	0.27	73.65	18	0.00	0.00	0.00	0.00	0.00	0.00
19	272.91	0.71	0.71	0.00	8.19	2760.02	19	70.97	0.00	0.00	0.00	0.24	144.38	19	0.00	0.00	0.00	0.00	0.00	0.00
20	272.77	0.71	0.71	0.00	9.13	3023.66	20	70.97	0.00	0.00	0.00	0.48	214.87	20	0.00	0.00	0.00	0.00	0.00	0.00
21	272.82	0.71	0.71	0.00	10.06	3286.42	21	70.97	0.00	0.00	0.00	0.72	285.12	21	0.00	0.00	0.00	0.00	0.00	0.00
22	272.97	0.71	0.71	0.00	2.12	3557.27	22	70.97	0.00	0.00	0.00	0.18	355.91	22	0.00	0.00	0.00	0.00	0.00	0.00
23	273.35	0.71	0.71	0.00	15.68	3814.94	23	70.97	0.00	0.00	0.00	1.57	425.31	23	0.00	0.00	0.00	0.00	0.00	0.00
24	273.63	0.71	0.71	0.00	16.41	4072.16	24	70.97	0.00	0.00	0.00	1.83	494.45	24	0.00	0.00	0.00	0.00	0.00	0.00
25	242.37	0.71	0.71	0.00	17.95	4296.58	25	64.50	0.00	0.00	0.00	2.18	556.77	25	0.00	0.00	0.00	0.00	0.00	0.00
26	31.09	0.71	0.71	0.00	15.17	4312.50	26	0.00	0.00	0.00	0.00	1.97	554.80	26	0.00	0.00	0.00	0.00	0.00	0.00
27	28.05	0.71	0.71	0.00	15.26	4325.29	27	0.00	0.00	0.00	0.00	1.96	552.84	27	0.00	0.00	0.00	0.00	0.00	0.00
28	22.13	0.71	0.71	0.00	15.32	4332.10	28	0.00	0.00	0.00	0.00	1.96	550.88	28	0.00	0.00	0.00	0.00	0.00	0.00
29	19.23	0.71	0.71	0.00	20.46	4330.87	29	0.00	0.00	0.00	0.00	2.60	548.28	29	0.00	0.00	0.00	0.00	0.00	0.00
30	19.25	0.71	0.71	0.00	26.14	4323.98	30	0.00	0.00	0.00	0.00	3.31	544.97	30	0.00	0.00	0.00	0.00	0.00	0.00
31	21.41	0.71	0.71	0.00	16.84	4328.55	31	0.00	0.00	0.00	0.00	2.12	542.85	31	0.00	0.00	0.00	0.00	0.00	0.00
2845.72							497.71							0.00						

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1542.78							1542.78							0.00
1	53.15	0.00	0.71	0.00	13.07	1582.15	1	18.82	0.00	0.71	0.00	13.07	1547.82	1	34.33	0.00	0.00	0.00	0.00	34.33
2	53.66	0.00	0.71	0.00	13.48	1621.62	2	18.82	0.00	0.71	0.00	13.19	1552.74	2	34.84	0.00	0.00	0.00	0.29	68.88
3	42.20	0.00	0.71	0.00	9.70	1653.41	3	18.82	0.00	0.71	0.00	9.29	1561.56	3	23.38	0.00	0.00	0.00	0.41	91.85
4	38.22	0.00	0.71	0.00	5.25	1685.67	4	18.82	0.00	0.71	0.00	4.96	1574.71	4	19.40	0.00	0.00	0.00	0.29	110.96
5	34.26	0.00	0.71	0.00	7.11	1712.11	5	18.82	0.00	0.71	0.00	6.64	1586.18	5	15.44	0.00	0.00	0.00	0.47	125.93
6	31.87	0.00	0.71	0.00	7.25	1736.02	6	18.82	0.00	0.71	0.00	6.72	1597.57	6	13.05	0.00	0.00	0.00	0.53	138.45
7	32.01	0.00	0.71	0.00	7.38	1759.94	7	18.82	0.00	0.71	0.00	6.79	1608.89	7	13.19	0.00	0.00	0.00	0.59	151.05
8	34.09	0.00	0.71	0.00	6.32	1787.00	8	18.82	0.00	0.71	0.00	5.78	1621.22	8	15.27	0.00	0.00	0.00	0.54	165.78
9	38.65	0.00	0.71	0.00	11.29	1813.65	9	18.82	0.00	0.71	0.00	10.24	1629.09	9	19.83	0.00	0.00	0.00	1.05	184.56
10	46.75	0.00	0.71	0.00	8.78	1850.91	10	18.82	0.00	0.71	0.00	7.89	1639.31	10	27.93	0.00	0.00	0.00	0.89	211.60
11	47.67	0.00	0.71	0.00	9.26	1888.61	11	18.82	0.00	0.71	0.00	8.20	1649.22	11	28.85	0.00	0.00	0.00	1.06	239.39
12	47.98	0.00	0.71	0.00	3.62	1932.26	12	18.82	0.00	0.71	0.00	3.16	1664.17	12	29.16	0.00	0.00	0.00	0.46	268.09
13	49.37	0.00	0.71	0.00	3.92	1977.00	13	18.82	0.00	0.71	0.00	3.38	1678.90	13	30.55	0.00	0.00	0.00	0.54	298.10
14	40.59	0.00	0.71	0.00	4.01	2012.87	14	18.82	0.00	0.71	0.00	3.41	1693.60	14	21.77	0.00	0.00	0.00	0.60	319.27
15	48.46	212.18	0.71	0.00	6.70	2266.09	15	18.82	134.49	0.71	0.00	5.64	1840.55	15	29.64	10.61	0.00	0.00	1.06	358.46
16	53.89	0.00	0.71	0.00	8.59	2310.68	16	17.88	0.00	0.71	0.00	6.98	1850.74	16	36.01	0.00	0.00	0.00	1.36	393.11
17	54.26	0.00	0.71	0.00	10.38	2353.85	17	17.88	0.00	0.71	0.00	8.32	1859.59	17	36.38	0.00	0.00	0.00	1.76	427.73
18	76.66	0.00	0.71	0.00	9.71	2420.09	18	32.70	0.00	0.71	0.00	7.68	1883.90	18	36.57	0.00	0.00	0.00	1.76	462.54
19	272.91	0.00	0.71	0.00	7.94	2684.35	19	160.18	0.00	0.71	0.00	6.18	2037.19	19	41.76	0.00	0.00	0.00	1.52	502.78
20	272.77	0.00	0.71	0.00	8.88	2947.53	20	160.18	0.00	0.71	0.00	6.74	2189.92	20	41.62	0.00	0.00	0.00	1.66	542.74
21	272.82	0.00	0.71	0.00	9.81	3209.83	21	160.18	0.00	0.71	0.00	7.28	2342.11	21	41.67	0.00	0.00	0.00	1.81	582.60
22	272.97	0.00	0.71	0.00	2.07	3480.02	22	160.18	0.00											

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						68.10							0.00
1	0.00	0.71	0.00	0.00	0.58	68.23	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.71	0.00	0.00	0.58	68.36	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.71	0.00	0.00	0.41	68.66	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.71	0.00	0.00	0.22	69.15	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.71	0.00	0.00	0.29	69.57	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.71	0.00	0.00	0.29	69.99	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.71	0.00	0.00	0.30	70.40	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.71	0.00	0.00	0.25	70.86	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.71	0.00	0.00	0.45	71.12	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.71	0.00	0.00	0.34	71.49	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.71	0.00	0.00	0.36	71.84	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.71	0.00	0.00	0.14	72.41	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.71	0.00	0.00	0.15	72.97	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.71	0.00	0.00	0.15	73.53	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.71	0.00	0.00	0.24	74.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.71	0.00	0.00	0.28	74.43	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.71	0.00	0.00	0.33	74.81	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.71	0.00	0.00	0.31	75.21	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.71	0.00	0.00	0.25	75.67	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.71	0.00	0.00	0.25	76.13	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.71	0.00	0.00	0.25	76.59	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.71	0.00	0.00	0.05	77.25	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.71	0.00	0.00	0.34	77.62	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.71	0.00	0.00	0.33	78.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.71	0.00	0.00	0.34	78.37	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.71	0.00	0.00	0.28	78.80	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.71	0.00	0.00	0.28	79.23	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.71	0.00	0.00	0.28	79.66	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.71	0.00	0.00	0.38	79.99	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.71	0.00	0.00	0.48	80.22	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.71	0.00	0.00	0.31	80.62	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	22.01	0.00	0.00	9.49			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							68.10
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.71	0.00	0.00	0.58	68.23
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.71	0.00	0.00	0.58	68.36
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.71	0.00	0.00	0.41	68.66
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.71	0.00	0.00	0.22	69.15
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.71	0.00	0.00	0.29	69.57
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.71	0.00	0.00	0.29	69.99
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.71	0.00	0.00	0.30	70.40
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.71	0.00	0.00	0.25	70.86
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.71	0.00	0.00	0.45	71.12
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.71	0.00	0.00	0.34	71.49
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.71	0.00	0.00	0.36	71.84
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.71	0.00	0.00	0.14	72.41
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.71	0.00	0.00	0.15	72.97
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.71	0.00	0.00	0.15	73.53
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.71	0.00	0.00	0.24	74.00
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.71	0.00	0.00	0.28	74.43
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.71	0.00	0.00	0.33	74.81
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.71	0.00	0.00	0.31	75.21
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.71	0.00	0.00	0.25	75.67
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.71	0.00	0.00	0.25	76.13
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.71	0.00	0.00	0.25	76.59
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.71	0.00	0.00	0.05	77.25
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.71	0.00	0.00	0.34	77.62
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.71	0.00	0.00	0.33	78.00
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.71	0.00	0.00	0.34	78.37
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.71	0.00	0.00	0.28	78.80
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.71	0.00	0.00	0.28	79.23
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.71	0.00	0.00	0.28	79.66
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.71	0.00	0.00	0.38	79.99
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.71	0.00	0.00	0.48	80.22
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.71	0.00	0.00	0.31	80.62
	0.00	0.00	0.00	0.00	0.00			0.00	22.01	0.00	0.00	9.49	

**Enclosure 4**

**Agreement Between LAVWCD and PBWW**

## SHORT-TERM WATER LEASE

This Short-Term Water Lease (the "Lease") is entered into this 18<sup>th</sup> day of August 2005, by and between the Board of Water Works of Pueblo, Colorado (hereinafter called "Board") and the Lower Arkansas Valley Water Conservancy District (hereinafter called "Lessee").

### RECITALS:

- A. The water use that is the subject of this Lease is a type not normally within any regular rate schedule established by the Board and the parties agree that the terms of lease and delivery of water for the purposes set forth below should be the subject of this special Lease;
- B. Lessee desires to lease raw water from the Board to assist well users in complying with the Arkansas River Compact.
- C. The Board is willing to supply raw water to Lessee for its use for these purposes subject to the terms of this Lease.

In consideration of the foregoing recitals, the mutual promises contained herein, and the payments to be made hereunder, the parties agree as follows:

1. Delivery of Consumable Water. The Board agrees to deliver to Lessee fully consumable Arkansas River water that the Board either owns or will acquire through trades. The water will be delivered to John Martin Reservoir. The Lessee will be responsible for any transit losses or evaporation losses associated with delivering the water to John Martin Reservoir.
2. Term. The term of this Lease shall be from the date of execution of this Agreement through October 31, 2005
3. Delivery of Raw Water. The water to be delivered hereunder is raw, untreated water.
4. Reuse Rights. Once delivered to Lessee, all rights to reuse the water subject to this Agreement shall belong to Lessee and the Board shall have no further reuse rights.
5. Quantity. The Board will deliver to Lessee 1,573 acre-feet of water during the term of this Agreement.
6. Charge. Lessee will pay the Board \$9 per acre-foot for the 1,573 acre-feet of water leased under this Agreement for a total lease price of \$14,157.
7. Payment. Payment for water shall be made by the Lessee upon execution of this Agreement. No water will be delivered until payment is made in full.

8. Pueblo City Charter Provision. This Lease involves the use of water outside the territorial limits of the City of Pueblo and is specifically limited by the provisions of the City Charter governing such use. The Charter provides, among other things, that: "The Board of Water Works shall have and exercise all powers which are granted to Cities of the First Class by the Constitution and laws of the State of Colorado, except the power to levy and collect taxes directly or indirectly. Surplus water may be supplied to territories outside the City until same is needed by the inhabitants of the City."
9. Determination of Water Availability by the Board. The extent to which limitations on water delivery outside the City of Pueblo is, or may be, necessary to enable the Board to provide adequately for users inside the City of Pueblo is a fact to be determined by the Board in the exercise of its reasonable discretion from time to time as the circumstances may require.
10. Interruption of Water Supply Beyond the Board's Control. The Board has determined that the welfare of City of Pueblo requires a stable water supply not only for its inhabitants but also for the other customers of the Board putting to beneficial use the water belonging to the Board. While it is the Board's purpose to maintain a water supply adequate to meet the needs of the metropolitan area logically dependent on the Board for water supply and to permit it to supply other temporary contract customers, there are many elements that make it uncertain whether the water supply can always be adequate for all such users. Both parties to this Lease recognize that the water supply for the Board and its water customers is dependent upon sources from which the supply is variable in quantity and beyond the control of the Board. The Board is not liable in tort or contract under this Lease on account of any failure to accurately anticipate availability of water supply or because of an actual failure to supply water due to inadequate runoff or inadequate storage, or any conditions arising from an occurrence beyond the reasonable control of the Board, including, but not limited to, act of God, strike, war, insurrection, or inability to serve arising out of the order of any court, or the lawful order of any governmental administrative body or agency clothed with authority to regulate matters pertaining to water, public utilities, public health, or pollution control.
11. Emergency Water Shortages. The parties agree that, from time to time, emergency situations may arise where it is necessary for the Board to limit the use of water by extra-territorial contract customers. The parties agree that the necessity for such limitation is a fact to be determined by the Board in the exercise of its reasonable discretion from time to time, as occasion may require. It is hereby agreed that the Board may adopt, in the situation of shortage, such reasonable restrictions on uses or priorities for curtailment of use, as may be necessary to adapt to such emergency conditions or shortage, including reductions in water deliveries under this Lease. Lessee agrees that the Board is not liable in tort or contract under this Lease on the account of the necessity for adopting and implementing such policies to meet emergency conditions or shortage. In the event that the Board is unable to make the deliveries of water to



Lessee specified in this Lease, then Lessee's payment for water shall be reduced or refunded in proportion to any reduction of deliveries by the Board.

12. Prior Agreement Priority of Curtailment. The Board has entered into an agreement with Pueblo Suburban Development, L.L.C., dated May 14, 2003, in which the Board agrees to supply up to 5,500 acre feet per annum of water to Pueblo Suburban Development, L.L.C., for a term commencing twenty-five (25) years beginning January 1, 2004. Pueblo Suburban Development, L.L.C., has an option to extend that agreement for one time for an additional fifteen (15) years. That agreement contains paragraphs 14, 15 and 16, which paragraphs are very similar to paragraphs 9, 10 and 11 of this agreement concerning the right of the Board under certain circumstances to curtail water deliveries to extraterritorial customers of the Board. The agreement between the Board and Pueblo Suburban Development, L.L.C., contains the following provision:

"The Board and Pueblo Suburban acknowledge that the Board may enter into future agreements with extraterritorial customers for the delivery of untreated water by the Board. The Board agrees that during the term of this agreement or any extension thereof that should the Board exercise its rights under paragraphs 14, 15 and 16 of this agreement to curtail water deliveries to extraterritorial customers of the Board that the Board will curtail the extraterritorial raw water supplies under agreements that it may enter into with customers after the date of this agreement before curtailing water supplies to Pueblo Suburban."
13. Limitations Concerning Subsequent Extra-Territorial Water Customers. The Board shall not use the provisions of Paragraphs 9 through 11 to curtail extra-territorial water supplies to Lessee in order to lease water to new extra-territorial water customers of the Board at higher water charges.
14. Not a Permanent Supply. The parties understand and agree that this Lease is not to be interpreted as any commitment on the part of the Board to furnish water to Lessee on a permanent basis, but rather is to assist the Lessee in supplementing Lessee's own water supplies by water leased from the Board for a temporary period.
15. Assignability. This Lease may be assigned by Lessee subject to prior written approval of said assignment by the Board, which approval shall not be unreasonably withheld.
16. Substitute Supply Plans and Augmentation Plans. The Board agrees that the water to be delivered under this Lease may be used in substitute supply plans and augmentation plans, and that it will cooperate with Lessee to provide information regarding its water rights that may be needed to obtain approval of Lessee's temporary substitute supply plans and/or augmentation plans. Lessee will provide any administrative or judicial body acting on its temporary substitute supply plan or augmentation plan a copy of this Lease. All costs for review and/or approval of

any such plans shall be borne by Lessee, and Lessee shall provide a copy of all such approved plans to the Board.

17. Waiver. Unless stated otherwise herein, failure of either party to this Lease to exercise any right hereunder shall not be deemed a waiver of such party's right and shall not affect the right of said party to exercise, at some future time, said right or rights or any other right it may have hereunder. No waiver of any of the provisions of this Lease shall be deemed or shall constitute a waiver of any other provision, whether or not similar, nor shall any waiver constitute a continuing waiver. No waiver shall be binding unless executed in writing by the party making the waiver.
18. No Exclusive Right or Privilege. Nothing in this Lease is to be construed as a grant by the Board of any exclusive right or privilege.
19. Title to Water Rights. Nothing in this Lease is to be interpreted as giving the Lessee any legal or equitable title in or to any of the Board's water or water rights.
20. Remedies. In the event that either party defaults in the performance of any of its obligations under this Lease, each party shall have all remedies provided in this Lease or by law or equity, but neither party shall have the right of specific performance against the other. In the event of litigation, the prevailing party shall be entitled to its litigation costs, including reasonable attorney's fees.
21. Default, Right to Cure. In the event that either party believes that the other is in default of any obligation under this Lease, the non-defaulting party shall promptly give written notice of the default to the defaulting party. If a notice of default is provided, the party accused of the default shall either cure it or provide a written statement explaining why it is not in default. If the alleged default is not cured or otherwise resolved within thirty (30) days, the parties may resort to their remedies.
22. Right to Enter Lease. Each party hereby warrants and represents that it has the full right and lawful authority to enter into this Lease.
23. Governing Law. This Lease shall be governed by the laws of the State of Colorado in all respects.
24. Headings. The headings used to designate the various sections of this Lease are solely for the convenience of reference and shall not be construed to define or limit any of the terms or provisions hereof.
25. No Third Party Beneficiaries. Except as expressly provided otherwise, this Lease is intended to be solely for the benefit of the parties and their respective successors and permitted

assigns, and this Lease shall not otherwise be deemed to confer upon or give to any other person or third party any remedy, claim, cause of action or other right.

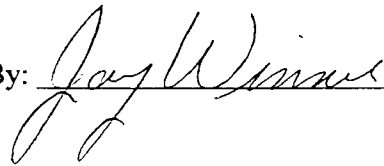
26. Entire Agreement, Modification. This Lease constitutes the entire agreement between the parties pertaining to the subject matter described in it and supersedes any and all prior contemporaneous agreements, representations, and understandings. No supplement, modification, or amendment of this Lease shall be binding unless executed in writing by all parties.

IN WITNESS WHEREOF, the Board and Lessee have executed this Lease on their respective behalf and by their proper officers.

**BOARD OF WATER WORKS OF  
PUEBLO, COLORADO**

By:   
Executive Director

**LOWER ARKANSAS VALLEY WATER  
CONSERVANCY DISTRICT**

By:   
\_\_\_\_\_

**Enclosure 5**

**Agreement between LAVWCD and Well Users Groups**

## Assignment

**Whereas**, the Lower Arkansas Valley Water Conservancy District (District) was formed to acquire, retain, and conserve native water flowing in the Arkansas River and its tributaries; to insure that such water remain in the valley for the socio-economic benefit of the citizens of Pueblo, Otero, Crowley, Bent and Prowers Counties; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley, and;

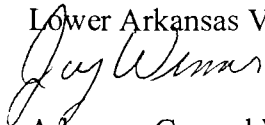
**Whereas**, the District, acting through it's Board of Directors on February 9, 2005, committed to lease as much fully consumable native water from the Pueblo Board of Water Works (PBWW) as PBWW will agree to lease to the District in 2005 for the purpose of reducing the apparent unreplaced depletion to usable Stateline flows that has occurred as a result of post-Compact well pumping by irrigation well owners within the District during the period 1997-2004, and;

**Whereas**, the District has leased 1573 acre-feet of such water from PBWW, pursuant to a lease agreement dated August 17, 2005, and;

**Whereas**, said quantity of water less transit losses has been delivered into the Offset Account in John Martin Reservoir in order to accomplish the aforesaid purpose;

**Now, therefore**, this document shall attest that the District has assigned said quantity of water to the well associations / owners named hereafter, and the well association representatives or well owners, by their signatures below agree that said water should be apportioned among their associations / individual wells in proportion to their respective contributions to the accumulated unreplaced depletions to usable Stateline flow as determined by the State and Division Engineers.

Lower Arkansas Valley Water Cons. Dist.



Arkansas Ground Water Users Assn.

Date:

8/13/05

Ft. Lyon Well Assn

Colorado Water Protective and Dev. Assn.

FNMC Well Assn.

Lower Arkansas Water Management Assn.

Sylvia McComber

## Assignment

**Whereas**, the Lower Arkansas Valley Water Conservancy District (District) was formed to acquire, retain, and conserve native water flowing in the Arkansas River and its tributaries; to insure that such water remain in the valley for the socio-economic benefit of the citizens of Pueblo, Otero, Crowley, Bent and Prowers Counties; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley, and;

**Whereas**, the District, acting through it's Board of Directors on February 9, 2005, committed to lease as much fully consumable native water from the Pueblo Board of Water Works (PBWW) as PBWW will agree to lease to the District in 2005 for the purpose of reducing the apparent unreplaced depletion to usable Stateline flows that has occurred as a result of post-Compact well pumping by irrigation well owners within the District during the period 1997-2004, and;

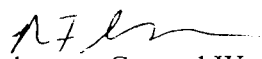
**Whereas**, the District has leased 1573 acre-feet of such water from PBWW, pursuant to a lease agreement dated August 17, 2005, and;

**Whereas**, said quantity of water less transit losses has been delivered into the Offset Account in John Martin Reservoir in order to accomplish the aforesaid purpose;

**Now, therefore**, this document shall attest that the District has assigned said quantity of water to the well associations / owners named hereafter, and the well association representatives or well owners, by their signatures below agree that said water should be apportioned among their associations / individual wells in proportion to their respective contributions to the accumulated unreplaced depletions to usable Stateline flow as determined by the State and Division Engineers.

Lower Arkansas Valley Water Cons. Dist.

Date:

  
Arkansas Ground Water Users Assn.

Ft. Lyon Well Assn

Colorado Water Protective and Dev. Assn.

FNMC Well Assn.

Lower Arkansas Water Management Assn.

Sylvia McComber

## Assignment

**Whereas**, the Lower Arkansas Valley Water Conservancy District (District) was formed to acquire, retain, and conserve native water flowing in the Arkansas River and its tributaries; to insure that such water remain in the valley for the socio-economic benefit of the citizens of Pueblo, Otero, Crowley, Bent and Prowers Counties; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley, and;

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Lower Arkansas Valley Water Cons. Dist.

Date:

Arkansas Ground Water Users Assn.

Ft. Lyon Well Assn

  
Colorado Water Protective and Dev. Assn.

FNMC Well Assn.

Lower Arkansas Water Management Assn.

Sylvia McComber

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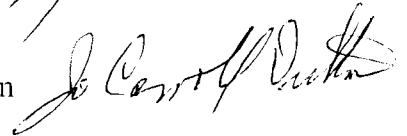
Lower Arkansas Valley Water Cons. Dist.

Date:

8/27/05

Arkansas Ground Water Users Assn.

Ft. Lyon Well Assn



Colorado Water Protective and Dev. Assn.

FNMC Well Assn.

Lower Arkansas Water Management Assn.

Sylvia McComber



**Assignment**

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Lower Arkansas Valley Water Cons. Dist.

Date:

Arkansas Ground Water Users Assn.

Ft. Lyon Well Assn

Colorado Water Protective and Dev. Assn.

Tom Tedde 9/14/05  
FNMC Well Assn.

Lower Arkansas Water Management Assn.

Sylvia McComber

**Assignment**

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Lower Arkansas Valley Water Cons. Dist.

Date: 9-27-05

Arkansas Ground Water Users Assn.

Ft. Lyon Well Assn

Colorado Water Protective and Dev. Assn.

FNMC Well Assn.

Lower Arkansas Water Management Assn.

Sylvia McComber



**SECTION 3**

**November 2005**

# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>



November 22, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

RE: Notice of Delivery to the Offset Account in John Martin Reservoir – Keesee Water Right

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”) of a delivery of water to the Offset Account. This letter provides the monthly reporting of deliveries to the Offset Account from the Lower Arkansas Water Management Association’s (LAWMA) shares of the Keesee Ditch first described in the letter of May 7, 2005, which provided the initial notice of the delivery of water from this replacement source for 2005. This letter also serves to describe the operations in 2005.

### **Keesee Ditch operations pursuant to Paragraph 14 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998**

For the majority of the 2005 season, LAWMA was able to store the consumable portion of the Keesee Ditch water right in the Offset Account in John Martin Reservoir. The return flow component was left in the river to prevent injury with the exception of the winter delayed return flow component, which was deducted from the consumable portion of the delivery to the Offset Account and stored in a separate subaccount in the Offset Account.

The basic daily operation of the determination of the in-priority amount for the Keesee Ditch, computation of consumptive use and winter return flow components, and subsequent storage are described below:

1. On a daily basis the River Operations Coordination staff in the Division 2 office determined from available inflows the amount available for diversion by Water District 67 ditches under the priority system with appropriate transit loss included. Due to the relative seniority of the Keesee Ditch 1881 and 1883 water rights, the amount available to the Keesee Ditch water right was most typically the full 13.5 cubic feet per second (9 cfs for 1881 and 3.5 cfs for 1883). The relatively junior third priority Keesee Ditch water right (15 cfs for 1893) was only a factor on seven days during the irrigation season (June 2<sup>nd</sup> thru 5<sup>th</sup> and June 15<sup>th</sup> thru 17<sup>th</sup>) when a portion or all of the junior water right was determined to have been available in priority. There was one day in May when inflows were determined to be only sufficient to fill the senior 1881 Keesee Ditch right and a portion the Keesee Ditch 1883 right. Inflows of the Keesee Ditch water right were curtailed during each period of summer conservation storage that occurred during 2005 per Paragraph 14 of the Resolution.

2. Upon determination of the daily amount available to the Keesee Ditch for diversion, the monthly consumptive use factor was applied to determine the amount of consumable water available to be stored.
3. The consumable portion was then shown as an inflow to the Offset Account and deposited in the Colorado Downstream Consumable subaccount. The amount necessary to replace winter return flows (3.75%) was then transferred to the Keesee Winter subaccount along with any additional amount necessary to offset the prior day's evaporation from this subaccount. (Winter return flows owed the river will be released to match the historic pattern during the period of conservation storage.)
4. Dryup acreage was monitored by both Colorado and Kansas through site visits and by LAWMA through coordination with the Keesee Ditch owner.

**Summary**

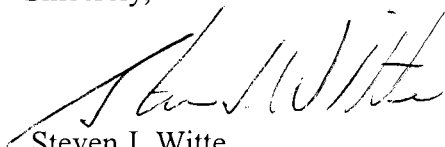
Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Keesee Ditch for 2005.

The following table summarizes the deliveries of water into the Offset Account during the reporting period.

MONTH	Total C. U. Water (AF)	Winter RF & Evap (AF)	Net C. U. Water (AF)
April	0.0	0.0	0.0
May	613.7	23.0	590.7
June	534.5	20.1	514.4
July	640.2	23.9	616.3
August	583.4	22.0	561.4
September	507.0	18.9	488.1
October	458.2	17.1	441.1
Total	3337.0	125.0	3212.0

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

1 Enclosure

cc: Mark Rude                      Kevin Salter                      John Draper  
Dale Book                      Hal Simpson                      Dennis Montgomery                      Dale Straw

Enclosure 1

Keesee Ditch Accounting for 2005









**Deliveries from Keesee Ditch for Consumptive Use credit to Offset Account  
July, 2005**

	Keesee in	Computed CU	Amount of CU Water	Acct 59
	Priority	Water to Account	Keesee Winter RF Acct	Evaporation
Date	(cfs)	53	59	(ac-ft)
		(ac-ft)	(ac-ft)	
7/1/2005	13.50	20.65	0.77	0.09
7/2/2005	13.50	20.65	0.77	0.09
7/3/2005	13.50	20.65	0.77	0.09
7/4/2005	13.50	20.65	0.77	0.09
7/5/2005	13.50	20.65	0.77	0.09
7/6/2005	13.50	20.65	0.77	0.07
7/7/2005	13.50	20.65	0.77	0.12
7/8/2005	13.50	20.65	0.77	0.14
7/9/2005	13.50	20.65	0.77	0.15
7/10/2005	13.50	20.65	0.77	0.16
7/11/2005	13.50	20.65	0.77	0.18
7/12/2005	13.50	20.65	0.77	0.16
7/13/2005	13.50	20.65	0.77	0.16
7/14/2005	13.50	20.65	0.77	0.18
7/15/2005	13.50	20.65	0.77	0.2
7/16/2005	13.50	20.65	0.77	0.22
7/17/2005	13.50	20.65	0.77	0.24
7/18/2005	13.50	20.65	0.77	0.05
7/19/2005	13.50	20.65	0.77	0.32
7/20/2005	13.50	20.65	0.77	0.39
7/21/2005	13.50	20.65	0.77	0.36
7/22/2005	13.50	20.65	0.77	0.36
7/23/2005	13.50	20.65	0.77	0.36
7/24/2005	13.50	20.65	0.77	0.36
7/25/2005	13.50	20.65	0.77	0.28
7/26/2005	13.50	20.65	0.77	0.1
7/27/2005	13.50	20.65	0.77	0.34
7/28/2005	13.50	20.65	0.77	0.38
7/29/2005	13.50	20.65	0.77	0.44
7/30/2005	13.50	20.65	0.77	0.45
7/31/2005	13.50	20.65	0.77	0.46

640.15

23.87

**End of Month Evap Transfer from Acct 53**

**7.08**

CU factor for July =

77.1%

Note: 20.65 af for 7/29 was inadvertently omitted from JMAS Inflow



**Deliveries from Keesee Ditch for Consumptive Use credit to Offset Account  
September, 2005**

	Keesee in	Computed CU	Amount of CU Water	Acct 59
	Priority	Water to Account	Keesee Winter RF Acct	Evaporation
Date	(cfs)	53	59	(ac-ft)
		(ac-ft)	(ac-ft)	
9/1/2005	13.50	16.90	0.63	0.19
9/2/2005	13.50	16.90	0.63	0.35
9/3/2005	13.50	16.90	0.63	0.36
9/4/2005	13.50	16.90	0.63	0.36
9/5/2005	13.50	16.90	0.63	0.38
9/6/2005	13.50	16.90	0.63	0.27
9/7/2005	13.50	16.90	0.63	0.31
9/8/2005	13.50	16.90	0.63	0.56
9/9/2005	13.50	16.90	0.63	0.52
9/10/2005	13.50	16.90	0.63	0.53
9/11/2005	13.50	16.90	0.63	0.54
9/12/2005	13.50	16.90	0.63	0.51
9/13/2005	13.50	16.90	0.63	0.36
9/14/2005	13.50	16.90	0.63	0.18
9/15/2005	13.50	16.90	0.63	0.27
9/16/2005	13.50	16.90	0.63	0.40
9/17/2005	13.50	16.90	0.63	0.40
9/18/2005	13.50	16.90	0.63	0.42
9/19/2005	13.50	16.90	0.63	0.03
9/20/2005	13.50	16.90	0.63	0.31
9/21/2005	13.50	16.90	0.63	0.40
9/22/2005	13.50	16.90	0.63	0.19
9/23/2005	13.50	16.90	0.63	0.33
9/24/2005	13.50	16.90	0.63	0.33
9/25/2005	13.50	16.90	0.63	0.33
9/26/2005	13.50	16.90	0.63	0.34
9/27/2005	13.50	16.90	0.63	0.28
9/28/2005	13.50	16.90	0.63	0.06
9/29/2005	13.50	16.90	0.63	0.30
9/30/2005	13.50	16.90	0.63	0.33

507.00

18.90

**End of Month Evap Transfer from Acct 53**

10.14

CU factor for September =

63.1%

**Deliveries from Keesee Ditch for Consumptive Use credit to Offset Account  
October, 2005**

	Keesee in	Computed CU	Amount of CU Water	Acct 59
	Priority	Water to Account	Keesee Winter RF Acct	Evaporation
Date	(cfs)	53	59	(ac-ft)
		(ac-ft)	(ac-ft)	
10/1/2005	13.50	14.78	0.55	0.33
10/2/2005	13.50	14.78	0.55	0.33
10/3/2005	13.50	14.78	0.55	0.63
10/4/2005	13.50	14.78	0.55	0.32
10/5/2005	13.50	14.78	0.55	0.17
10/6/2005	13.50	14.78	0.55	0.32
10/7/2005	13.50	14.78	0.55	0.15
10/8/2005	13.50	14.78	0.55	0.15
10/9/2005	13.50	14.78	0.55	0.15
10/10/2005	13.50	14.78	0.55	0.16
10/11/2005	13.50	14.78	0.55	0.16
10/12/2005	13.50	14.78	0.55	0.14
10/13/2005	13.50	14.78	0.55	0.14
10/14/2005	13.50	14.78	0.55	0.17
10/15/2005	13.50	14.78	0.55	0.17
10/16/2005	13.50	14.78	0.55	0.18
10/17/2005	13.50	14.78	0.55	0.25
10/18/2005	13.50	14.78	0.55	0.22
10/19/2005	13.50	14.78	0.55	0.09
10/20/2005	13.50	14.78	0.55	0.13
10/21/2005	13.50	14.78	0.55	0.15
10/22/2005	13.50	14.78	0.55	0.16
10/23/2005	13.50	14.78	0.55	0.16
10/24/2005	13.50	14.78	0.55	0.12
10/25/2005	13.50	14.78	0.55	0.08
10/26/2005	13.50	14.78	0.55	0.25
10/27/2005	13.50	14.78	0.55	0.2
10/28/2005	13.50	14.78	0.55	0.21
10/29/2005	13.50	14.78	0.55	0.21
10/30/2005	13.50	14.78	0.55	0.2
10/31/2005	13.50	14.78	0.55	0.26

458.18

17.05

End of Month Evap Transfer from Acct 53

6.36

CU factor for October =

55.2%



# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>

November 28, 2005



Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Release of Offset Account Water from John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide an initial accounting for a release of water from the Offset Account in John Martin Reservoir for delivery to the Stateline demanded by the Kansas Chief Engineer in accordance with the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") and the **Stipulation Re Offset Account in John Martin Reservoir** dated March 17, 1997 ("Stipulation") and the **Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping, Determination of Credits for Delivery of Water Released for Colorado Pumping, and Related Matters** ("Agreement") dated September 29, 2005.

Staff for the Kansas Chief Engineer requested a release of water from the Offset Account at an average rate of 250 c.f.s. The release began at approximately 14:00 hours, June 11, 2005 and continued until approximately 24:00 hours, June 21, 2005. The release of Offset Account water was followed immediately by a release of Kansas Section II water and continued until 10:00 hours, July 19, 2005. Transit losses on the release of water from the Offset Account were determined using the procedures described in the Agreement for a combined release.

Enclosure 1 shows the quantities of water that were in the various subaccounts of the Offset Account prior to the initiation of the release, during the release, and following the release of all water from the account. Please note that storage charge water and fully consumable water for use in offsetting depletions to usable Stateline flow was released, as well as the return flow and return flow transit loss water.

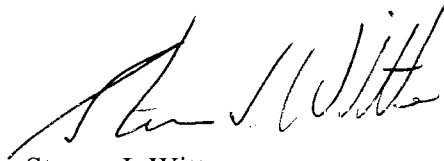
Enclosure 2 shows the credit at the Stateline for the delivery of the fully consumable water released from the Offset Account. The credit was determined in accordance with paragraphs 3A, 3B and 3D of the Agreement and was 2,206.6 acre-feet.

David L. Pope  
November 28, 2005

Page 2

Please contact me if you have any questions or require additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven J. Witte". The signature is fluid and cursive, with the first name "Steven" written in a larger, more prominent script than the last name "Witte".

Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

2 Enclosures

cc: Mark Rude    Kevin Salter    John Draper    Dale Book  
    Hal Simpson    Dennis Montgomery    Carol Angel    Don Higbee    Jim Slattery  
    Dale Straw    Bill Tyner    Monique Morey    Brian Boughton



**Enclosure 1**

**Offset Account Report for June 2005**

OffsetAccount- Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
2506.97							58.45							158.71						
1	51.10	1.06	1.06	0.00	2.67	2555.40	1	21.12	0.00	1.06	0.00	0.06	78.45	1	0.00	0.00	0.00	0.00	0.17	158.54
2	136.26	1.98	1.98	0.00	3.08	2688.58	2	21.12	0.00	1.06	0.00	0.09	98.42	2	0.00	0.00	0.00	0.00	0.19	158.35
3	154.59	2.72	2.72	0.00	3.53	2839.64	3	21.12	0.00	1.06	0.00	0.13	118.35	3	0.00	0.00	0.00	0.00	0.21	158.14
4	154.59	2.72	2.72	0.00	3.70	2990.53	4	21.12	0.00	1.06	0.00	0.15	138.26	4	0.00	0.00	0.00	0.00	0.21	157.93
5	138.86	2.14	2.14	0.00	3.99	3125.40	5	21.12	0.00	1.06	0.00	0.18	158.14	5	0.00	0.00	0.00	0.00	0.21	157.72
6	109.40	0.00	0.00	0.00	6.28	3228.52	6	21.12	0.00	0.00	0.00	0.32	178.94	6	0.00	0.00	0.00	0.00	0.32	157.40
7	109.18	1.06	1.06	0.00	9.20	3328.50	7	21.12	0.00	1.06	0.00	0.51	198.49	7	0.00	0.00	0.00	0.00	0.45	156.95
8	51.91	1.06	1.06	0.00	6.08	3374.33	8	21.12	0.00	1.06	0.00	0.36	218.19	8	0.00	0.00	0.00	0.00	0.29	156.66
9	48.74	1.06	1.06	0.00	5.09	3417.98	9	21.12	0.00	1.06	0.00	0.33	237.92	9	0.00	0.00	0.00	0.00	0.24	156.42
10	48.44	1.06	1.06	0.00	2.83	3463.59	10	21.12	0.00	1.06	0.00	0.20	257.78	10	0.00	0.00	0.00	0.00	0.13	156.29
11	27.38	0.00	0.00	289.26	2.86	3198.85	11	0.00	0.00	0.00	0.00	0.21	257.57	11	0.00	0.00	0.00	156.16	0.13	0.00
12	27.60	0.00	0.00	495.88	2.86	2727.71	12	0.00	0.00	0.00	0.00	0.23	257.34	12	0.00	0.00	0.00	0.00	0.00	0.00
13	27.80	0.00	0.00	495.88	2.66	2256.97	13	0.00	0.00	0.00	0.00	0.25	257.09	13	0.00	0.00	0.00	0.00	0.00	0.00
14	27.79	0.00	0.00	495.88	4.32	1784.56	14	0.00	0.00	0.00	0.00	0.49	256.60	14	0.00	0.00	0.00	0.00	0.00	0.00
15	71.96	1358.74	127.88	495.88	2.06	2589.45	15	0.00	317.42	0.00	0.00	0.30	573.72	15	0.00	126.22	0.00	126.22	0.00	0.00
16	126.69	1.66	1.66	495.88	4.07	2216.19	16	0.00	0.00	0.00	0.00	0.90	572.82	16	0.00	0.00	0.00	0.00	0.00	0.00
17	114.42	1.19	1.19	495.88	3.94	1830.79	17	0.00	0.00	0.00	0.00	1.02	571.80	17	0.00	0.00	0.00	0.00	0.00	0.00
18	49.22	0.79	0.79	495.88	3.29	1380.84	18	0.00	0.00	0.00	0.00	1.03	570.77	18	0.00	0.00	0.00	0.00	0.00	0.00
19	49.25	0.79	0.79	495.88	2.61	931.60	19	0.00	0.00	0.00	0.00	1.08	569.69	19	0.00	0.00	0.00	0.00	0.00	0.00
20	49.24	0.79	0.79	495.88	1.37	483.59	20	0.00	0.00	0.00	495.88	0.84	72.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	49.25	0.79	0.79	495.88	0.99	35.97	21	0.00	0.00	0.00	72.82	0.15	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	49.00	0.79	0.79	0.00	0.09	84.88	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	48.74	0.79	0.79	0.00	0.17	133.45	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	49.10	0.79	0.79	0.00	0.26	182.29	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	49.72	0.79	0.79	0.00	0.35	231.66	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	49.72	0.79	0.79	0.00	0.45	280.93	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	49.89	0.79	0.79	0.00	0.64	330.18	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	49.49	0.79	0.79	0.00	0.79	378.88	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	49.43	0.79	0.79	0.00	0.60	427.71	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	49.32	0.79	0.79	0.00	0.94	476.09	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
2068.08 1386.72 155.86 5248.06 81.77							211.20 317.42 9.54 568.70 8.83							0.00 126.22 0.00 282.38 2.55						

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1305.24							581.45							506.63						
1	51.10	1.06	1.06	0.00	1.39	1354.95	1	29.98	1.06	0.00	0.00	0.62	611.87	1	0.00	0.00	0.00	0.00	0.54	506.09
2	136.26	1.06	1.98	0.00	1.63	1488.66	2	115.14	1.06	0.92	0.00	0.74	726.41	2	0.00	0.00	0.00	0.00	0.61	505.48
3	154.59	1.06	2.72	0.00	1.95	1639.64	3	133.47	1.06	1.66	0.00	0.95	858.33	3	0.00	0.00	0.00	0.00	0.66	504.82
4	154.59	1.06	2.72	0.00	2.14	1790.43	4	133.47	1.06	1.66	0.00	1.12	990.08	4	0.00	0.00	0.00	0.00	0.66	504.16
5	138.86	1.06	2.14	0.00	2.38	1925.83	5	117.74	1.06	1.08	0.00	1.32	1106.48	5	0.00	0.00	0.00	0.00	0.67	503.49
6	109.40	0.00	0.00	0.00	3.87	2031.36	6	88.28	0.00	0.00	0.00	2.22	1192.54	6	0.00	0.00	0.00	0.00	1.01	502.48
7	109.18	1.06	1.06	0.00	5.79	2134.75	7	88.06	1.06	0.00	0.00	3.40	1278.26	7	0.00	0.00	0.00	0.00	1.43	501.05
8	51.91	1.06	1.06	0.00	3.90	2182.76	8	30.79	1.06	0.00	0.00	2.33	1307.78	8	0.00	0.00	0.00	0.00	0.92	500.13
9	48.74	1.06	1.06	0.00	3.29	2228.21	9	27.62	1.06	0.00	0.00	1.97	1334.49	9	0.00	0.00	0.00	0.00	0.75	499.38
10	48.44	1.06	1.06	0.00	1.85	2274.80	10	27.32	1.06	0.00	0.00	1.11	1361.76	10	0.00	0.00	0.00	0.00	0.41	498.97
11	27.38	0.00	0.00	289.26	1.88	2011.04	11	27.38	0.00	0.00	0.00	1.13	1388.01	11	0.00	0.00	0.00	133.10	0.41	365.46
12	27.60	0.00	0.00	365.13	1.80	1671.71	12	27.60	0.00	0.00	0.00	1.24	1414.37	12	0.00	0.00	0.00	365.13	0.33	0.00
13	27.80	0.00	0.00	0.00	1.63	1697.88	13	27.80	0.00	0.00	0.00	1.38	1440.79	13	0.00	0.00	0.00	0.00	0.00	0.00
14	27.79	0.00	0.00	0.00	3.25	1722.42	14	27.79	0.00	0.00	0.00	2.76	1465.82	14	0.00	0.00	0.00	0.00	0.00	0.00
15	71.96	1267.00	127.88	371.09	1.99	2560.43	15	71.96	823.36	127.88	244.87	1.69	1986.71	15	0.00	0.00	0.00	0.00	0.00	0.00
16	126.69	0.00	1.66	495.88	4.02	2185.56	16	126.69	0.00	1.66	495.88	3.12	1612.74	16	0.00	0.00	0.00	0.00	0.00	0.00
17	114.42	0.00	1.19	495.88	3.89	1799.02	17	114.42	0.00	1.19	495.88	2.87	1227.22	17	0.00	0.00	0.00	0.00	0.00	0.00
18	49.22	0.00	0.79	495.88	3.23	1348.34	18	49.22	0.00	0.79	495.88	2.20	777.57	18	0.00	0.00	0.00	0.00	0.00	0.00
19	49.25	0.00	0.79	495.88	2.55	898.37	19	49.25	0.00	0.79	495.88	1.47	328.68	19	0.00	0.00	0.00	0.00	0.00	0.00
20	49.24	0.00	0.79	495.88	1.32	449.62	20	49.24	0.00	0.79	0.00	0.48	376.65	20	0.00	0.00	0.00	0.00	0.00	0.00
21	49.25	0.00	0.79	495.88	0.92	1.28	21	49.25	0.00	0.79	423.06	0.77	1.28	21	0.00	0.00	0.00	0.00	0.00	0.00
22	49.00	0.00	0.79	0.00	0.00	49.49	22	49.00	0.00	0.79	0.00	0.00	49.49	22	0.00	0.00	0.00	0.00	0.00	0.00
23	48.74	0.00	0.79	0.00	0.10	97.34	23	48.74	0.00	0.79	0.00	0.10	97.34	23	0.00	0.00	0.00	0.00	0.00	0.00
24	49.10	0.00	0.79	0.00	0.19	145.46	24	49.10	0.00	0.79	0.00	0.19	145.46	24	0.00	0.00	0.00	0.00	0.00	0.00
25	49.72	0.00	0.79	0.00	0.28	194.11	25	49.72	0.00	0.79	0.00	0.28	194.11	25	0.00	0.00	0.00	0.00	0.00	0.00
26	49.72	0.00	0.79	0.00	0.38	242.66	26	49.72	0.00	0.79	0.00	0.38	242.66	26	0.00	0.00	0.00	0.00	0.00	0.00
27	49.89	0.00	0.79	0.00	0.55	291.21	27	49.89	0.00	0.79	0.00	0.55	291.21	27	0.00	0.00	0.00	0.00	0.00	0.00
28	49.49	0.00	0.79	0.00	0.70	339.21	28	49.49	0.00	0.79	0.00	0.70	339.21</							

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1201.73							233.77
1	0.00	0.00	0.00	0.00	1.28	1200.45	1	0.00	0.00	0.00	0.00	0.25	233.52
2	0.00	0.92	0.00	0.00	1.45	1199.92	2	0.00	0.00	0.00	0.00	0.28	233.24
3	0.00	1.66	0.00	0.00	1.58	1200.00	3	0.00	0.00	0.00	0.00	0.31	232.93
4	0.00	1.66	0.00	0.00	1.56	1200.10	4	0.00	0.00	0.00	0.00	0.30	232.63
5	0.00	1.08	0.00	0.00	1.61	1199.57	5	0.00	0.00	0.00	0.00	0.31	232.32
6	0.00	0.00	0.00	0.00	2.41	1197.16	6	0.00	0.00	0.00	0.00	0.47	231.85
7	0.00	0.00	0.00	0.00	3.41	1193.75	7	0.00	0.00	0.00	0.00	0.66	231.19
8	0.00	0.00	0.00	0.00	2.18	1191.57	8	0.00	0.00	0.00	0.00	0.42	230.77
9	0.00	0.00	0.00	0.00	1.80	1189.77	9	0.00	0.00	0.00	0.00	0.35	230.42
10	0.00	0.00	0.00	0.00	0.98	1188.79	10	0.00	0.00	0.00	0.00	0.19	230.23
11	0.00	0.00	0.00	0.00	0.98	1187.81	11	0.00	0.00	0.00	0.00	0.19	230.04
12	0.00	0.00	0.00	130.75	1.06	1056.00	12	0.00	0.00	0.00	0.00	0.21	229.83
13	0.00	0.00	0.00	495.88	1.03	559.09	13	0.00	0.00	0.00	0.00	0.22	229.61
14	0.00	0.00	0.00	495.88	1.07	62.14	14	0.00	0.00	0.00	194.42	0.44	34.75
15	0.00	91.74	0.00	124.79	0.07	29.02	15	0.00	18.08	0.00	52.79	0.04	0.00
16	0.00	1.66	0.00	0.00	0.05	30.63	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	1.19	0.00	0.00	0.05	31.77	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.79	0.00	0.00	0.06	32.50	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.79	0.00	0.00	0.06	33.23	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.79	0.00	0.00	0.05	33.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.79	0.00	0.00	0.07	34.69	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.79	0.00	0.00	0.09	35.39	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.79	0.00	0.00	0.07	36.11	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.79	0.00	0.00	0.07	36.83	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.79	0.00	0.00	0.07	37.55	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.79	0.00	0.00	0.07	38.27	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.79	0.00	0.00	0.09	38.97	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.79	0.00	0.00	0.09	39.67	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.79	0.00	0.00	0.06	40.40	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.79	0.00	0.00	0.09	41.10	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	110.18	0.00	1247.30	23.51			0.00	18.08	0.00	247.22	4.64	

## OffsetAccount-ReturnFlow

## Return Flow

## OffsetAccount-ReturnFlow

## Keesee Winter

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						945.37							22.59
1	0.00	0.00	0.00	0.00	1.01	944.36	1	0.00	0.00	0.00	0.00	0.02	22.57
2	0.00	0.00	0.00	0.00	1.14	943.22	2	0.00	0.92	0.00	0.00	0.03	23.46
3	0.00	0.00	0.00	0.00	1.24	941.98	3	0.00	1.66	0.00	0.00	0.03	25.09
4	0.00	0.00	0.00	0.00	1.23	940.75	4	0.00	1.66	0.00	0.00	0.03	26.72
5	0.00	0.00	0.00	0.00	1.26	939.49	5	0.00	1.08	0.00	0.00	0.04	27.76
6	0.00	0.00	0.00	0.00	1.88	937.61	6	0.00	0.00	0.00	0.00	0.06	27.70
7	0.00	0.00	0.00	0.00	2.67	934.94	7	0.00	0.00	0.00	0.00	0.08	27.62
8	0.00	0.00	0.00	0.00	1.71	933.23	8	0.00	0.00	0.00	0.00	0.05	27.57
9	0.00	0.00	0.00	0.00	1.41	931.82	9	0.00	0.00	0.00	0.00	0.04	27.53
10	0.00	0.00	0.00	0.00	0.77	931.05	10	0.00	0.00	0.00	0.00	0.02	27.51
11	0.00	0.00	0.00	0.00	0.77	930.28	11	0.00	0.00	0.00	0.00	0.02	27.49
12	0.00	0.00	0.00	130.75	0.83	798.70	12	0.00	0.00	0.00	0.00	0.02	27.47
13	0.00	0.00	0.00	495.88	0.78	302.04	13	0.00	0.00	0.00	0.00	0.03	27.44
14	0.00	0.00	0.00	301.46	0.58	0.00	14	0.00	0.00	0.00	0.00	0.05	27.39
15	0.00	72.00	0.00	72.00	0.00	0.00	15	0.00	1.66	0.00	0.00	0.03	29.02
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	1.66	0.00	0.00	0.05	30.63
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	1.19	0.00	0.00	0.05	31.77
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.79	0.00	0.00	0.06	32.50
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.79	0.00	0.00	0.06	33.23
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.79	0.00	0.00	0.05	33.97
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.79	0.00	0.00	0.07	34.69
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.79	0.00	0.00	0.09	35.39
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.79	0.00	0.00	0.07	36.11
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.79	0.00	0.00	0.07	36.83
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.79	0.00	0.00	0.07	37.55
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.79	0.00	0.00	0.07	38.27
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.79	0.00	0.00	0.09	38.97
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.79	0.00	0.00	0.09	39.67
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.79	0.00	0.00	0.06	40.40
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.79	0.00	0.00	0.09	41.10
	0.00	72.00	0.00	1000.09	17.28			0.00	20.10	0.00	0.00	1.59	

**Enclosure 2**

**Transit Loss Computation and Summary  
for  
Determination of Credits to Offset Depletions to Stateline Flows**

**Combined Offset-Section II Release  
June-July 2005  
(Input Data)**

Type of Release	C	Start Time	2:00 PM	Rate	250	Did any other release occur within ten days prior to this	No				
Release Start Date	6/11/2005	Offset Release Start Date	6/11/2005			If yes, enter Antecedent Flow from Prior Release >	0				
Release End Date	7/19/2005	Offset Release End Date	6/21/2005			If yes, enter Granada Antecedent Flow from Prior Release >	0				
Ending Hour	10:00 AM										
Date	Gage Data					Release Amounts					
	Stateline Flow Data		Intermediate Gage Data			Offset Account		Total Offset Account	Kansas Section II	Transit Loss	Total
	Coolidge (cfs)	Frontier (cfs)	Below JMF (cfs)	Lamar (cfs)	Granada (cfs)	Consumable (af)	All Other (af)	(af)	(af)	(af)	
5/23/2005	204.5	26.2	836.9	272.8	225.4			0.0		0.0	
5/24/2005	218.3	26.1	894.2	267.2	243.5			0.0		0.0	
5/25/2005	553.4	26.4	795.5	286.8	395.3			0.0		0.0	
5/26/2005	410.0	27.0	779.7	37.0	283.2			0.0		0.0	
5/27/2005	272.7	26.7	866.2	16.8	142.7			0.0		0.0	
5/28/2005	214.1	26.7	857.2	21.5	124.5			0.0		0.0	
5/29/2005	230.1	26.5	858.4	108.7	138.2			0.0		0.0	
5/30/2005	231.1	26.3	825.9	70.9	157.6			0.0		0.0	
5/31/2005	447.4	19.9	624.5	391.6	381.8			0.0		0.0	
6/1/2005	550.5	0.2	425.9	51.6	409.4			0.0		0.0	
6/2/2005	373.2	0.0	401.1	18.1	151.1			0.0		0.0	
6/3/2005	269.2	0.0	555.4	14.1	106.4			0.0		0.0	
6/4/2005	223.0	0.0	806.7	144.7	97.5			0.0		0.0	
6/5/2005	233.9	0.0	629.2	181.7	201.6			0.0		0.0	
6/6/2005	310.0	0.0	493.2	22.7	184.8			0.0		0.0	
6/7/2005	275.8	0.0	499.9	17.9	108.8			0.0		0.0	
6/8/2005	201.8	0.0	511.2	17.2	84.9			0.0		0.0	
6/9/2005	169.4	0.0	469.5	16.0	65.7			0.0		0.0	
6/10/2005	157.3	0.0	444.1	14.5	76.2			0.0		0.0	
6/11/2005	332.1	0.0	588.3	72.8	109.4		289.3	289.3		289.3	
6/12/2005	207.4	0.0	692.5	237.4	135.8	286.9	209.0	495.9		495.9	
6/13/2005	247.7	0.0	691.1	250.7	225.5	495.9		495.9		495.9	
6/14/2005	325.8	0.0	773.7	257.5	272.0	495.9		495.9		495.9	
6/15/2005	321.5	0.0	957.4	302.7	342.6	495.9		495.9		495.9	
6/16/2005	324.7	0.0	1001.9	459.1	439.9	495.9		495.9		495.9	
6/17/2005	400.9	0.0	835.2	394.1	540.4	495.9		495.9		495.9	
6/18/2005	425.7	0.0	687.4	259.8	460.6	495.9		495.9		495.9	
6/19/2005	346.0	0.0	670.8	257.8	344.1	240.3	255.5	495.9		495.9	
6/20/2005	304.9	0.0	669.0	250.5	297.8		495.9	495.9		495.9	
6/21/2005	277.3	9.3	665.1	248.9	259.5		495.9	495.9		495.9	
6/22/2005	241.4	24.7	1026.9	451.2	255.2			0.0	1130.6	87.3 1217.9	
6/23/2005	268.4	24.0	1069.5	641.5	528.8			0.0	1130.6	87.3 1217.9	
6/24/2005	398.9	23.5	1096.1	657.6	623.8			0.0	1130.6	87.3 1217.9	
6/25/2005	459.1	23.5	1088.1	597.8	646.7			0.0	1130.4	87.3 1217.7	
6/26/2005	527.1	23.4	1077.7	609.9	710.8			0.0	1130.4	87.3 1217.7	
6/27/2005	568.1	23.4	1069.8	605.1	727.6			0.0	1130.4	1130.4	
6/28/2005	570.7	23.7	1064.5	588.5	686.9			0.0	1130.4	1130.4	
6/29/2005	550.9	23.9	1053.9	607.9	654.9			0.0	1130.4	1130.4	
6/30/2005	547.7	24.0	1047.2	604.4	823.3			0.0	1130.4	1130.4	
7/1/2005	550.0	25.5	1054.9	656.9	832.3			0.0	1130.4	1130.4	
7/2/2005	587.3	29.1	1060.2	644.4	963.5			0.0	1130.4	1130.4	
7/3/2005	599.1	33.1	1047.9	616.4	1041.3			0.0	1130.4	1130.4	
7/4/2005	585.9	33.1	1036.5	609.7	1073.3			0.0	1130.4	1130.4	
7/5/2005	615.8	33.7	1039.1	605.1	789.8			0.0	1130.4	1130.4	
7/6/2005	629.6	33.1	1035.4	602.8	613.2			0.0	1130.4	1130.4	
7/7/2005	568.7	32.3	1042.0	589.4	622.0			0.0	1130.4	1130.4	
7/8/2005	576.3	17.7	1055.4	573.6	619.1			0.0	1130.4	1130.4	
7/9/2005	548.1	25.9	1048.8	568.0	626.6			0.0	1130.4	1130.4	
7/10/2005	539.8	26.1	1042.1	581.0	610.8			0.0	1130.4	1130.4	
7/11/2005	563.5	26.2	1027.2	591.6	611.5			0.0	1130.4	1130.4	
7/12/2005	562.3	26.1	1009.7	621.6	629.9			0.0	1130.4	1130.4	
7/13/2005	574.7	26.6	1004.2	621.7	607.6			0.0	1130.4	1130.4	
7/14/2005	568.5	28.7	997.3	613.0	533.8			0.0	1130.4	1130.4	
7/15/2005	545.4	28.8	991.1	604.2	572.4			0.0	1130.4	1130.4	
7/16/2005	526.9	31.3	978.7	590.7	568.8			0.0	1130.4	1130.4	

**Combined Offset-Section II Release  
June-July 2005  
(Input Data)**

Date	Gage Data					Release Amounts					
	Stateline Flow Data		Intermediate Gage Data			Offset Account		Total Offset Account	Kansas Section II	Transit Loss	Total
	Coolidge (cfs)	Frontier (cfs)	Below JMF (cfs)	Lamar (cfs)	Granada (cfs)	Consumable (af)	All Other (af)				
7/17/2005	512.4	31.5	968.0	576.7	554.8			0.0	1130.4		1130.4
7/18/2005	501.9	31.4	981.5	575.5	531.6			0.0	1130.4	28.9	1159.3
7/19/2005	493.9	31.8	623.0	552.3	555.1			0.0	470.2	16.5	486.7
7/20/2005	484.1	31.3	108.0	177.6	382.3			0.0			0.0
7/21/2005	310.9	31.2	169.1	91.5	152.5			0.0			0.0
7/22/2005	210.8	30.5	232.2	49.7	82.0			0.0			0.0
7/23/2005	160.5	31.2	231.7	44.3	59.4			0.0			0.0
7/24/2005	129.0	31.6	163.0	41.8	58.6			0.0			0.0
7/25/2005	112.3	32.3	86.3	49.1	58.3			0.0			0.0
7/26/2005	96.4	32.1	55.2	39.9	57.5			0.0			0.0
7/27/2005	84.1	31.8	52.9	28.1	94.0			0.0			0.0
7/28/2005	76.5	29.0	52.6	11.5	52.0			0.0			0.0
7/29/2005	71.8	25.0	52.1	11.0	40.3			0.0			0.0
7/30/2005	66.0	20.2	51.8	10.8	31.1			0.0			0.0
7/31/2005	62.8	16.7	51.4	10.6	23.7			0.0			0.0



## Granada Gage Flow Target Check

Date	Mean Daily Flow below JMR	Mean Daily Flow at Lamar	Mean Daily Flow at Granada	Antecedent Flow Calculations			Target Flow at Granada	Shortage or Excess at Granada
	CFS	CFS	CFS	Below JMR	Lamar	Granada		
				Initial Average=	Initial Average=	Initial Average=	CFS	CFS
7/2/2005	1060	644	964	523.62	49.85	148.64	0	0
7/3/2005	1048	616	1041				0	0
7/4/2005	1036	610	1073				0	0
7/5/2005	1039	605	790				0	0
7/6/2005	1035	603	613				0	0
7/7/2005	1042	589	622				0	0
7/8/2005	1055	574	619				0	0
7/9/2005	1049	568	627				0	0
7/10/2005	1042	581	611				0	0
7/11/2005	1027	592	611				0	0
7/12/2005	1010	622	630				0	0
7/13/2005	1004	622	608				0	0
7/14/2005	997	613	534				0	0
7/15/2005	991	604	572				0	0
7/16/2005	979	591	569				0	0
7/17/2005	968	577	555				0	0
7/18/2005	981	576	532				0	0
7/19/2005	623	552	555				0	0
7/20/2005	108	178	382				0	0
7/21/2005	169	91	152				0	0
7/22/2005	232	50	82				0	0
7/23/2005	232	44	59				0	0
7/24/2005	163	42	59				0	0
7/25/2005	86	49	58				0	0
7/26/2005	55	40	58				0	0
7/27/2005	53	28	94				0	0
7/28/2005	53	12	52				0	0
7/29/2005	52	11	40				0	0
7/30/2005	52	11	31				0	0
7/31/2005	51	11	24				0	0



# Granada Gage Flow Target Check

Date	Mean Daily Flow below JMR	Mean Daily Flow at Lamar	Mean Daily Flow at Granada	Target Flow at Granada	Shortage or Excess at Granada
	CFS	CFS	CFS	CFS	CFS
	Initial Average=	Initial Average=	Initial Average=	Initial Average=	
	523.62	49.85	148.64	3329	108
				10	215
				147	
				0	
				100.0%	

### Antecedent Flow Calculations

<b>Below JMR</b>	<b>Granada</b>
Initial Average=	Initial Average=
523.62	148.64

Number of Target Days = 10  
 Expected T-Loss = 147  
 Actual T-Loss = 0  
 T - Loss Ratio = 100.0%

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Summary of Key Information for Offset - Section II Delivery June - July 2005

11/25/2005

Date	Flow Data				Release Data				Muskingum routing				Antecedent Flow Calculations		Delivery Calculations	
	Mean Daily Sateline (SL) Flow	Mean Daily Sateline (SL) Flow	SL flow less antecedent flow	403.1	Offset Consumable Release	Offset Non-Consumable Release	Section 2 Release	Transit Loss Release	Total Release	Total Release Times 1.05	Routed release	Routed release lagged one day	Initial Average	504.93	Steline Delivery Hydrograph	Equivalent Steline Flow Hydrograph
	CFS	AF	AF		AF	AF	AF	AF	AF	AF	AF	AF			AF	AF
5/23/2005	231	458	0	0	0	0	0	0	0	0	0	0			0	0
5/24/2005	244	485	0	0	0	0	0	0	0	0	0	0			0	0
5/25/2005	580	1150	0	0	0	0	0	0	0	0	0	0			0	0
5/26/2005	437	867	0	0	0	0	0	0	0	0	0	0			0	0
5/27/2005	299	594	0	0	0	0	0	0	0	0	0	0			0	0
5/28/2005	241	478	0	0	0	0	0	0	0	0	0	0			0	0
5/29/2005	257	509	0	0	0	0	0	0	0	0	0	0			0	0
5/30/2005	257	510	0	0	0	0	0	0	0	0	0	0			0	0
5/31/2005	467	927	0	0	0	0	0	0	0	0	0	0			0	0
6/1/2005	551	1092	0	0	0	0	0	0	0	0	0	0			0	0
6/2/2005	373	740	0	0	0	0	0	0	0	0	0	0			0	0
6/3/2005	269	534	0	0	0	0	0	0	0	0	0	0			0	0
6/4/2005	223	442	0	0	0	0	0	0	0	0	0	0			0	0
6/5/2005	234	464	0	0	0	0	0	0	0	0	0	0			0	0
6/6/2005	310	615	0	0	0	0	0	0	0	0	0	0			0	0
6/7/2005	276	547	0	0	0	0	0	0	0	0	0	0			0	0
6/8/2005	202	400	0	0	0	0	0	0	0	0	0	0			0	0
6/9/2005	169	336	0	0	0	0	0	0	0	0	0	0			0	0
6/10/2005	157	312	0	0	0	0	0	0	0	0	0	0			0	0
6/11/2005	332	659	256	0	289	0	0	289	304	14	0	0			0	0
6/12/2005	207	411	8	0	209	0	0	496	521	135	14	0			0	0
6/13/2005	248	491	88	0	496	0	0	496	521	282	135	0			8	14
6/14/2005	326	646	243	0	496	0	0	496	521	373	282	0			88	135
6/15/2005	321	638	235	0	496	0	0	496	521	429	373	0			243	282
6/16/2005	325	644	241	0	496	0	0	496	521	464	429	0			235	282
6/17/2005	401	795	392	0	496	0	0	496	521	486	464	0			392	429
6/18/2005	426	844	411	0	496	0	0	496	521	499	486	0			441	486
6/19/2005	346	686	283	0	240	0	0	496	521	507	499	0			283	499
6/20/2005	305	605	202	0	496	0	0	496	521	512	507	0			202	507
6/21/2005	287	569	166	0	496	0	0	496	521	516	512	0			166	512
6/22/2005	266	528	123	0	496	0	0	496	521	516	512	0			123	512
6/23/2005	292	580	177	0	1131	0	87	1131	1187	549	516	0			177	549
6/24/2005	422	838	435	0	1131	0	87	1131	1187	792	549	0			435	792
6/25/2005	483	957	554	0	1130	0	87	1130	1187	1036	792	0			554	1036
6/26/2005	550	1092	699	0	1092	0	87	1130	1187	1093	1036	0			699	1036
6/27/2005	592	1173	770	0	1130	0	1130	1130	1187	1129	1093	0			770	1093
6/28/2005	594	1179	776	0	1130	0	1130	1130	1187	1151	1129	0			776	1129
6/29/2005	575	1140	737	0	1130	0	1130	1130	1187	1165	1151	0			737	1140
7/1/2005	572	1134	731	0	1130	0	1130	1130	1187	1173	1165	0			731	1134
7/2/2005	575	1141	738	0	1130	0	1130	1130	1187	1178	1173	0			738	1141
7/3/2005	616	1223	820	0	1130	0	1130	1130	1187	1182	1178	0			820	1178
7/4/2005	632	1254	851	0	1130	0	1130	1130	1187	1184	1182	0			851	1182
7/5/2005	619	1228	825	0	1130	0	1130	1130	1187	1185	1184	0			825	1184
7/6/2005	650	1288	885	0	1130	0	1130	1130	1187	1185	1185	0			885	1185
7/7/2005	663	1315	911	0	1130	0	1130	1130	1187	1186	1186	0			911	1186
7/8/2005	601	1192	789	0	1130	0	1130	1130	1187	1186	1186	0			789	1186
7/9/2005	594	1178	775	0	1130	0	1130	1130	1187	1187	1186	0			775	1178
7/10/2005	574	1139	736	0	1130	0	1130	1130	1187	1187	1187	0			736	1139
7/11/2005	566	1122	719	0	1130	0	1130	1130	1187	1187	1187	0			719	1122
7/12/2005	590	1170	766	0	1130	0	1130	1130	1187	1187	1187	0			766	1170
7/13/2005	588	1167	764	0	1130	0	1130	1130	1187	1187	1187	0			764	1167
7/14/2005	601	1193	790	0	1130	0	1130	1130	1187	1187	1187	0			790	1187
7/15/2005	597	1184	781	0	1130	0	1130	1130	1187	1187	1187	0			781	1184
7/16/2005	574	1139	736	0	1130	0	1130	1130	1187	1187	1187	0			736	1139
7/17/2005	568	1107	704	0	1130	0	1130	1130	1187	1187	1187	0			704	1107
7/18/2005	544	1079	676	0	1130	0	1130	1130	1187	1187	1187	0			676	1079
7/19/2005	533	1058	655	0	1130	0	1130	1130	1187	1187	1187	0			655	1058
7/20/2005	526	1043	640	0	470	0	470	470	494	1154	1187	0			640	1043
7/21/2005	515	1022	619	0	0	0	0	0	879	1154	1154	0			619	1022

Paragraph 3.b.iii check  
Average for prior days 11-20 706.93  
Is value twice the computed Antecedent Flow Value? No  
Muskingum Day 6 = #N/A  
Para. 3.b.iii AF Value #N/A

Antecedent Flow Calculations  
Initial Average= 504.93  
Adjusted Average 433.63 3035.44 7.00  
NO 1  
YES 5  
YES 7  
YES 6  
NO 3  
YES 4  
YES 8  
YES 9  
YES 10  
NO 2  
Adjusted Average 433.63 3035.44 7.00  
NO 88  
NO 243  
YES 235  
YES 241  
NO 392  
NO 441  
YES 283  
YES 202  
YES 166  
NO 125  
Adjusted Average 390.89 1954.43 5.00  
Final Baseflow 197.07 5.00  
Computations for < 6 days  
Enter date of 6th day 6/5/2005 463.88  
Enter date of 5th day 770  
Enter date of 4th day 776  
Average with 6 days 403.05

Steline Delivery Hydrograph AF  
Equivalent Steline Flow Hydrograph AF

Summary of Key Information for Offset - Section II Delivery June - July 2005

11/25/2005

Date	Flow Data			Release Data			Muskingum routing			Antecedent Flow Calculations		Delivery Calculations	
	Mean Daily Stateline (SL) Flow	Mean Daily Stateline (SL) Flow less antecedent flow	CFS	Offset Consumable Release	Offset Non-Consumable Release	Section 2 Release	Transit Loss Release	Total Release	Total Release Times 1.05	Routed release	Routed release lagged one day	Stateine Delivery Hydrograph	Equivalent Stateine Flow Hydrograph
7/21/2005	342	679	AF	0	0	0	0	0	0	0	0	276	AF
7/22/2005	241	479	76	0	0	0	0	0	0	0	0	76	479
7/23/2005	192	380	0	0	0	0	0	0	0	0	0	0	337
7/24/2005	161	318	0	0	0	0	0	0	0	0	0	0	208
7/25/2005	145	287	0	0	0	0	0	0	0	0	0	0	129
7/26/2005	128	255	0	0	0	0	0	0	0	0	0	0	0
7/27/2005	116	230	0	0	0	0	0	0	0	0	0	0	0
7/28/2005	106	209	0	0	0	0	0	0	0	0	0	0	0
7/29/2005	97	192	0	0	0	0	0	0	0	0	0	0	0
7/30/2005	86	171	0	0	0	0	0	0	0	0	0	0	0
7/31/2005	79	158	0	0	0	0	0	0	0	0	0	0	0
Antecedent Flow Calculations										Initial Average=		504.93	

Summary of Key Information for Offset - Section II Delivery June - July 2005

11/25/2005

Date	Flow Data		Release Data		Muskingum routing		Antecedent Flow Calculations		Delivery Calculations			
	Mean Daily StateLine (SL) Flow	SL flow less antecedent flow	Offset Consumable Release	Offset Non-Consumable Release	Section 2 Release	Transit Loss Release	Total Release	Total Release Times 1.05	Routed release	Routed release, lagged one day	StateLine Delivery Hydrograph	Equivalent StateLine Flow Hydrograph
	CFS	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF
		403.1										
	Totals		3503	1746	30991	482	36239	38051	37842	37842	22824	36701
<p><b>Antecedent Flow Calculations</b> Initial Average = 504.93</p>												
<p><b>Delivery Calculations</b> Offset Delivery Efficiency = 63.0%</p>												
<p>Offset Net Delivery = 3305</p>												
<p>Offset Consumable Delivery = 2206</p>												
<p>ESF Delivery Efficiency = 101.3%</p>												
<p>Section II Delivery = 30991</p>												
<p>Section II Delivery Transit Loss = 0</p>												

Muskingum Derivation of factors			
K (hr) =	60	c0 =	0.048
X =	0.15	c1 =	0.333
t (hr) =	24	c2 =	0.619
		c0+c1+c2 =	1.00

K t ratio check			
2Kx <	18	t	< 2K(1-x)
		24	102

Total Offset =	
Transit Loss on Consumable =	5248
Granada Transit Loss Credit Percentage =	1297
Transit Loss Model Input JMR to Lamar =	100.0%
Transit Loss Model Input Lamar to Granada =	173
Transit Loss Model Input Lamar to StateLine =	495
Total Transit Loss Model Input =	305
Total Transit Loss Model Input =	972

TRANSIT LOSS AND TRAVEL TIME  
JMR to Granada  
BASE RELEASE

For Site No.: 12

Release date: 6/11/2005  
 Release time: 14:00:00 (24hr clock)  
 Diversion Mile: 44.4 miles  
 Base Release: 250.00 cfs  
 Type Of Water: C  
 Duration: 10 Days  
 Adjustment for summer release 1

SubReach	Station	Antecedent Streamflow	Reach	Percent transit loss	Projected Elapsed Hours	Projected arrival at Diversion	
						Date	Time
1	ARKJMRCO	464		2.17	10.23	6/11/2005	0:13
2	ARKLAMCO	22		(6.24)*	(22.98)*	6/12/2005	23:12
3	ARKGRACO	99	3>	0.46	1.58	6/12/2005	0:47
4	ARKCOOKS	403					

Subtotal 8.87% (+/-) 34.79(+/-) hrs.

Adjustment factor for base release of 250 cfs = 0.9457  
 Adjustment factor for release duration of 10 day(s) = 1  
 Adjusted transit loss to site number 12 = 8.39 %.

Target at Granada = 229.03  
 Livingston Estimated T-Loss= 8.39%

TRANSIT LOSS AND TRAVEL TIME  
JMR to Stateline  
BASE RELEASE

For Site No.: 15

Release date: 6/11/2005  
 Release time: 14:00:00 (24hr clock)  
 Diversion Mile: 60.8 miles  
 Base Release: 250.00 cfs  
 Type Of Water: C  
 Duration: 10 Days

Adjustment for summer release 1

SubReach	Station	Antecedent Streamflow	Reach	Percent transit loss	Projected Elapsed Hours	Projected arrival at Diversion	
						Date	Time
1	ARKJMRCO	464		2.17	10.23	6/11/2005	0:13
2	ARKLAMCO	22		(6.24)*	(22.98)*	6/12/2005	23:12
3	ARKGRACO	99	3>	3.84	13.31	6/12/2005	12:31
4	ARKCOOKS	403					
Subtotal				12.25% (+/-)	46.52(+/-) hrs.		

Adjustment factor for base release of 250 cfs = 0.9457

Adjustment factor for release duration of 10 day(s) = 1

Adjusted transit loss to site number 15 = 11.58 %.

Target at Stateline = 221.04  
 Livingston Estimated T-Loss= 11.58%  
 JMR to Lamar = 17.7% <Percent of Total  
 Lamar to Granada = 50.9% <Percent of Total  
 Granada to Stateline = 31.3% <Percent of Total

### **Summary of Release**

Release from Kansas Storage Charge subaccount = 498.23 acre-feet

Release from Kansas Consumable Water subaccount = 282.38 acre-feet

Release from Return Flow/Return Flow TL subaccounts = 1,247.30 acre-feet

Release from Colorado Upstream and Downstream Consumable Water subaccounts = 3,220.15 acre-feet

### **Credit for Consumptive Use Water**

$0.63 \times 3,502.53$  (Consumptive Use Water) = 2,206 acre-feet credit





# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>



November 29, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

RE: Notice of Delivery to the Offset Account in John Martin Reservoir – Highland Water Right

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”) of a delivery of water to the Offset Account. This letter provides the monthly reporting of deliveries to the Offset Account from the Lower Arkansas Water Management Association’s (LAWMA) shares of the Highland Irrigation Company first described in my letter of August 25, 1997, which provided the initial notice of the delivery of water from this replacement source. This letter also serves to describe the operations in 2005.

The initial notice for this year’s operations was sent to you and Mike Meyer in the May 7, 2005 initial notice of delivery letter. This report covers the period from the initiation of deliveries in April 2005 through November 1, 2005.

For the entire 2005 season (April-October), LAWMA was again able to eliminate all diversion for irrigation for outstanding shareholders of the Highland Canal down ditch from Wasteway #3.

The basic operation of the measurement technique remained unchanged from recent years.

### Summary

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Highland Canal for 2005.

Beginning in August and continuing through most of October, LAWMA elected to deliver the consumable portion of the Highland water rights to the Kansas Charge subaccount to begin to build the storage charge for use of the Offset Account for 2006. LAWMA will need to provide additional water prior to April 1, 2006 to bring the total content of this subaccount (notwithstanding other Kansas charge water in the subaccount for 2005 operations not called for by Kansas) to 500 acre-feet on April 1, 2006 in order to utilize the Offset Account for 2006-07 plan operations.

The following table summarizes the deliveries of water into the Offset Account during the reporting period.

MONTH	C. U. Water (ac-ft)
April	2112.7
May	926.9
June	1322.4
July	656.3
August	687.9
September	77.7
October	313.7
Total	6097.6

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

1 Enclosure

cc: Mark Rude  
Kevin Salter  
John Draper  
Dale Book  
Hal Simpson  
Dennis Montgomery  
Dale Straw  
Bill Tyner

Enclosure 1

Highland Canal Accounting for 2005

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
April, 2005**

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Computed CU Water to Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
4/2/2005	62.50	59.23	0.05621	55.90	110.87	71.73	3.85	71.73	0.00
4/3/2005	62.50	59.23	0.05729	55.83	110.74	71.65	3.92	71.65	0.00
4/4/2005	62.50	59.23	0.06967	55.10	109.29	70.71	4.77	70.71	0.00
4/5/2005	61.83	58.59	0.04426	56.00	111.07	71.86	3.00	71.86	0.00
4/6/2005	60.68	57.50	0.03074	55.73	110.55	71.52	2.04	71.52	0.00
4/7/2005	59.10	56.00	0.02392	54.66	108.43	70.15	1.55	70.15	0.00
4/8/2005	60.37	57.21	0.02392	55.84	110.76	71.66	1.58	71.66	0.00
4/9/2005	60.50	57.33	0.02392	55.95	110.98	71.81	1.58	71.66	0.15
4/10/2005	60.49	57.32	0.02392	55.95	110.98	71.80	1.58	71.66	0.14
4/11/2005	60.49	57.32	0.02392	55.95	110.98	71.80	1.58	71.80	0.00
4/12/2005	60.49	57.32	0.02392	55.95	110.98	71.80	1.58	72.10	-0.30
4/13/2005	60.49	57.32	0.02607	55.83	110.73	71.64	1.73	71.64	0.00
4/14/2005	60.49	57.32	0.03074	55.56	110.20	71.30	2.03	71.30	0.00
4/15/2005	60.49	57.32	0.02392	55.95	110.98	71.80	1.58	71.80	0.00
4/16/2005	62.50	59.23	0.02392	57.81	114.66	74.19	1.64	74.19	0.00
4/17/2005	62.50	59.23	0.02392	57.81	114.66	74.19	1.64	74.19	0.00
4/18/2005	62.50	59.23	0.02392	57.81	114.66	74.19	1.64	74.19	0.00
4/19/2005	62.50	59.23	0.02392	57.81	114.66	74.19	1.64	74.19	0.00
4/20/2005	62.50	59.23	0.02392	57.81	114.66	74.19	1.64	74.19	0.00
4/21/2005	62.50	59.23	0.02392	57.81	114.66	74.19	1.64	74.19	0.00
4/22/2005	62.50	59.23	0.02392	57.81	114.66	74.19	1.64	74.19	0.00
4/23/2005	62.50	59.23	0.02607	57.68	114.41	74.02	1.78	74.02	0.00
4/24/2005	62.50	59.23	0.02607	57.68	114.41	74.02	1.78	74.01	0.01
4/25/2005	62.50	59.23	0.02607	57.68	114.41	74.02	1.78	74.03	-0.01
4/26/2005	62.50	59.23	0.02607	57.68	114.41	74.02	1.78	74.02	0.00
4/27/2005	62.50	59.23	0.02607	57.68	114.41	74.02	1.78	74.02	0.00
4/28/2005	62.50	59.23	0.02607	57.68	114.41	74.02	1.78	74.02	0.00
4/29/2005	62.50	59.23	0.02607	57.68	114.41	74.02	1.78	74.02	0.00
4/30/2005	62.50	59.23	0.02607	57.68	114.41	74.02	1.78	74.02	0.00
5/1/2005	62.50	59.23	0.02607	57.68	114.41	74.02	1.78	74.02	0.00
						2186.77	59.88	2186.75	0.02
						2112.74		2112.73	0.00

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
May, 2005**

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Amount to CU Water Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
5/2/2005	24.00	22.74	0.03404	21.97	43.57	30.72	0.97	30.74	0.00
5/3/2005	24.00	22.74	0.03404	21.97	43.57	30.72	0.97	30.72	0.00
5/4/2005	24.00	22.74	0.03404	21.97	43.57	30.72	0.97	30.72	0.00
5/5/2005	24.00	22.74	0.03404	21.97	43.57	30.72	0.97	30.72	0.00
5/6/2005	24.00	22.74	0.03404	21.97	43.57	30.72	0.97	30.72	0.00
5/7/2005	24.00	22.74	0.03404	21.97	43.57	30.72	0.97	30.72	0.00
5/8/2005	24.00	22.74	0.03404	21.97	43.57	30.72	0.97	30.72	0.00
5/9/2005	24.00	22.74	0.03289	21.99	43.63	30.76	0.94	30.75	0.01
5/10/2005	24.00	22.74	0.03404	21.97	43.57	30.72	0.97	30.72	0.00
5/11/2005	24.00	22.74	0.03404	21.97	43.57	30.72	0.97	30.72	0.00
5/12/2005	24.00	22.74	0.03404	21.97	43.57	30.72	0.97	30.72	0.00
5/13/2005	24.00	22.74	0.03404	21.97	43.57	30.72	0.97	30.72	0.00
5/14/2005	24.00	22.74	0.03404	21.97	43.57	30.72	0.97	30.72	0.00
5/15/2005	22.90	21.70	0.03404	20.96	41.58	29.31	0.93	29.31	0.00
5/16/2005	22.52	21.34	0.03442	20.61	40.87	28.81	0.92	28.81	0.00
5/17/2005	22.57	21.39	0.03442	20.65	40.96	28.88	0.93	28.88	0.00
5/18/2005	21.41	20.29	0.03650	19.55	38.77	27.33	0.93	27.33	0.00
5/19/2005	20.43	19.36	0.03650	18.65	37.00	26.08	0.89	26.09	-0.01
5/20/2005	22.40	21.23	0.04282	20.32	40.30	28.41	1.14	28.42	-0.01
5/21/2005	20.05	19.00	0.04605	18.12	35.95	25.34	1.10	28.42	-3.08
5/22/2005	20.12	19.07	0.04605	18.19	36.08	25.43	1.10	28.42	-2.99
5/23/2005	20.17	19.11	0.04605	18.23	36.17	25.50	1.11	25.50	0.00
5/24/2005	20.05	19.00	0.04466	18.15	36.00	25.38	1.07	19.31	6.07
5/25/2005	20.18	19.12	0.03748	18.41	36.51	25.74	0.90	25.74	0.00
5/26/2005	20.39	19.32	0.03669	18.61	36.92	26.03	0.89	26.03	0.00
5/27/2005	20.39	19.32	0.03040	18.73	37.16	26.20	0.74	26.20	0.00
5/28/2005	20.39	19.32	0.03040	18.73	37.16	26.20	0.74	26.20	0.00
5/29/2005	20.38	19.31	0.02832	18.77	37.22	26.24	0.69	26.24	0.00
5/30/2005	20.39	19.32	0.02794	18.78	37.25	26.26	0.68	26.26	0.00
5/31/2005	20.39	19.32	0.02794	18.78	37.25	26.26	0.68	26.26	0.00
6/1/2005	22.80	21.61	0.00765	21.44	42.53	29.98	0.21	29.98	0.00
						882.80	28.29	882.81	0.00
						926.84		926.85	0.00

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
June, 2005**

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Computed CU Water to Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
6/2/2005	62.50	59.23	0.00765	58.77	116.57	90.69	0.63	90.70	0.00
6/3/2005	62.50	59.23	0.02392	57.81	114.66	89.21	1.97	89.21	0.00
6/4/2005	62.50	59.23	0.02392	57.81	114.66	89.21	1.97	89.21	0.00
6/5/2005	62.50	59.23	0.02607	57.68	114.41	89.01	2.14	89.01	0.00
6/6/2005	62.50	59.23	0.03404	57.21	113.47	88.28	2.80	88.28	0.00
6/7/2005	62.50	59.23	0.03650	57.06	113.19	88.06	3.00	88.06	0.00
6/8/2005	21.91	20.76	0.03887	19.95	39.58	30.79	1.12	30.79	0.00
6/9/2005	19.73	18.70	0.04282	17.90	35.50	27.62	1.11	27.62	0.00
6/10/2005	19.35	18.34	0.03442	17.70	35.12	27.32	0.88	27.32	0.00
6/11/2005	19.43	18.41	0.03650	17.74	35.19	27.38	0.93	27.38	0.00
6/12/2005	19.65	18.62	0.03956	17.88	35.47	27.60	1.02	27.60	0.00
6/13/2005	19.67	18.64	0.03346	18.02	35.73	27.80	0.87	27.80	0.00
6/14/2005	19.66	18.63	0.03346	18.01	35.72	27.79	0.87	27.79	0.00
6/15/2005	19.60	18.57	0.03346	17.95	35.61	27.70	0.86	27.70	0.00
6/16/2005	58.32	55.26	0.03346	53.41	105.95	82.43	2.57	82.43	0.00
6/17/2005	58.57	55.50	0.03346	53.64	106.40	82.78	2.58	82.78	0.00
6/18/2005	20.20	19.14	0.04358	18.31	36.31	28.25	1.16	28.25	0.00
6/19/2005	20.22	19.16	0.04358	18.33	36.35	28.28	1.16	28.28	0.00
6/20/2005	20.22	19.16	0.04358	18.33	36.35	28.28	1.16	28.27	0.01
6/21/2005	20.22	19.16	0.04358	18.33	36.35	28.28	1.16	28.28	0.00
6/22/2005	20.15	19.09	0.04875	18.16	36.03	28.03	1.29	28.03	0.00
6/23/2005	19.88	18.84	0.04466	18.00	35.70	27.77	1.17	27.77	0.00
6/24/2005	19.90	18.86	0.03346	18.23	36.15	28.13	0.88	28.13	0.00
6/25/2005	20.36	19.29	0.03425	18.63	36.96	28.75	0.92	28.75	0.00
6/26/2005	20.56	19.48	0.04358	18.63	36.96	28.75	1.18	28.75	0.00
6/27/2005	20.55	19.47	0.03748	18.74	37.18	28.92	1.01	28.92	0.00
6/28/2005	20.39	19.32	0.04358	18.48	36.65	28.52	1.17	28.52	0.00
6/29/2005	20.40	19.33	0.04358	18.49	36.67	28.53	1.17	28.46	0.07
6/30/2005	20.20	19.14	0.03887	18.40	36.49	28.39	1.03	28.35	0.04
7/1/2005	20.33	19.26	0.03669	18.56	36.81	28.64	0.98	28.76	-0.12
						1321.19	40.76	1321.20	0.00
						1322.42			0.00

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
July, 2005**

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Amount to CU Water Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
7/2/2005	20.19	19.13	0.03748	18.42	36.53	29.77	1.04	29.76	0.00
7/3/2005	20.30	19.24	0.03748	18.52	36.73	29.93	1.05	29.93	0.00
7/4/2005	20.44	19.37	0.04265	18.54	36.78	29.98	1.20	29.98	0.00
7/5/2005	20.46	19.39	0.04265	18.56	36.82	30.00	1.20	30.01	-0.01
7/6/2005	15.13	14.34	0.04265	13.73	27.23	22.19	0.89	14.15	8.04
7/7/2005	9.66	9.15	0.04401	8.75	17.36	14.15	0.59	14.15	0.00
7/8/2005	6.54	6.20	0.04401	5.92	11.75	9.58	0.40	9.58	0.00
7/9/2005	16.48	15.62	0.04401	14.93	29.61	24.13	1.00	24.13	0.00
7/10/2005	18.43	17.46	0.05011	16.59	32.90	26.82	1.27	26.82	0.00
7/11/2005	20.11	19.06	0.05011	18.10	35.90	29.26	1.39	29.26	0.00
7/12/2005	19.92	18.88	0.05337	17.87	35.44	28.89	1.47	28.89	0.00
7/13/2005	19.25	18.24	0.05926	17.16	34.04	27.74	1.57	27.74	0.00
7/14/2005	20.69	19.61	0.05058	18.61	36.92	30.09	1.44	31.09	-1.00
7/15/2005	20.54	19.46	0.06597	18.18	36.06	29.39	1.87	31.39	-2.00
7/16/2005	19.64	18.61	0.07512	17.21	34.14	27.83	2.03	29.83	-2.00
7/17/2005	17.16	16.26	0.07512	15.04	29.83	24.31	1.78	26.31	-2.00
7/18/2005	11.96	11.33	0.07512	10.48	20.79	16.94	1.24	21.65	-4.71
7/19/2005	12.78	12.11	0.06597	11.31	22.44	18.29	1.16	14.61	3.68
7/20/2005	15.56	14.74	0.06597	13.77	27.32	22.26	1.42	22.26	0.00
7/21/2005	17.18	16.28	0.06597	15.21	30.16	24.58	1.56	24.58	0.00
7/22/2005	8.99	8.52	0.05790	8.03	15.92	12.97	0.72	15.33	-2.36
7/23/2005	8.78	8.32	0.06597	7.77	15.41	12.56	0.80	12.56	0.00
7/24/2005	8.73	8.27	0.06597	7.73	15.33	12.49	0.79	13.19	-0.70
7/25/2005	8.47	8.03	0.07512	7.42	14.72	12.00	0.88	12.00	0.00
7/26/2005	5.20	4.93	0.07512	4.56	9.04	7.37	0.54	7.37	0.00
7/27/2005	4.82	4.57	0.07512	4.22	8.38	6.83	0.50	6.83	0.00
7/28/2005	5.71	5.41	0.07512	5.00	9.93	8.09	0.59	6.59	1.50
7/29/2005	5.67	5.37	0.07512	4.97	9.86	8.03	0.59	6.48	1.55
7/30/2005	11.77	11.15	0.07512	10.32	20.46	16.68	1.22	16.68	0.00
7/31/2005	24.00	22.74	0.06597	21.24	42.13	34.34	2.18	34.34	0.00
8/1/2005	24.00	22.74	0.06597	21.24	42.13	34.34	2.18	34.33	0.01
						661.82	36.56	661.82	0.00
						656.12		656.25	0.00

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
August, 2005**

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Amount to CU Water Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
8/2/2005	20.63	19.55	0.06597	18.26	36.22	29.95	1.90	34.84	-4.89
8/3/2005	17.29	16.38	0.07512	15.15	30.06	24.86	1.82	23.38	1.48
8/4/2005	15.18	14.38	0.07512	13.30	26.39	21.82	1.60	19.40	2.42
8/5/2005	11.57	10.96	0.08671	10.01	19.86	16.43	1.40	15.44	0.99
8/6/2005	9.19	8.71	0.08671	7.95	15.78	13.05	1.11	13.05	0.00
8/7/2005	9.29	8.80	0.08671	8.04	15.95	13.19	1.13	13.19	0.00
8/8/2005	10.76	10.20	0.08671	9.31	18.47	15.28	1.31	15.27	0.01
8/9/2005	18.81	17.82	0.07512	12.09	23.98	19.83	8.47	19.83	0.00
8/10/2005	19.43	18.41	0.07512	17.03	33.78	27.93	2.04	27.93	0.00
8/11/2005	20.07	19.02	0.07512	17.59	34.89	28.85	2.11	28.85	0.00
8/12/2005	20.28	19.22	0.07512	17.77	35.25	29.16	2.13	29.16	0.00
8/13/2005	21.04	19.94	0.06597	18.62	36.94	30.55	1.94	30.55	0.00
8/14/2005	14.89	14.11	0.05926	13.27	26.33	21.77	1.23	21.77	0.00
8/15/2005	20.27	19.21	0.05926	18.07	35.84	29.64	1.68	29.64	0.00
8/16/2005	23.73	22.49	0.04928	21.38	42.40	35.07	1.64	35.07	0.00
8/17/2005	24.00	22.74	0.05011	21.60	42.85	35.44	1.68	35.44	0.00
8/18/2005	23.42	22.19	0.05337	21.01	41.67	34.46	1.75	34.46	0.00
8/19/2005	20.05	19.00	0.05011	18.05	35.80	29.60	1.41	29.60	0.00
8/20/2005	19.95	18.90	0.05011	17.96	35.62	29.46	1.40	29.46	0.00
8/21/2005	19.87	18.83	0.04466	17.99	35.68	29.51	1.24	29.51	0.00
8/22/2005	19.97	18.92	0.04466	18.08	35.86	29.66	1.25	29.66	0.00
8/23/2005	20.35	19.28	0.05011	18.32	36.33	30.05	1.43	30.04	0.01
8/24/2005	19.85	18.81	0.05011	17.87	35.44	29.31	1.39	30.32	-1.01
8/25/2005	13.18	12.49	0.05011	11.86	23.53	19.46	0.92	19.51	-0.05
8/26/2005	9.03	8.56	0.05011	8.13	16.12	13.33	0.63	12.27	1.06
8/27/2005	6.27	5.94	0.05337	5.62	11.16	9.23	0.47	9.23	0.00
8/28/2005	2.25	2.13	0.05337	2.02	4.00	3.31	0.17	3.31	0.00
8/29/2005	0.28	0.27	0.05926	0.25	0.50	0.41	0.02	0.41	0.00
8/30/2005	0.30	0.28	0.06597	0.27	0.53	0.44	0.03	0.43	0.01
8/31/2005	1.02	0.97	0.07512	0.89	1.77	1.47	0.11	2.59	-1.12
9/1/2005	0.89	0.84	0.08671	0.77	1.53	1.26	0.11	1.26	0.00
						653.75	45.51	654.87	-1.12
						686.83	47.58	687.94	0.00



**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
September, 2005**

Date	In Stream in Priority (cfs)	LAWMA' s Instream (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Computed CU Water to Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
9/2/2005	0.06	0.06	0.08671	0.05	0.10	0.07	0.01	0.00	-1.05
9/3/2005	0.02	0.02	0.08671	0.02	0.03	0.02	0.00	0.00	0.02
9/4/2005	0.01	0.01	0.08671	0.01	0.02	0.01	0.00	0.00	0.01
9/5/2005	0.01	0.01	0.08671	0.01	0.02	0.01	0.00	0.00	0.01
9/6/2005	0.01	0.01	0.08671	0.01	0.02	0.01	0.00	0.00	0.01
9/7/2005	0.01	0.01	0.08671	0.01	0.02	0.01	0.00	0.00	0.01
9/8/2005	0.01	0.01	0.08671	0.01	0.02	0.01	0.00	0.00	0.01
9/9/2005	0.01	0.01	0.08671	0.01	0.02	0.01	0.00	0.00	0.01
9/10/2005	0.02	0.02	0.08671	0.02	0.03	0.02	0.00	0.00	0.02
9/11/2005	17.26	16.36	0.08671	0.72	1.43	1.01	19.68	0.00	1.01
9/12/2005	11.84	11.22	0.08671	10.25	20.32	14.33	1.22	15.06	-0.73
9/13/2005	6.58	6.24	0.08671	5.69	11.30	7.96	0.68	7.31	0.65
9/14/2005	2.81	2.66	0.08671	2.43	4.82	3.40	0.29	3.40	0.00
9/15/2005	0.91	0.86	0.08671	0.79	1.56	1.10	0.09	1.11	-0.01
9/16/2005	0.44	0.42	0.08671	0.38	0.76	0.53	0.05	0.53	0.00
9/17/2005	1.37	1.30	0.08671	1.19	2.35	1.66	0.14	1.66	0.00
9/18/2005	4.30	4.07	0.08671	1.37	2.72	1.92	3.40	1.92	0.00
9/19/2005	4.33	4.10	0.08671	3.75	7.43	5.24	0.45	5.23	0.01
9/20/2005	8.14	7.71	0.08671	4.63	9.18	6.47	3.88	6.48	-0.01
9/21/2005	9.40	8.91	0.08671	8.14	16.14	11.38	0.97	12.79	-1.41
9/22/2005	6.48	6.14	0.08671	5.61	11.12	7.84	0.67	7.28	0.56
9/23/2005	4.30	4.07	0.08671	3.72	7.38	5.20	0.44	4.35	0.85
9/24/2005	3.43	3.25	0.08671	2.97	5.89	4.15	0.35	4.15	0.00
9/25/2005	2.33	2.21	0.08671	2.02	4.00	2.82	0.24	2.82	0.00
9/26/2005	1.05	0.99	0.08671	0.91	1.80	1.27	0.11	1.27	0.00
9/27/2005	0.34	0.32	0.07512	0.30	0.59	0.42	0.03	0.42	0.00
9/28/2005	0.36	0.34	0.07512	0.32	0.63	0.44	0.03	0.44	0.00
9/29/2005	0.09	0.09	0.07512	0.08	0.16	0.11	0.01	0.11	0.00
9/30/2005	0.06	0.06	0.07512	0.05	0.10	0.07	0.01	0.07	0.00
10/1/2005	0.35	0.33	0.07512	0.31	0.61	0.43	0.03	0.43	0.00
						77.95	32.80	76.83	0.00
						78.78	32.88	77.66	0.00

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
October, 2005**

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Amount to CU Water Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
10/2/2005	0.39	0.37	0.08671	0.34	0.67	0.27	0.02	0.27	0.00
10/3/2005	1.65	1.56	0.08671	0.39	0.77	0.31	0.84	0.31	0.00
10/4/2005	1.87	1.77	0.08671	1.62	3.21	1.29	0.11	1.32	-0.03
10/5/2005	1.43	1.36	0.08671	1.24	2.45	0.99	0.08	1.49	-0.50
10/6/2005	0.78	0.74	0.08671	0.68	1.34	0.54	0.05	0.06	0.48
10/7/2005	0.19	0.18	0.08671	0.16	0.33	0.13	0.01	0.08	0.05
10/8/2005	0.31	0.29	0.08671	0.27	0.53	0.21	0.02	0.21	0.00
10/9/2005	0.42	0.40	0.08671	0.36	0.72	0.29	0.02	0.29	0.00
10/10/2005	0.38	0.36	0.08671	0.33	0.65	0.26	0.02	0.26	0.00
10/11/2005	0.13	0.12	0.08671	0.11	0.22	0.09	0.01	0.09	0.00
10/12/2005	0.15	0.14	0.08671	0.13	0.26	0.10	0.01	0.10	0.00
10/13/2005	22.77	21.58	0.06780	20.11	39.90	16.04	1.05	16.04	0.00
10/14/2005	22.90	21.70	0.06052	20.39	40.44	16.26	0.94	16.26	0.00
10/15/2005	22.55	21.37	0.06052	20.08	39.82	16.01	0.93	16.01	0.00
10/16/2005	22.44	21.26	0.06597	19.86	39.40	15.84	1.01	15.84	0.00
10/17/2005	22.44	21.26	0.06597	19.86	39.40	15.84	1.01	15.84	0.00
10/18/2005	22.44	21.26	0.06597	19.86	39.40	15.84	1.01	15.84	0.00
10/19/2005	22.44	21.26	0.06052	19.98	39.63	15.93	0.92	15.93	0.00
10/20/2005	22.44	21.26	0.06052	19.98	39.63	15.93	0.92	15.93	0.00
10/21/2005	22.65	21.46	0.06052	20.16	40.00	16.08	0.93	16.08	0.00
10/22/2005	23.21	21.99	0.06461	20.57	40.81	16.40	1.02	16.40	0.00
10/23/2005	23.21	21.99	0.06597	20.54	40.75	16.38	1.04	16.38	0.00
10/24/2005	23.28	22.06	0.07512	20.40	40.47	16.27	1.19	16.27	0.00
10/25/2005	23.31	22.09	0.06597	20.63	40.92	16.45	1.05	16.45	0.00
10/26/2005	23.31	22.09	0.06597	20.63	40.92	16.45	1.05	16.45	0.00
10/27/2005	23.36	22.14	0.05926	20.82	41.30	16.60	0.94	16.60	0.00
10/28/2005	23.31	22.09	0.05926	20.78	41.22	16.57	0.94	16.57	0.00
10/29/2005	23.36	22.14	0.05926	20.82	41.30	16.60	0.94	16.60	0.00
10/30/2005	23.40	22.17	0.05926	20.86	41.38	16.63	0.94	16.63	0.00
10/31/2005	23.40	22.17	0.05926	20.86	41.38	16.63	0.94	16.63	0.00
11/1/2005	23.33	22.11	0.05926	20.80	41.25	16.58	0.94	16.59	-0.01
						329.82	20.91	329.82	0.00
						313.66		313.66	0.00

## **SECTION 4**

# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

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February 3, 2005



David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
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Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
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Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

RE: Monthly Report of Colorado Pumping and Offset Account Operations for November 2004

Dear Mr. Pope and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of November, 2004.

Table 1 shows the amount of pumping during the month of November 2004 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on none of the days in November. Also

note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on none of the days in November. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

As a result of processing the final hydrographic record for the Highland Canal and Purgatoire River gage below Highland Dam, it was determined that the consumptive use water delivered to the Offset Account from the Highland consumptive use credits was understated by 47.52 acre-feet. On November 22, 2004 the 47.52 acre-feet was transferred into the Offset Account.

As of November 30, 2004, a total of 6425.86 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of November is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc:	Kevin Salter	Robin Jennison	John Draper	Monique Morey
	Randy Hayzlett	Dale Book	David A. Brenn	Carol Angel
	Hal Simpson	Rod Kuharich	Dennis Montgomery	Jim Slattery
	Thomas R. Pointon	James G. Rogers	Dale Straw	Bill Tyner
				Joe Flory

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**November 2004**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	38.55	29.00
2	BOOTH ORCHARD	6.29	4.77
3	EXCELSIOR	1.86	1.39
4	COLLIER	0.00	0.00
5	COLORADO	0.08	0.06
6	ROCKY FORD HIGHLINE	4.69	2.81
7	OXFORD	12.42	4.35
8	OTERO	0.00	0.00
9	CATLIN	206.90	82.55
10	FORT LYON US	75.31	41.86
11	ROCKY FORD	97.35	42.21
12	HOLBROOK	55.66	31.91
13	LAS ANIMAS CONSOLIDATED	1.17	1.05
14	BALDWIN-STUBBS	0.00	0.00
15	FORT BENT	1.14	0.34
16	KEESE	0.00	0.00
17	AMITY	137.53	66.63
18	LAMAR/MANVEL	11.55	3.55
19	HYDE	0.00	0.00
20	FORT LYON DS	87.38	27.84
21	XY GRAHAM	0.00	0.00
22	BUFFALO	7.89	7.89
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	5.12	2.58
600	LAWMA A.P.D.	30.17	9.65
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	<b>Totals</b>	<b>781.06</b>	<b>360.44</b>

**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**November 2004**

USER NUMBER										
15	16	17	18	19	20	21	22	23	24	Total
0	0	19	4	0	18	0	0	0	3	44

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**November 2004**

	REACH NUMBER											Sum	
	11	12	13	14	15	16	17	18	21	21			
Balance Forward from Oct04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remaining Depletion	8.20	23.72	65.45	56.94	32.20	57.66	109.50	198.24	6.90	558.81			
Depletion to Usable SL Flow	2.86	8.28	22.84	19.87	11.24	20.12	38.22	69.19	2.41	195.03			
Replacements													
FRY-ARK Return Flows	0.00	0.00	0.00	0.00									
LAWMA-Lamar Center Farm					0.00								0.00
LAWMA-Ft Bent Ditch Shrs				0.00									0.00
LAWMA-Stubbs Direct Flow								65.00					65.00
LAWMA-XY Direct Flow					442.20								442.20
LAWMA-Manvel Direct Flow					0.00								0.00
Offset Account Release Credit	0.00												0.00
Offset Account Water	0.00												0.00
Total Replacements	0.00	0.00	0.00	0.00	442.20	0.00	0.00	65.00	0.00	507.20			
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

Enclosure 1

John Martin Offset Accounting for November 2004



OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6488.88							0.00							333.07
1	8.37	0.00	0.00	0.00	5.85	6491.40	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.30	332.77
2	0.00	0.00	0.00	0.00	4.25	6487.15	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.22	332.55
3	0.00	0.00	0.00	0.00	4.21	6482.94	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.22	332.33
4	0.00	0.00	0.00	0.00	4.15	6478.79	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.21	332.12
5	0.00	0.00	0.00	0.00	4.12	6474.67	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.21	331.91
6	0.00	0.00	0.00	0.00	4.09	6470.58	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.21	331.70
7	0.00	0.00	0.00	0.00	4.05	6466.53	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.21	331.49
8	0.00	0.00	0.00	0.00	4.03	6462.50	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.21	331.28
9	0.00	0.00	0.00	0.00	3.97	6458.53	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.20	331.08
10	0.00	0.00	0.00	0.00	3.95	6454.58	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.20	330.88
11	0.00	0.00	0.00	0.00	3.91	6450.67	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.20	330.68
12	0.00	0.00	0.00	0.00	3.89	6446.78	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.20	330.48
13	0.00	0.00	0.00	0.00	3.85	6442.93	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.20	330.28
14	0.00	0.00	0.00	0.00	4.14	6438.79	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.21	330.07
15	0.00	0.00	0.00	0.00	4.09	6434.70	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.21	329.86
16	0.00	0.00	0.00	0.00	4.06	6430.64	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.21	329.65
17	0.00	0.00	0.00	0.00	3.96	6426.68	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.20	329.45
18	0.00	0.00	0.00	0.00	4.13	6422.55	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.21	329.24
19	0.00	0.00	0.00	0.00	3.94	6418.61	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.20	329.04
20	0.00	0.00	0.00	0.00	3.83	6414.78	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.20	328.84
21	0.00	0.00	0.00	0.00	3.72	6411.06	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.19	328.65
22	0.00	47.52	0.00	0.00	3.90	6454.68	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.20	328.45
23	0.00	0.00	0.00	0.00	3.85	6450.83	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.20	328.25
24	0.00	0.00	0.00	0.00	3.77	6447.06	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.19	328.06
25	0.00	0.00	0.00	0.00	3.70	6443.36	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.19	327.87
26	0.00	0.00	0.00	0.00	3.61	6439.75	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.18	327.69
27	0.00	0.00	0.00	0.00	3.56	6436.19	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.18	327.51
28	0.00	0.00	0.00	0.00	3.52	6432.67	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.18	327.33
29	0.00	0.00	0.00	0.00	3.43	6429.24	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.17	327.16
30	0.00	10.86	10.86	0.00	3.38	6425.86	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	8.63	0.00	0.00	0.17	335.62
	8.37	58.38	10.86	0.00	118.91			0.00	0.00	0.00	0.00	0.00			0.00	8.63	0.00	0.00	6.08	

OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6146.59							5377.57
1	8.37	0.00	0.00	0.00	5.54	6149.42	1	0.00	0.00	0.00	0.00	4.85	5372.72
2	0.00	0.00	0.00	0.00	4.03	6145.39	2	0.00	0.00	0.00	0.00	3.52	5369.20
3	0.00	0.00	0.00	0.00	3.99	6141.40	3	0.00	0.00	0.00	0.00	3.48	5365.72
4	0.00	0.00	0.00	0.00	3.93	6137.47	4	0.00	0.00	0.00	0.00	3.44	5362.28
5	0.00	0.00	0.00	0.00	3.90	6133.57	5	0.00	0.00	0.00	0.00	3.41	5358.87
6	0.00	0.00	0.00	0.00	3.87	6129.70	6	0.00	0.00	0.00	0.00	3.38	5355.49
7	0.00	0.00	0.00	0.00	3.83	6125.87	7	0.00	0.00	0.00	0.00	3.34	5352.15
8	0.00	0.00	0.00	0.00	3.81	6122.06	8	0.00	0.00	0.00	0.00	3.33	5348.82
9	0.00	0.00	0.00	0.00	3.77	6118.29	9	0.00	0.00	0.00	0.00	3.30	5345.52
10	0.00	0.00	0.00	0.00	3.75	6114.54	10	0.00	0.00	0.00	0.00	3.28	5342.24
11	0.00	0.00	0.00	0.00	3.71	6110.83	11	0.00	0.00	0.00	0.00	3.24	5339.00
12	0.00	0.00	0.00	0.00	3.69	6107.14	12	0.00	0.00	0.00	0.00	3.22	5335.78
13	0.00	0.00	0.00	0.00	3.65	6103.49	13	0.00	0.00	0.00	0.00	3.19	5332.59
14	0.00	0.00	0.00	0.00	3.92	6099.57	14	0.00	0.00	0.00	0.00	3.43	5329.16
15	0.00	0.00	0.00	0.00	3.87	6095.70	15	0.00	0.00	0.00	0.00	3.38	5325.78
16	0.00	0.00	0.00	0.00	3.84	6091.86	16	0.00	0.00	0.00	0.00	3.35	5322.43
17	0.00	0.00	0.00	0.00	3.76	6088.10	17	0.00	0.00	0.00	0.00	3.29	5319.14
18	0.00	0.00	0.00	0.00	3.91	6084.19	18	0.00	0.00	0.00	0.00	3.42	5315.72
19	0.00	0.00	0.00	0.00	3.74	6080.45	19	0.00	0.00	0.00	0.00	3.27	5312.45
20	0.00	0.00	0.00	0.00	3.63	6076.82	20	0.00	0.00	0.00	0.00	3.17	5309.28
21	0.00	0.00	0.00	0.00	3.52	6073.30	21	0.00	0.00	0.00	0.00	3.08	5306.20
22	0.00	47.52	0.00	0.00	3.70	6117.12	22	0.00	47.52	0.00	0.00	3.23	5350.49
23	0.00	0.00	0.00	0.00	3.65	6113.47	23	0.00	0.00	0.00	0.00	3.19	5347.30
24	0.00	0.00	0.00	0.00	3.57	6109.90	24	0.00	0.00	0.00	0.00	3.12	5344.18
25	0.00	0.00	0.00	0.00	3.50	6106.40	25	0.00	0.00	0.00	0.00	3.06	5341.12
26	0.00	0.00	0.00	0.00	3.42	6102.98	26	0.00	0.00	0.00	0.00	2.99	5338.13
27	0.00	0.00	0.00	0.00	3.37	6099.61	27	0.00	0.00	0.00	0.00	2.95	5335.18
28	0.00	0.00	0.00	0.00	3.33	6096.28	28	0.00	0.00	0.00	0.00	2.91	5332.27
29	0.00	0.00	0.00	0.00	3.25	6093.03	29	0.00	0.00	0.00	0.00	2.85	5329.42
30	0.00	8.63	2.23	0.00	3.20	6096.23	30	0.00	0.00	2.23	0.00	2.80	5324.39
	8.37	56.15	2.23	0.00	112.65			0.00	47.52	2.23	0.00	98.47	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						342.29							50.29
1	0.00	0.00	0.00	0.00	0.31	341.98	1	0.00	0.00	0.00	0.00	0.05	50.24
2	0.00	0.00	0.00	0.00	0.22	341.76	2	0.00	0.00	0.00	0.00	0.03	50.21
3	0.00	0.00	0.00	0.00	0.22	341.54	3	0.00	0.00	0.00	0.00	0.03	50.18
4	0.00	0.00	0.00	0.00	0.22	341.32	4	0.00	0.00	0.00	0.00	0.03	50.15
5	0.00	0.00	0.00	0.00	0.22	341.10	5	0.00	0.00	0.00	0.00	0.03	50.12
6	0.00	0.00	0.00	0.00	0.22	340.88	6	0.00	0.00	0.00	0.00	0.03	50.09
7	0.00	0.00	0.00	0.00	0.22	340.66	7	0.00	0.00	0.00	0.00	0.03	50.06
8	0.00	0.00	0.00	0.00	0.22	340.44	8	0.00	0.00	0.00	0.00	0.03	50.03
9	0.00	0.00	0.00	0.00	0.20	340.24	9	0.00	0.00	0.00	0.00	0.03	50.00
10	0.00	0.00	0.00	0.00	0.20	340.04	10	0.00	0.00	0.00	0.00	0.03	49.97
11	0.00	0.00	0.00	0.00	0.20	339.84	11	0.00	0.00	0.00	0.00	0.03	49.94
12	0.00	0.00	0.00	0.00	0.20	339.64	12	0.00	0.00	0.00	0.00	0.03	49.91
13	0.00	0.00	0.00	0.00	0.20	339.44	13	0.00	0.00	0.00	0.00	0.03	49.88
14	0.00	0.00	0.00	0.00	0.22	339.22	14	0.00	0.00	0.00	0.00	0.03	49.85
15	0.00	0.00	0.00	0.00	0.22	339.00	15	0.00	0.00	0.00	0.00	0.03	49.82
16	0.00	0.00	0.00	0.00	0.22	338.78	16	0.00	0.00	0.00	0.00	0.03	49.79
17	0.00	0.00	0.00	0.00	0.20	338.58	17	0.00	0.00	0.00	0.00	0.03	49.76
18	0.00	0.00	0.00	0.00	0.22	338.36	18	0.00	0.00	0.00	0.00	0.03	49.73
19	0.00	0.00	0.00	0.00	0.20	338.16	19	0.00	0.00	0.00	0.00	0.03	49.70
20	0.00	0.00	0.00	0.00	0.20	337.96	20	0.00	0.00	0.00	0.00	0.03	49.67
21	0.00	0.00	0.00	0.00	0.20	337.76	21	0.00	0.00	0.00	0.00	0.03	49.64
22	0.00	0.00	0.00	0.00	0.20	337.56	22	0.00	0.00	0.00	0.00	0.03	49.61
23	0.00	0.00	0.00	0.00	0.20	337.36	23	0.00	0.00	0.00	0.00	0.03	49.58
24	0.00	0.00	0.00	0.00	0.20	337.16	24	0.00	0.00	0.00	0.00	0.03	49.55
25	0.00	0.00	0.00	0.00	0.20	336.96	25	0.00	0.00	0.00	0.00	0.03	49.52
26	0.00	0.00	0.00	0.00	0.19	336.77	26	0.00	0.00	0.00	0.00	0.03	49.49
27	0.00	0.00	0.00	0.00	0.19	336.58	27	0.00	0.00	0.00	0.00	0.03	49.46
28	0.00	0.00	0.00	0.00	0.19	336.39	28	0.00	0.00	0.00	0.00	0.03	49.43
29	0.00	0.00	0.00	0.00	0.18	336.21	29	0.00	0.00	0.00	0.00	0.03	49.40
30	0.00	2.23	8.63	0.00	0.18	329.63	30	0.00	0.00	1.14	0.00	0.03	48.23
	0.00	2.23	8.63	0.00	6.26			0.00	0.00	1.14	0.00	0.92	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						170.45							121.55
1	0.00	0.00	0.00	0.00	0.15	170.30	1	0.00	0.00	0.00	0.00	0.11	121.44
2	0.00	0.00	0.00	0.00	0.11	170.19	2	0.00	0.00	0.00	0.00	0.08	121.36
3	0.00	0.00	0.00	0.00	0.11	170.08	3	0.00	0.00	0.00	0.00	0.08	121.28
4	0.00	0.00	0.00	0.00	0.11	169.97	4	0.00	0.00	0.00	0.00	0.08	121.20
5	0.00	0.00	0.00	0.00	0.11	169.86	5	0.00	0.00	0.00	0.00	0.08	121.12
6	0.00	0.00	0.00	0.00	0.11	169.75	6	0.00	0.00	0.00	0.00	0.08	121.04
7	0.00	0.00	0.00	0.00	0.11	169.64	7	0.00	0.00	0.00	0.00	0.08	120.96
8	0.00	0.00	0.00	0.00	0.11	169.53	8	0.00	0.00	0.00	0.00	0.08	120.88
9	0.00	0.00	0.00	0.00	0.10	169.43	9	0.00	0.00	0.00	0.00	0.07	120.81
10	0.00	0.00	0.00	0.00	0.10	169.33	10	0.00	0.00	0.00	0.00	0.07	120.74
11	0.00	0.00	0.00	0.00	0.10	169.23	11	0.00	0.00	0.00	0.00	0.07	120.67
12	0.00	0.00	0.00	0.00	0.10	169.13	12	0.00	0.00	0.00	0.00	0.07	120.60
13	0.00	0.00	0.00	0.00	0.10	169.03	13	0.00	0.00	0.00	0.00	0.07	120.53
14	0.00	0.00	0.00	0.00	0.11	168.92	14	0.00	0.00	0.00	0.00	0.08	120.45
15	0.00	0.00	0.00	0.00	0.11	168.81	15	0.00	0.00	0.00	0.00	0.08	120.37
16	0.00	0.00	0.00	0.00	0.11	168.70	16	0.00	0.00	0.00	0.00	0.08	120.29
17	0.00	0.00	0.00	0.00	0.10	168.60	17	0.00	0.00	0.00	0.00	0.07	120.22
18	0.00	0.00	0.00	0.00	0.11	168.49	18	0.00	0.00	0.00	0.00	0.08	120.14
19	0.00	0.00	0.00	0.00	0.10	168.39	19	0.00	0.00	0.00	0.00	0.07	120.07
20	0.00	0.00	0.00	0.00	0.10	168.29	20	0.00	0.00	0.00	0.00	0.07	120.00
21	0.00	0.00	0.00	0.00	0.10	168.19	21	0.00	0.00	0.00	0.00	0.07	119.93
22	0.00	0.00	0.00	0.00	0.10	168.09	22	0.00	0.00	0.00	0.00	0.07	119.86
23	0.00	0.00	0.00	0.00	0.10	167.99	23	0.00	0.00	0.00	0.00	0.07	119.79
24	0.00	0.00	0.00	0.00	0.10	167.89	24	0.00	0.00	0.00	0.00	0.07	119.72
25	0.00	0.00	0.00	0.00	0.10	167.79	25	0.00	0.00	0.00	0.00	0.07	119.65
26	0.00	0.00	0.00	0.00	0.09	167.70	26	0.00	0.00	0.00	0.00	0.07	119.58
27	0.00	0.00	0.00	0.00	0.09	167.61	27	0.00	0.00	0.00	0.00	0.07	119.51
28	0.00	0.00	0.00	0.00	0.09	167.52	28	0.00	0.00	0.00	0.00	0.07	119.44
29	0.00	0.00	0.00	0.00	0.09	167.43	29	0.00	0.00	0.00	0.00	0.06	119.38
30	0.00	0.00	7.49	0.00	0.09	159.85	30	0.00	2.23	0.00	0.00	0.06	121.55
	0.00	0.00	7.49	0.00	3.11			0.00	2.23	0.00	0.00	2.23	



# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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February 10, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
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Topeka, KS 66612-1283

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
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Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

RE: Monthly Report of Colorado Pumping and Offset Account Operations for December 2004

Dear Mr. Pope and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of December, 2004.

Table 1 shows the amount of pumping during the month of December 2004 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on none of the days in December. Also

note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on none of the days in December. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

As of December 31, 2004, a total of 6365.80 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of December is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte

Division Engineer

Colorado Division of Water Resources

cc: Kevin Salter                  Robin Jennison                  John Draper                  Monique Morey  
Randy Hayzlett                  Dale Book                  David A. Brenn                  Carol Angel  
Hal Simpson                  Rod Kuharich                  Dennis Montgomery                  Jim Slattery  
Thomas R. Pointon                  James G. Rogers                  Dale Straw                  Bill Tyner                  Joe Flory

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**December 2004**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	18.63	12.88
2	BOOTH ORCHARD	0.26	0.13
3	EXCELSIOR	0.70	0.52
4	COLLIER	0.00	0.00
5	COLORADO	1.02	0.52
6	ROCKY FORD HIGHLINE	5.05	4.65
7	OXFORD	4.01	1.56
8	OTERO	0.00	0.00
9	CATLIN	17.73	9.47
10	FORT LYON US	10.92	7.64
11	ROCKY FORD	6.34	6.34
12	HOLBROOK	0.00	0.00
13	LAS ANIMAS CONSOLIDATED	7.82	3.92
14	BALDWIN-STUBBS	0.00	0.00
15	FORT BENT	0.04	0.01
16	KEESE	0.00	0.00
17	AMITY	107.32	53.67
18	LAMAR/MANVEL	10.10	3.53
19	HYDE	0.00	0.00
20	FORT LYON DS	5.95	1.80
21	XY GRAHAM	0.00	0.00
22	BUFFALO	4.51	4.51
23	SISSON	0.39	0.39
24	STATELINE SOLE SOURCE	0.25	0.19
600	LAWMA A.P.D.	0.00	0.00
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	<b>201.04</b>	<b>111.73</b>



Enclosure 1

John Martin Offset Accounting for December 2004



OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	
						6425.86							0.00								335.62
1	0.00	0.00	0.00	0.00	2.85	6423.01	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.15	6423.01	335.47
2	0.00	0.00	0.00	0.00	2.82	6420.19	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.15	6420.19	335.32
3	0.00	0.00	0.00	0.00	2.79	6417.40	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.15	6417.40	335.17
4	0.00	0.00	0.00	0.00	2.75	6414.65	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.14	6414.65	335.03
5	0.00	0.00	0.00	0.00	2.71	6411.94	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.14	6411.94	334.89
6	0.00	0.00	0.00	0.00	2.68	6409.26	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.14	6409.26	334.75
7	0.00	0.00	0.00	0.00	2.65	6406.61	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.14	6406.61	334.61
8	0.00	0.00	0.00	0.00	2.61	6404.00	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.14	6404.00	334.47
9	0.00	0.00	0.00	0.00	2.79	6401.21	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.15	6401.21	334.32
10	0.00	0.00	0.00	0.00	2.75	6398.46	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.14	6398.46	334.18
11	0.00	0.00	0.00	0.00	2.72	6395.74	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.14	6395.74	334.04
12	0.00	0.00	0.00	0.00	2.69	6393.05	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.14	6393.05	333.90
13	0.00	0.00	0.00	0.00	2.66	6390.39	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.14	6390.39	333.76
14	0.00	0.00	0.00	0.00	2.64	6387.75	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.14	6387.75	333.62
15	0.00	0.00	0.00	0.00	2.60	6385.15	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.14	6385.15	333.48
16	0.00	0.00	0.00	0.00	2.56	6382.59	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.13	6382.59	333.35
17	0.00	0.00	0.00	0.00	2.53	6380.06	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.13	6380.06	333.22
18	0.00	0.00	0.00	0.00	2.51	6377.55	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.13	6377.55	333.09
19	0.00	0.00	0.00	0.00	2.49	6375.06	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.13	6375.06	332.96
20	0.00	0.00	0.00	0.00	2.47	6372.59	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.13	6372.59	332.83
21	0.00	0.00	0.00	0.00	2.63	6369.96	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.14	6369.96	332.69
22	0.00	0.00	0.00	0.00	2.60	6367.36	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.14	6367.36	332.55
23	0.00	0.00	0.00	0.00	0.55	6366.81	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.03	6366.81	332.52
24	0.00	0.00	0.00	0.00	0.17	6366.64	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.01	6366.64	332.51
25	0.00	0.00	0.00	0.00	0.17	6366.47	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.01	6366.47	332.50
26	0.00	0.00	0.00	0.00	0.17	6366.30	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.01	6366.30	332.49
27	0.00	0.00	0.00	0.00	0.17	6366.13	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.01	6366.13	332.48
28	0.00	0.00	0.00	0.00	0.17	6365.96	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.01	6365.96	332.47
29	0.00	0.00	0.00	0.00	0.16	6365.80	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.01	6365.80	332.46
30	0.00	0.00	0.00	0.00	0.00	6365.80	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	6365.80	332.46
31	0.00	7.88	7.88	0.00	0.00	6365.80	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	6.77	0.00	0.00	0.00	6365.80	339.23
	0.00		7.88	0.00	60.06			0.00		0.00	0.00			0.00	6.77	0.00	0.00	0.00	3.16		
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	
						6096.23							5324.39								436.22
1	0.00	0.00	0.00	0.00	2.71	6093.52	1	0.00	0.00	0.00	0.00	2.37	5322.02	1	0.00	0.00	0.00	0.00	0.19	6093.52	436.03
2	0.00	0.00	0.00	0.00	2.68	6090.84	2	0.00	0.00	0.00	0.00	2.34	5319.68	2	0.00	0.00	0.00	0.00	0.19	6090.84	435.84
3	0.00	0.00	0.00	0.00	2.65	6088.19	3	0.00	0.00	0.00	0.00	2.31	5317.37	3	0.00	0.00	0.00	0.00	0.19	6088.19	435.65
4	0.00	0.00	0.00	0.00	2.61	6085.58	4	0.00	0.00	0.00	0.00	2.28	5315.09	4	0.00	0.00	0.00	0.00	0.19	6085.58	435.46
5	0.00	0.00	0.00	0.00	2.57	6083.01	5	0.00	0.00	0.00	0.00	2.25	5312.84	5	0.00	0.00	0.00	0.00	0.18	6083.01	435.28
6	0.00	0.00	0.00	0.00	2.54	6080.47	6	0.00	0.00	0.00	0.00	2.22	5310.62	6	0.00	0.00	0.00	0.00	0.18	6080.47	435.10
7	0.00	0.00	0.00	0.00	2.51	6077.96	7	0.00	0.00	0.00	0.00	2.19	5308.43	7	0.00	0.00	0.00	0.00	0.18	6077.96	434.92
8	0.00	0.00	0.00	0.00	2.48	6075.48	8	0.00	0.00	0.00	0.00	2.16	5306.27	8	0.00	0.00	0.00	0.00	0.18	6075.48	434.74
9	0.00	0.00	0.00	0.00	2.65	6072.83	9	0.00	0.00	0.00	0.00	2.31	5303.96	9	0.00	0.00	0.00	0.00	0.19	6072.83	434.55
10	0.00	0.00	0.00	0.00	2.61	6070.22	10	0.00	0.00	0.00	0.00	2.28	5301.68	10	0.00	0.00	0.00	0.00	0.19	6070.22	434.36
11	0.00	0.00	0.00	0.00	2.58	6067.64	11	0.00	0.00	0.00	0.00	2.26	5299.42	11	0.00	0.00	0.00	0.00	0.18	6067.64	434.18
12	0.00	0.00	0.00	0.00	2.55	6065.09	12	0.00	0.00	0.00	0.00	2.23	5297.19	12	0.00	0.00	0.00	0.00	0.18	6065.09	434.00
13	0.00	0.00	0.00	0.00	2.52	6062.57	13	0.00	0.00	0.00	0.00	2.20	5294.99	13	0.00	0.00	0.00	0.00	0.18	6062.57	433.82
14	0.00	0.00	0.00	0.00	2.50	6060.07	14	0.00	0.00	0.00	0.00	2.18	5292.81	14	0.00	0.00	0.00	0.00	0.18	6060.07	433.64
15	0.00	0.00	0.00	0.00	2.47	6057.60	15	0.00	0.00	0.00	0.00	2.15	5290.66	15	0.00	0.00	0.00	0.00	0.18	6057.60	433.46
16	0.00	0.00	0.00	0.00	2.43	6055.17	16	0.00	0.00	0.00	0.00	2.13	5288.53	16	0.00	0.00	0.00	0.00	0.17	6055.17	433.29
17	0.00	0.00	0.00	0.00	2.40	6052.77	17	0.00	0.00	0.00	0.00	2.10	5286.43	17	0.00	0.00	0.00	0.00	0.17	6052.77	433.12
18	0.00	0.00	0.00	0.00	2.38	6050.39	18	0.00	0.00	0.00	0.00	2.08	5284.35	18	0.00	0.00	0.00	0.00	0.17	6050.39	432.95
19	0.00	0.00	0.00	0.00	2.36	6048.03	19	0.00	0.00	0.00	0.00	2.06	5282.29	19	0.00	0.00	0.00	0.00	0.17	6048.03	432.78
20	0.00	0.00	0.00	0.00	2.34	6045.69	20	0.00	0.00	0.00	0.00	2.04	5280.25	20	0.00	0.00	0.00	0.00	0.17	6045.69	432.61
21	0.00	0.00	0.00	0.00	2.49	6043.20	21	0.00	0.00	0.00	0.00	2.17	5278.08	21	0.00	0.00	0.00	0.00	0.18	6043.20	432.43
22	0.00	0.00	0.00	0.00	2.47	6040.73	22	0.00	0.00	0.00	0.00	2.15	5275.93	22	0.00	0.00	0.00	0.00	0.18	6040.73	432.25
23	0.00	0.00	0.00	0.00	0.53	6040.20	23	0.00	0.00	0.00	0.00	0.46	5275.47	23	0.00	0.00	0.00	0.00	0.04	6040.20	432.21
24	0.00	0.00	0.00	0.00	0.17	6040.03	24	0.00	0.00	0.00	0.00	0.15	5275.32	24	0.00	0.00	0.00	0.00	0.01	6040.03	432.20
25	0.00	0.00	0.00	0.00	0.17	6039.86	25</														

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1	0.00	0.00	0.00	0.00	0.14	329.63	1	0.00	0.00	0.00	0.00	0.02	48.23
2	0.00	0.00	0.00	0.00	0.14	329.49	2	0.00	0.00	0.00	0.00	0.02	48.21
3	0.00	0.00	0.00	0.00	0.14	329.35	3	0.00	0.00	0.00	0.00	0.02	48.19
4	0.00	0.00	0.00	0.00	0.14	329.21	4	0.00	0.00	0.00	0.00	0.02	48.17
5	0.00	0.00	0.00	0.00	0.14	329.07	5	0.00	0.00	0.00	0.00	0.02	48.15
6	0.00	0.00	0.00	0.00	0.14	328.93	6	0.00	0.00	0.00	0.00	0.02	48.13
7	0.00	0.00	0.00	0.00	0.14	328.79	7	0.00	0.00	0.00	0.00	0.02	48.11
8	0.00	0.00	0.00	0.00	0.13	328.65	8	0.00	0.00	0.00	0.00	0.02	48.09
9	0.00	0.00	0.00	0.00	0.14	328.52	9	0.00	0.00	0.00	0.00	0.02	48.07
10	0.00	0.00	0.00	0.00	0.14	328.38	10	0.00	0.00	0.00	0.00	0.02	48.05
11	0.00	0.00	0.00	0.00	0.14	328.24	11	0.00	0.00	0.00	0.00	0.02	48.03
12	0.00	0.00	0.00	0.00	0.14	328.10	12	0.00	0.00	0.00	0.00	0.02	48.01
13	0.00	0.00	0.00	0.00	0.14	327.96	13	0.00	0.00	0.00	0.00	0.02	47.99
14	0.00	0.00	0.00	0.00	0.14	327.82	14	0.00	0.00	0.00	0.00	0.02	47.97
15	0.00	0.00	0.00	0.00	0.13	327.68	15	0.00	0.00	0.00	0.00	0.02	47.95
16	0.00	0.00	0.00	0.00	0.13	327.55	16	0.00	0.00	0.00	0.00	0.02	47.93
17	0.00	0.00	0.00	0.00	0.13	327.42	17	0.00	0.00	0.00	0.00	0.02	47.91
18	0.00	0.00	0.00	0.00	0.13	327.29	18	0.00	0.00	0.00	0.00	0.02	47.89
19	0.00	0.00	0.00	0.00	0.13	327.16	19	0.00	0.00	0.00	0.00	0.02	47.87
20	0.00	0.00	0.00	0.00	0.13	327.03	20	0.00	0.00	0.00	0.00	0.02	47.85
21	0.00	0.00	0.00	0.00	0.13	326.90	21	0.00	0.00	0.00	0.00	0.02	47.83
22	0.00	0.00	0.00	0.00	0.14	326.76	22	0.00	0.00	0.00	0.00	0.02	47.81
23	0.00	0.00	0.00	0.00	0.13	326.63	23	0.00	0.00	0.00	0.00	0.02	47.79
24	0.00	0.00	0.00	0.00	0.02	326.61	24	0.00	0.00	0.00	0.00	0.00	47.79
25	0.00	0.00	0.00	0.00	0.00	326.61	25	0.00	0.00	0.00	0.00	0.00	47.79
26	0.00	0.00	0.00	0.00	0.00	326.61	26	0.00	0.00	0.00	0.00	0.00	47.79
27	0.00	0.00	0.00	0.00	0.00	326.61	27	0.00	0.00	0.00	0.00	0.00	47.79
28	0.00	0.00	0.00	0.00	0.00	326.61	28	0.00	0.00	0.00	0.00	0.00	47.79
29	0.00	0.00	0.00	0.00	0.00	326.61	29	0.00	0.00	0.00	0.00	0.00	47.79
30	0.00	0.00	0.00	0.00	0.00	326.61	30	0.00	0.00	0.00	0.00	0.00	47.79
31	0.00	1.11	6.77	0.00	0.00	320.95	31	0.00	0.00	0.92	0.00	0.00	46.87
0.00 1.11 6.77 0.00 3.02							0.00 0.00 0.92 0.00 0.44						

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1	0.00	0.00	0.00	0.00	0.07	159.85	1	0.00	0.00	0.00	0.00	0.05	121.55
2	0.00	0.00	0.00	0.00	0.07	159.78	2	0.00	0.00	0.00	0.00	0.05	121.50
3	0.00	0.00	0.00	0.00	0.07	159.71	3	0.00	0.00	0.00	0.00	0.05	121.45
4	0.00	0.00	0.00	0.00	0.07	159.64	4	0.00	0.00	0.00	0.00	0.05	121.40
5	0.00	0.00	0.00	0.00	0.07	159.57	5	0.00	0.00	0.00	0.00	0.05	121.35
6	0.00	0.00	0.00	0.00	0.07	159.50	6	0.00	0.00	0.00	0.00	0.05	121.30
7	0.00	0.00	0.00	0.00	0.07	159.43	7	0.00	0.00	0.00	0.00	0.05	121.25
8	0.00	0.00	0.00	0.00	0.06	159.36	8	0.00	0.00	0.00	0.00	0.05	121.20
9	0.00	0.00	0.00	0.00	0.07	159.30	9	0.00	0.00	0.00	0.00	0.05	121.15
10	0.00	0.00	0.00	0.00	0.07	159.23	10	0.00	0.00	0.00	0.00	0.05	121.10
11	0.00	0.00	0.00	0.00	0.07	159.16	11	0.00	0.00	0.00	0.00	0.05	121.05
12	0.00	0.00	0.00	0.00	0.07	159.09	12	0.00	0.00	0.00	0.00	0.05	121.00
13	0.00	0.00	0.00	0.00	0.07	159.02	13	0.00	0.00	0.00	0.00	0.05	120.95
14	0.00	0.00	0.00	0.00	0.07	158.95	14	0.00	0.00	0.00	0.00	0.05	120.90
15	0.00	0.00	0.00	0.00	0.06	158.88	15	0.00	0.00	0.00	0.00	0.05	120.85
16	0.00	0.00	0.00	0.00	0.06	158.82	16	0.00	0.00	0.00	0.00	0.05	120.80
17	0.00	0.00	0.00	0.00	0.06	158.76	17	0.00	0.00	0.00	0.00	0.05	120.75
18	0.00	0.00	0.00	0.00	0.06	158.70	18	0.00	0.00	0.00	0.00	0.05	120.70
19	0.00	0.00	0.00	0.00	0.06	158.64	19	0.00	0.00	0.00	0.00	0.05	120.65
20	0.00	0.00	0.00	0.00	0.06	158.58	20	0.00	0.00	0.00	0.00	0.05	120.60
21	0.00	0.00	0.00	0.00	0.06	158.52	21	0.00	0.00	0.00	0.00	0.05	120.55
22	0.00	0.00	0.00	0.00	0.07	158.45	22	0.00	0.00	0.00	0.00	0.05	120.50
23	0.00	0.00	0.00	0.00	0.06	158.39	23	0.00	0.00	0.00	0.00	0.05	120.45
24	0.00	0.00	0.00	0.00	0.01	158.38	24	0.00	0.00	0.00	0.00	0.01	120.44
25	0.00	0.00	0.00	0.00	0.00	158.38	25	0.00	0.00	0.00	0.00	0.00	120.44
26	0.00	0.00	0.00	0.00	0.00	158.38	26	0.00	0.00	0.00	0.00	0.00	120.44
27	0.00	0.00	0.00	0.00	0.00	158.38	27	0.00	0.00	0.00	0.00	0.00	120.44
28	0.00	0.00	0.00	0.00	0.00	158.38	28	0.00	0.00	0.00	0.00	0.00	120.44
29	0.00	0.00	0.00	0.00	0.00	158.38	29	0.00	0.00	0.00	0.00	0.00	120.44
30	0.00	0.00	0.00	0.00	0.00	158.38	30	0.00	0.00	0.00	0.00	0.00	120.44
31	0.00	0.00	5.85	0.00	0.00	152.53	31	0.00	1.11	0.00	0.00	0.00	121.55
0.00 0.00 5.85 0.00 1.47							0.00 1.11 0.00 0.00 1.11						



# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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<http://water.state.co.us/default.htm>

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

March 11, 2005

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052



Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

RE: Monthly Report of Colorado Pumping and Offset Account Operations for January 2005  
Revisions to Report for December 2004

Dear Mr. Pope and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of January, 2005.

Table 1 shows the amount of pumping during the month of January 2005 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches since

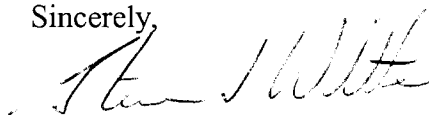
there was a call by a Colorado surface water right in those reaches on none of the days in January. Also note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on none of the days in January. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

A revised accounting Table 3 for December 2004 is included at Enclosure 2. As you can see from the revised Table 3 for December, the deficit to be replaced remained the same, but LAWMA elected to shift the type of replacement water from that previously shown in my February 10, 2005 letter concerning the Offset Account operations for December 2004. As a result of this change, 166.86 acre-feet of fully consumable water will be made available to Kansas 30 days after the date of this notification in order that evaporation be charged as provided for by paragraph 5B of the Resolution. Under those provisions, 166.86 acre-feet will be moved from the Colorado Consumable Water subaccount to the Kansas Consumable Water subaccount of the Offset Account 30 days after the date of this notification letter.

As indicated in Table 3, 134 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. Under those provisions, 134 acre-feet will be moved from the Colorado Consumable Water subaccount to the Kansas Consumable Water subaccount of the Offset Account 30 days after the date of this notification letter in order that evaporation be charged as provided for by paragraph 5B of the Resolution. As of January 31, 2005, a total of 6244.43 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of January is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Kevin Salter                      Robin Jennison                      John Draper                      Monique Morey  
Randy Hayzlett                      Dale Book                      David A. Brenn                      Carol Angel  
Hal Simpson                      Rod Kuharich                      Dennis Montgomery                      Jim Slattery  
Thomas R. Pointon                      James G. Rogers                      Dale Straw                      Bill Tyner                      Joe Flory

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**January 2005**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	20.72	14.80
2	BOOTH ORCHARD	0.22	0.10
3	EXCELSIOR	1.88	1.33
4	COLLIER	0.00	0.00
5	COLORADO	0.16	0.08
6	ROCKY FORD HIGHLINE	9.14	7.30
7	OXFORD	0.10	0.04
8	OTERO	0.00	0.00
9	CATLIN	3.67	3.54
10	FORT LYON US	3.01	2.45
11	ROCKY FORD	5.24	5.24
12	HOLBROOK	0.00	0.00
13	LAS ANIMAS CONSOLIDATED	0.00	0.00
14	BALDWIN-STUBBS	0.00	0.00
15	FORT BENT	0.00	0.00
16	KEESE	0.00	0.00
17	AMITY	113.23	55.75
18	LAMAR/MANVEL	0.06	0.02
19	HYDE	13.68	13.68
20	FORT LYON DS	1.01	0.30
21	XY GRAHAM	0.00	0.00
22	BUFFALO	1.95	1.95
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	0.00	0.00
600	LAWMA A.P.D.	0.00	0.00
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	<b>Totals</b>	<b>174.07</b>	<b>106.58</b>



Enclosure 1

John Martin Offset Accounting for January 2005



OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6365.80							0.00							339.23
1	0.00	0.00	0.00	0.00	0.00	6365.80	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	339.23
2	0.00	0.00	0.00	0.00	0.00	6365.80	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	339.23
3	0.00	0.00	0.00	0.00	0.00	6365.80	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	339.23
4	0.00	0.00	0.00	0.00	0.00	6365.80	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	339.23
5	0.00	0.00	0.00	0.00	0.63	6365.17	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.03	339.20
6	0.00	0.00	0.00	0.00	0.15	6365.02	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.01	339.19
7	0.00	0.00	0.00	0.00	0.00	6365.02	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	339.19
8	0.00	0.00	0.00	0.00	0.32	6364.70	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.02	339.17
9	0.00	0.00	0.00	0.00	0.32	6364.38	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.02	339.15
10	0.00	0.00	0.00	0.00	0.15	6364.23	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.01	339.14
11	0.00	0.00	0.00	0.00	0.60	6363.63	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.03	339.11
12	0.00	0.00	0.00	0.00	0.31	6363.32	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.02	339.09
13	0.00	0.00	0.00	0.00	0.14	6363.18	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.01	339.08
14	0.00	0.00	0.00	0.00	2.36	6360.82	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.13	338.95
15	0.00	0.00	0.00	0.00	2.33	6358.49	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.12	338.83
16	0.00	0.00	0.00	0.00	2.32	6356.17	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.12	338.71
17	0.00	0.00	0.00	0.00	0.30	6355.87	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.02	338.69
18	0.00	0.00	0.00	0.00	0.00	6355.87	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	338.69
19	0.00	0.00	0.00	0.00	0.29	6355.58	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.02	338.67
20	0.00	0.00	0.00	0.00	0.28	6355.30	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.01	338.66
21	0.00	0.00	0.00	0.00	2.22	6353.08	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.12	338.54
22	0.00	0.00	0.00	0.00	2.20	6350.88	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.12	338.42
23	0.00	0.00	0.00	0.00	1.63	6349.25	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.09	338.33
24	0.00	0.00	0.00	0.00	1.74	6347.51	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.09	338.24
25	0.00	0.00	0.00	0.00	2.01	6345.50	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.11	338.13
26	0.00	0.00	0.00	0.00	2.11	6343.39	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.11	338.02
27	0.00	0.00	0.00	13.00	2.23	6328.16	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.12	337.90
28	0.00	0.00	0.00	21.00	2.22	6304.94	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.12	337.78
29	0.00	0.00	0.00	21.00	2.19	6281.75	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.12	337.66
30	0.00	0.00	0.00	21.00	2.17	6258.58	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.12	337.54
31	0.00	6.10	6.10	12.00	2.15	6244.43	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	5.53	0.00	0.00	0.12	342.95
	0.00	6.10	6.10	88.00	33.37			0.00	0.00	0.00	0.00	0.00			0.00	5.53	0.00	0.00	1.81	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6044.85							5273.47							432.15
1	0.00	0.00	0.00	0.00	0.00	6044.85	1	0.00	0.00	0.00	0.00	0.00	5273.47	1	0.00	0.00	0.00	0.00	0.00	432.15
2	0.00	0.00	0.00	0.00	0.00	6044.85	2	0.00	0.00	0.00	0.00	0.00	5273.47	2	0.00	0.00	0.00	0.00	0.00	432.15
3	0.00	0.00	0.00	0.00	0.00	6044.85	3	0.00	0.00	0.00	0.00	0.00	5273.47	3	0.00	0.00	0.00	0.00	0.00	432.15
4	0.00	0.00	0.00	0.00	0.00	6044.85	4	0.00	0.00	0.00	0.00	0.00	5273.47	4	0.00	0.00	0.00	0.00	0.00	432.15
5	0.00	0.00	0.00	0.00	0.60	6044.25	5	0.00	0.00	0.00	0.00	0.53	5272.94	5	0.00	0.00	0.00	0.00	0.04	432.11
6	0.00	0.00	0.00	0.00	0.15	6044.10	6	0.00	0.00	0.00	0.00	0.13	5272.81	6	0.00	0.00	0.00	0.00	0.01	432.10
7	0.00	0.00	0.00	0.00	0.00	6044.10	7	0.00	0.00	0.00	0.00	0.00	5272.81	7	0.00	0.00	0.00	0.00	0.00	432.10
8	0.00	0.00	0.00	0.00	0.30	6043.80	8	0.00	0.00	0.00	0.00	0.26	5272.55	8	0.00	0.00	0.00	0.00	0.02	432.08
9	0.00	0.00	0.00	0.00	0.30	6043.50	9	0.00	0.00	0.00	0.00	0.26	5272.29	9	0.00	0.00	0.00	0.00	0.02	432.06
10	0.00	0.00	0.00	0.00	0.15	6043.35	10	0.00	0.00	0.00	0.00	0.13	5272.16	10	0.00	0.00	0.00	0.00	0.01	432.05
11	0.00	0.00	0.00	0.00	0.58	6042.77	11	0.00	0.00	0.00	0.00	0.51	5271.65	11	0.00	0.00	0.00	0.00	0.04	432.01
12	0.00	0.00	0.00	0.00	0.29	6042.48	12	0.00	0.00	0.00	0.00	0.25	5271.40	12	0.00	0.00	0.00	0.00	0.02	431.99
13	0.00	0.00	0.00	0.00	0.14	6042.34	13	0.00	0.00	0.00	0.00	0.12	5271.28	13	0.00	0.00	0.00	0.00	0.01	431.98
14	0.00	0.00	0.00	0.00	2.24	6040.10	14	0.00	0.00	0.00	0.00	1.95	5269.33	14	0.00	0.00	0.00	0.00	0.16	431.82
15	0.00	0.00	0.00	0.00	2.21	6037.89	15	0.00	0.00	0.00	0.00	1.93	5267.40	15	0.00	0.00	0.00	0.00	0.16	431.66
16	0.00	0.00	0.00	0.00	2.20	6035.69	16	0.00	0.00	0.00	0.00	1.92	5265.48	16	0.00	0.00	0.00	0.00	0.16	431.50
17	0.00	0.00	0.00	0.00	0.28	6035.41	17	0.00	0.00	0.00	0.00	0.24	5265.24	17	0.00	0.00	0.00	0.00	0.02	431.48
18	0.00	0.00	0.00	0.00	0.00	6035.41	18	0.00	0.00	0.00	0.00	0.00	5265.24	18	0.00	0.00	0.00	0.00	0.00	431.48
19	0.00	0.00	0.00	0.00	0.27	6035.14	19	0.00	0.00	0.00	0.00	0.23	5265.01	19	0.00	0.00	0.00	0.00	0.02	431.46
20	0.00	0.00	0.00	0.00	0.26	6034.88	20	0.00	0.00	0.00	0.00	0.23	5264.78	20	0.00	0.00	0.00	0.00	0.02	431.44
21	0.00	0.00	0.00	0.00	2.11	6032.77	21	0.00	0.00	0.00	0.00	1.84	5262.94	21	0.00	0.00	0.00	0.00	0.15	431.29
22	0.00	0.00	0.00	0.00	2.09	6030.68	22	0.00	0.00	0.00	0.00	1.82	5261.12	22	0.00	0.00	0.00	0.00	0.15	431.14
23	0.00	0.00	0.00	0.00	1.55	6029.13	23	0.00	0.00	0.00	0.00	1.35	5259.77	23	0.00	0.00	0.00	0.00	0.11	431.03
24	0.00	0.00	0.00	0.00	1.66	6027.47	24	0.00	0.00	0.00	0.00	1.45	5258.32	24	0.00	0.00	0.00	0.00	0.12	430.91
25	0.00	0.00	0.00	0.00	1.91	6025.56	25	0.00	0.00	0.00	0.00	1.66	5256.66	25	0.00	0.00	0.00	0.00	0.14	430.77
26	0.00	0.00	0.00	0.00	2.00	6023.56	26	0.00	0.00	0.00	0.00	1.75	5254.91	26	0.00	0.00	0.00	0.00	0.14	430.63
27	0.00	0.00	0.00	0.00	2.12	6021.44	27	0.00	0.00	0.00	0.00	1.85	5253.06	27	0.00	0.00	0.00	0.00	0.15	430.48
28	0.00	0.00	0.00	0.00	2.11	6019.33	28	0.00	0.00	0.00	0.00	1.84	5251.22	28	0.00	0.00	0.00	0.00	0.1	

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						320.95							46.87
1	0.00	0.00	0.00	0.00	0.00	320.95	1	0.00	0.00	0.00	0.00	0.00	46.87
2	0.00	0.00	0.00	0.00	0.00	320.95	2	0.00	0.00	0.00	0.00	0.00	46.87
3	0.00	0.00	0.00	0.00	0.00	320.95	3	0.00	0.00	0.00	0.00	0.00	46.87
4	0.00	0.00	0.00	0.00	0.00	320.95	4	0.00	0.00	0.00	0.00	0.00	46.87
5	0.00	0.00	0.00	0.00	0.03	320.92	5	0.00	0.00	0.00	0.00	0.00	46.87
6	0.00	0.00	0.00	0.00	0.00	320.92	6	0.00	0.00	0.00	0.00	0.00	46.87
7	0.00	0.00	0.00	0.00	0.00	320.92	7	0.00	0.00	0.00	0.00	0.00	46.87
8	0.00	0.00	0.00	0.00	0.02	320.90	8	0.00	0.00	0.00	0.00	0.00	46.87
9	0.00	0.00	0.00	0.00	0.02	320.88	9	0.00	0.00	0.00	0.00	0.00	46.87
10	0.00	0.00	0.00	0.00	0.00	320.88	10	0.00	0.00	0.00	0.00	0.00	46.87
11	0.00	0.00	0.00	0.00	0.02	320.86	11	0.00	0.00	0.00	0.00	0.00	46.87
12	0.00	0.00	0.00	0.00	0.02	320.84	12	0.00	0.00	0.00	0.00	0.00	46.87
13	0.00	0.00	0.00	0.00	0.00	320.84	13	0.00	0.00	0.00	0.00	0.00	46.87
14	0.00	0.00	0.00	0.00	0.12	320.72	14	0.00	0.00	0.00	0.00	0.02	46.85
15	0.00	0.00	0.00	0.00	0.12	320.60	15	0.00	0.00	0.00	0.00	0.02	46.83
16	0.00	0.00	0.00	0.00	0.12	320.48	16	0.00	0.00	0.00	0.00	0.02	46.81
17	0.00	0.00	0.00	0.00	0.02	320.46	17	0.00	0.00	0.00	0.00	0.00	46.81
18	0.00	0.00	0.00	0.00	0.00	320.46	18	0.00	0.00	0.00	0.00	0.00	46.81
19	0.00	0.00	0.00	0.00	0.02	320.44	19	0.00	0.00	0.00	0.00	0.00	46.81
20	0.00	0.00	0.00	0.00	0.02	320.42	20	0.00	0.00	0.00	0.00	0.00	46.81
21	0.00	0.00	0.00	0.00	0.11	320.31	21	0.00	0.00	0.00	0.00	0.02	46.79
22	0.00	0.00	0.00	0.00	0.11	320.20	22	0.00	0.00	0.00	0.00	0.02	46.77
23	0.00	0.00	0.00	0.00	0.08	320.12	23	0.00	0.00	0.00	0.00	0.01	46.76
24	0.00	0.00	0.00	0.00	0.08	320.04	24	0.00	0.00	0.00	0.00	0.01	46.75
25	0.00	0.00	0.00	0.00	0.10	319.94	25	0.00	0.00	0.00	0.00	0.01	46.74
26	0.00	0.00	0.00	0.00	0.11	319.83	26	0.00	0.00	0.00	0.00	0.02	46.72
27	0.00	0.00	0.00	13.00	0.11	306.72	27	0.00	0.00	0.00	0.00	0.02	46.70
28	0.00	0.00	0.00	21.00	0.11	285.61	28	0.00	0.00	0.00	0.00	0.02	46.68
29	0.00	0.00	0.00	21.00	0.10	264.51	29	0.00	0.00	0.00	0.00	0.02	46.66
30	0.00	0.00	0.00	21.00	0.09	243.42	30	0.00	0.00	0.00	0.00	0.02	46.64
31	0.00	0.57	5.53	12.00	0.09	226.37	31	0.00	0.00	0.78	0.00	0.02	45.84
	0.00	0.57	5.53	88.00	1.62			0.00	0.78	0.00	0.25		

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						152.53							121.55
1	0.00	0.00	0.00	0.00	0.00	152.53	1	0.00	0.00	0.00	0.00	0.00	121.55
2	0.00	0.00	0.00	0.00	0.00	152.53	2	0.00	0.00	0.00	0.00	0.00	121.55
3	0.00	0.00	0.00	0.00	0.00	152.53	3	0.00	0.00	0.00	0.00	0.00	121.55
4	0.00	0.00	0.00	0.00	0.00	152.53	4	0.00	0.00	0.00	0.00	0.00	121.55
5	0.00	0.00	0.00	0.00	0.02	152.51	5	0.00	0.00	0.00	0.00	0.01	121.54
6	0.00	0.00	0.00	0.00	0.00	152.51	6	0.00	0.00	0.00	0.00	0.00	121.54
7	0.00	0.00	0.00	0.00	0.00	152.51	7	0.00	0.00	0.00	0.00	0.00	121.54
8	0.00	0.00	0.00	0.00	0.01	152.50	8	0.00	0.00	0.00	0.00	0.01	121.53
9	0.00	0.00	0.00	0.00	0.01	152.49	9	0.00	0.00	0.00	0.00	0.01	121.52
10	0.00	0.00	0.00	0.00	0.00	152.49	10	0.00	0.00	0.00	0.00	0.00	121.52
11	0.00	0.00	0.00	0.00	0.01	152.48	11	0.00	0.00	0.00	0.00	0.01	121.51
12	0.00	0.00	0.00	0.00	0.01	152.47	12	0.00	0.00	0.00	0.00	0.01	121.50
13	0.00	0.00	0.00	0.00	0.00	152.47	13	0.00	0.00	0.00	0.00	0.00	121.50
14	0.00	0.00	0.00	0.00	0.06	152.41	14	0.00	0.00	0.00	0.00	0.04	121.46
15	0.00	0.00	0.00	0.00	0.06	152.35	15	0.00	0.00	0.00	0.00	0.04	121.42
16	0.00	0.00	0.00	0.00	0.06	152.29	16	0.00	0.00	0.00	0.00	0.04	121.38
17	0.00	0.00	0.00	0.00	0.01	152.28	17	0.00	0.00	0.00	0.00	0.01	121.37
18	0.00	0.00	0.00	0.00	0.00	152.28	18	0.00	0.00	0.00	0.00	0.00	121.37
19	0.00	0.00	0.00	0.00	0.01	152.27	19	0.00	0.00	0.00	0.00	0.01	121.36
20	0.00	0.00	0.00	0.00	0.01	152.26	20	0.00	0.00	0.00	0.00	0.01	121.35
21	0.00	0.00	0.00	0.00	0.05	152.21	21	0.00	0.00	0.00	0.00	0.04	121.31
22	0.00	0.00	0.00	0.00	0.05	152.16	22	0.00	0.00	0.00	0.00	0.04	121.27
23	0.00	0.00	0.00	0.00	0.04	152.12	23	0.00	0.00	0.00	0.00	0.03	121.24
24	0.00	0.00	0.00	0.00	0.04	152.08	24	0.00	0.00	0.00	0.00	0.03	121.21
25	0.00	0.00	0.00	0.00	0.05	152.03	25	0.00	0.00	0.00	0.00	0.04	121.17
26	0.00	0.00	0.00	0.00	0.05	151.98	26	0.00	0.00	0.00	0.00	0.04	121.13
27	0.00	0.00	0.00	0.00	0.05	151.93	27	0.00	0.00	0.00	13.00	0.04	108.09
28	0.00	0.00	0.00	0.00	0.05	151.88	28	0.00	0.00	0.00	21.00	0.04	87.05
29	0.00	0.00	0.00	0.00	0.05	151.83	29	0.00	0.00	0.00	21.00	0.03	66.02
30	0.00	0.00	0.00	0.00	0.05	151.78	30	0.00	0.00	0.00	21.00	0.02	45.00
31	0.00	0.00	4.75	0.00	0.05	146.98	31	0.00	0.57	0.00	12.00	0.02	33.55
	0.00	0.00	4.75	0.00	0.80			0.00	0.57	0.00	88.00	0.57	





# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

April 26, 2005

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052



Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

RE: Monthly Report of Colorado Pumping and Offset Account Operations for February 2005

Dear Mr. Pope and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of February, 2005.

Table 1 shows the amount of pumping during the month of February 2005 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

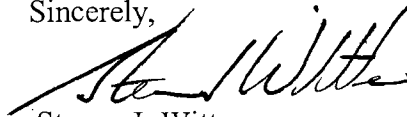
Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on none of the days in February. Also note

that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on none of the days in February. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

As indicated in Table 3, 129.34 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. Under those provisions, 129.34 acre-feet will be moved from the Colorado Consumable Water subaccount to the Kansas Consumable Water subaccount of the Offset Account 30 days after the date of this notification letter in order that evaporation be charged as provided for by paragraph 5B of the Resolution. As of February 28, 2005, a total of 6154.46 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of February is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Kevin Salter      Robin Jennison      John Draper      Monique Morey  
Randy Hayzlett      Dale Book      David A. Brenn      Carol Angel  
Hal Simpson      Rod Kuharich      Dennis Montgomery      Jim Slattery      Mark Rude  
Thomas R. Pointon      James G. Rogers      Dale Straw      Bill Tyner      Joe Flory

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**February 2005**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	65.67	43.45
2	BOOTH ORCHARD	0.19	0.08
3	EXCELSIOR	6.26	4.65
4	COLLIER	0.00	0.00
5	COLORADO	5.75	2.88
6	ROCKY FORD HIGHLINE	14.72	8.82
7	OXFORD	18.70	7.29
8	OTERO	1.37	0.54
9	CATLIN	21.37	10.96
10	FORT LYON US	11.38	5.14
11	ROCKY FORD	10.12	7.10
12	HOLBROOK	24.79	16.16
13	LAS ANIMAS CONSOLIDATED	4.73	2.49
14	BALDWIN-STUBBS	0.00	0.00
15	FORT BENT	0.24	0.07
16	KEESE	0.00	0.00
17	AMITY	94.49	47.23
18	LAMAR/MANVEL	5.19	1.81
19	HYDE	0.00	0.00
20	FORT LYON DS	0.22	0.06
21	XY GRAHAM	0.00	0.00
22	BUFFALO	4.59	4.59
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	0.19	0.14
600	LAWMA A.P.D.	0.00	0.00
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	<b>289.97</b>	<b>163.46</b>

**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**February 2005**

USER NUMBER										
15	16	17	18	19	20	21	22	23	24	Total
0	0	1	0	0	0	0	0	0	0	1

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**February 2005**

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum	Credit to Next Month
	Balance Forward from Dec04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion	6.13	12.72	48.60	43.30	22.21	50.12	95.98	130.15	5.61	414.82	
Depletion to Usable SL Flow	2.14	4.44	16.96	15.11	7.75	17.49	33.50	45.42	1.96	144.77	
Replacements	Carry Forward Credit										
FRY-ARK Return Flows	0.00	4.32	9.96	0.00						16.37	0.00
LAWMA-Lamar Center Farm	0.00				0.00					0.00	0.00
LAWMA-Ft Bent Ditch Shrs	0.00			0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00							0.00		0.00	0.00
LAWMA-XY Direct Flow	0.00				0.00					0.00	0.00
LAWMA-Manvel Direct Flow	0.00				0.00					0.00	0.00
Offset Account Release Credit	1104.80									0.00	1104.80
Offset Account Water	0.00									129.34	0.00
Total Replacements	131.43	4.32	9.96	0.00	0.00	0.00	0.00	0.00	0.00	129.34	0.00
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	145.71	0.00



Enclosure 1

John Martin Offset Accounting for February 2005

OffsetAccount-Totals							OffsetAccount-Consumable Upstream						OffsetAccount-Consumable Kansas							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6244.43							0.00							342.95
1	0.00	0.00	0.00	0.00	3.37	6241.06	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.19	342.76
2	0.00	0.00	0.00	0.00	3.48	6237.58	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.19	342.57
3	0.00	0.00	0.00	0.00	3.46	6234.12	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.19	342.38
4	0.00	0.00	0.00	0.00	3.44	6230.68	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.19	342.19
5	0.00	0.00	0.00	0.00	3.40	6227.28	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.19	342.00
6	0.00	0.00	0.00	0.00	3.38	6223.90	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.19	341.81
7	0.00	0.00	0.00	0.00	3.34	6220.56	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.18	341.63
8	0.00	0.00	0.00	0.00	3.33	6217.23	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.18	341.45
9	0.00	0.00	0.00	0.00	3.31	6213.92	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.18	341.27
10	0.00	0.00	0.00	0.00	3.29	6210.63	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.18	341.09
11	0.00	0.00	0.00	0.00	3.26	6207.37	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.18	340.91
12	0.00	0.00	0.00	0.00	3.25	6204.12	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.18	340.73
13	0.00	0.00	0.00	0.00	3.23	6200.89	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.18	340.55
14	0.00	0.00	0.00	0.00	3.21	6197.68	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.18	340.37
15	0.00	0.00	0.00	0.00	3.17	6194.51	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.17	340.20
16	0.00	0.00	0.00	0.00	3.16	6191.35	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.17	340.03
17	0.00	0.00	0.00	0.00	3.14	6188.21	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.17	339.86
18	0.00	0.00	0.00	0.00	3.12	6185.09	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.17	339.69
19	0.00	0.00	0.00	0.00	3.09	6182.00	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.17	339.52
20	0.00	0.00	0.00	0.00	3.08	6178.92	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.17	339.35
21	0.00	0.00	0.00	0.00	3.06	6175.86	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.17	339.18
22	0.00	0.00	0.00	0.00	3.04	6172.82	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.17	339.01
23	0.00	0.00	0.00	0.00	3.03	6169.79	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.17	338.84
24	0.00	0.00	0.00	0.00	3.10	6166.69	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.17	338.67
25	0.00	0.00	0.00	0.00	3.08	6163.61	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.17	338.50
26	0.00	0.00	0.00	0.00	3.07	6160.54	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.17	338.33
27	0.00	0.00	0.00	0.00	3.05	6157.49	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.17	338.16
28	0.00	5.20	5.20	0.00	3.03	6154.46	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	4.64	0.00	0.00	0.17	342.63
	0.00	5.20	5.20	0.00	89.97			0.00	0.00	0.00	0.00	0.00			0.00	4.64	0.00	0.00	4.96	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream						OffsetAccount-Consumable Kansas Charge							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6018.06							5245.23							429.88
1	0.00	0.00	0.00	0.00	3.25	6014.81	1	0.00	0.00	0.00	0.00	2.83	5242.40	1	0.00	0.00	0.00	0.00	0.23	429.65
2	0.00	0.00	0.00	0.00	3.35	6011.46	2	0.00	0.00	0.00	0.00	2.92	5239.48	2	0.00	0.00	0.00	0.00	0.24	429.41
3	0.00	0.00	0.00	0.00	3.33	6008.13	3	0.00	0.00	0.00	0.00	2.90	5236.58	3	0.00	0.00	0.00	0.00	0.24	429.17
4	0.00	0.00	0.00	0.00	3.31	6004.82	4	0.00	0.00	0.00	0.00	2.88	5233.70	4	0.00	0.00	0.00	0.00	0.24	428.93
5	0.00	0.00	0.00	0.00	3.28	6001.54	5	0.00	0.00	0.00	0.00	2.86	5230.84	5	0.00	0.00	0.00	0.00	0.23	428.70
6	0.00	0.00	0.00	0.00	3.26	5998.28	6	0.00	0.00	0.00	0.00	2.84	5228.00	6	0.00	0.00	0.00	0.00	0.23	428.47
7	0.00	0.00	0.00	0.00	3.22	5995.06	7	0.00	0.00	0.00	0.00	2.81	5225.19	7	0.00	0.00	0.00	0.00	0.23	428.24
8	0.00	0.00	0.00	0.00	3.21	5991.85	8	0.00	0.00	0.00	0.00	2.80	5222.39	8	0.00	0.00	0.00	0.00	0.23	428.01
9	0.00	0.00	0.00	0.00	3.19	5988.66	9	0.00	0.00	0.00	0.00	2.78	5219.61	9	0.00	0.00	0.00	0.00	0.23	427.78
10	0.00	0.00	0.00	0.00	3.17	5985.49	10	0.00	0.00	0.00	0.00	2.76	5216.85	10	0.00	0.00	0.00	0.00	0.23	427.55
11	0.00	0.00	0.00	0.00	3.14	5982.35	11	0.00	0.00	0.00	0.00	2.74	5214.11	11	0.00	0.00	0.00	0.00	0.22	427.33
12	0.00	0.00	0.00	0.00	3.13	5979.22	12	0.00	0.00	0.00	0.00	2.73	5211.38	12	0.00	0.00	0.00	0.00	0.22	427.11
13	0.00	0.00	0.00	0.00	3.11	5976.11	13	0.00	0.00	0.00	0.00	2.71	5208.67	13	0.00	0.00	0.00	0.00	0.22	426.89
14	0.00	0.00	0.00	0.00	3.09	5973.02	14	0.00	0.00	0.00	0.00	2.69	5205.98	14	0.00	0.00	0.00	0.00	0.22	426.67
15	0.00	0.00	0.00	0.00	3.06	5969.96	15	0.00	0.00	0.00	0.00	2.67	5203.31	15	0.00	0.00	0.00	0.00	0.22	426.45
16	0.00	0.00	0.00	0.00	3.05	5966.91	16	0.00	0.00	0.00	0.00	2.66	5200.65	16	0.00	0.00	0.00	0.00	0.22	426.23
17	0.00	0.00	0.00	0.00	3.03	5963.88	17	0.00	0.00	0.00	0.00	2.64	5198.01	17	0.00	0.00	0.00	0.00	0.22	426.01
18	0.00	0.00	0.00	0.00	3.01	5960.87	18	0.00	0.00	0.00	0.00	2.62	5195.39	18	0.00	0.00	0.00	0.00	0.22	425.79
19	0.00	0.00	0.00	0.00	2.98	5957.89	19	0.00	0.00	0.00	0.00	2.60	5192.79	19	0.00	0.00	0.00	0.00	0.21	425.58
20	0.00	0.00	0.00	0.00	2.97	5954.92	20	0.00	0.00	0.00	0.00	2.59	5190.20	20	0.00	0.00	0.00	0.00	0.21	425.37
21	0.00	0.00	0.00	0.00	2.95	5951.97	21	0.00	0.00	0.00	0.00	2.57	5187.63	21	0.00	0.00	0.00	0.00	0.21	425.16
22	0.00	0.00	0.00	0.00	2.93	5949.04	22	0.00	0.00	0.00	0.00	2.55	5185.08	22	0.00	0.00	0.00	0.00	0.21	424.95
23	0.00	0.00	0.00	0.00	2.92	5946.12	23	0.00	0.00	0.00	0.00	2.54	5182.54	23	0.00	0.00	0.00	0.00	0.21	424.74
24	0.00	0.00	0.00	0.00	2.99	5943.13	24	0.00	0.00	0.00	0.00	2.61	5179.93	24	0.00	0.00	0.00	0.00	0.21	424.53
25	0.00	0.00	0.00	0.00	2.97	5940.16	25	0.00	0.00	0.00	0.00	2.59	5177.34	25	0.00	0.00	0.00	0.00	0.21	424.32
26	0.00	0.00	0.00	0.00	2.96	5937.20	26	0.00	0.00	0.00	0.00	2.58	5174.76	26	0.00	0.00	0.00	0.00	0.21	424.11
27	0.00	0.00	0.00	0.00	2.94	5934.26	27	0.00	0.00	0.00	0.00	2.56	5172.20	27	0.00	0.00	0.00	0.00	0.21	423.90
28	0.00	4.64	0.56	0.00	2.92	5935.42	28	0.00	0.00	0.56	0.00	2.54	5169.10	28	0.00	0.00	0.00	0.00	0.21	423.69
	0.00	4.64	0.56	0.00	86.72			0.00	0.00	0.56	0.00	75.57			0.00	0.00	0.00	0.00	6.19	

OffsetAccount-ReturnFlow

OffsetAccount-ReturnFlow

Totals

RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1	0.00	0.00	0.00	0.00	0.12	226.37
2	0.00	0.00	0.00	0.00	0.13	226.25
3	0.00	0.00	0.00	0.00	0.13	225.99
4	0.00	0.00	0.00	0.00	0.13	225.86
5	0.00	0.00	0.00	0.00	0.12	225.74
6	0.00	0.00	0.00	0.00	0.12	225.62
7	0.00	0.00	0.00	0.00	0.12	225.50
8	0.00	0.00	0.00	0.00	0.12	225.38
9	0.00	0.00	0.00	0.00	0.12	225.26
10	0.00	0.00	0.00	0.00	0.12	225.14
11	0.00	0.00	0.00	0.00	0.12	225.02
12	0.00	0.00	0.00	0.00	0.12	224.90
13	0.00	0.00	0.00	0.00	0.12	224.78
14	0.00	0.00	0.00	0.00	0.12	224.66
15	0.00	0.00	0.00	0.00	0.11	224.55
16	0.00	0.00	0.00	0.00	0.11	224.44
17	0.00	0.00	0.00	0.00	0.11	224.33
18	0.00	0.00	0.00	0.00	0.11	224.22
19	0.00	0.00	0.00	0.00	0.11	224.11
20	0.00	0.00	0.00	0.00	0.11	224.00
21	0.00	0.00	0.00	0.00	0.11	223.89
22	0.00	0.00	0.00	0.00	0.11	223.78
23	0.00	0.00	0.00	0.00	0.11	223.67
24	0.00	0.00	0.00	0.00	0.11	223.56
25	0.00	0.00	0.00	0.00	0.11	223.45
26	0.00	0.00	0.00	0.00	0.11	223.34
27	0.00	0.00	0.00	0.00	0.11	223.23
28	0.00	0.56	4.64	0.00	0.11	219.04
	0.00	0.56	4.64	0.00	3.25	

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1	0.00	0.00	0.00	0.00	0.02	45.84
2	0.00	0.00	0.00	0.00	0.03	45.82
3	0.00	0.00	0.00	0.00	0.03	45.79
4	0.00	0.00	0.00	0.00	0.03	45.76
5	0.00	0.00	0.00	0.00	0.02	45.73
6	0.00	0.00	0.00	0.00	0.02	45.71
7	0.00	0.00	0.00	0.00	0.02	45.69
8	0.00	0.00	0.00	0.00	0.02	45.67
9	0.00	0.00	0.00	0.00	0.02	45.65
10	0.00	0.00	0.00	0.00	0.02	45.63
11	0.00	0.00	0.00	0.00	0.02	45.61
12	0.00	0.00	0.00	0.00	0.02	45.59
13	0.00	0.00	0.00	0.00	0.02	45.57
14	0.00	0.00	0.00	0.00	0.02	45.55
15	0.00	0.00	0.00	0.00	0.02	45.53
16	0.00	0.00	0.00	0.00	0.02	45.51
17	0.00	0.00	0.00	0.00	0.02	45.49
18	0.00	0.00	0.00	0.00	0.02	45.47
19	0.00	0.00	0.00	0.00	0.02	45.45
20	0.00	0.00	0.00	0.00	0.02	45.43
21	0.00	0.00	0.00	0.00	0.02	45.41
22	0.00	0.00	0.00	0.00	0.02	45.39
23	0.00	0.00	0.00	0.00	0.02	45.37
24	0.00	0.00	0.00	0.00	0.02	45.35
25	0.00	0.00	0.00	0.00	0.02	45.33
26	0.00	0.00	0.00	0.00	0.02	45.31
27	0.00	0.00	0.00	0.00	0.02	45.29
28	0.00	0.00	0.67	0.00	0.02	45.27
	0.00	0.00	0.67	0.00	0.59	44.58

OffsetAccount-ReturnFlow

OffsetAccount-ReturnFlow

Return Flow

Keesee Winter

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1	0.00	0.00	0.00	0.00	0.08	146.98
2	0.00	0.00	0.00	0.00	0.08	146.90
3	0.00	0.00	0.00	0.00	0.08	146.82
4	0.00	0.00	0.00	0.00	0.08	146.74
5	0.00	0.00	0.00	0.00	0.08	146.66
6	0.00	0.00	0.00	0.00	0.08	146.58
7	0.00	0.00	0.00	0.00	0.08	146.50
8	0.00	0.00	0.00	0.00	0.08	146.42
9	0.00	0.00	0.00	0.00	0.08	146.34
10	0.00	0.00	0.00	0.00	0.08	146.26
11	0.00	0.00	0.00	0.00	0.08	146.18
12	0.00	0.00	0.00	0.00	0.08	146.10
13	0.00	0.00	0.00	0.00	0.08	146.02
14	0.00	0.00	0.00	0.00	0.08	145.94
15	0.00	0.00	0.00	0.00	0.07	145.86
16	0.00	0.00	0.00	0.00	0.07	145.79
17	0.00	0.00	0.00	0.00	0.07	145.72
18	0.00	0.00	0.00	0.00	0.07	145.65
19	0.00	0.00	0.00	0.00	0.07	145.58
20	0.00	0.00	0.00	0.00	0.07	145.51
21	0.00	0.00	0.00	0.00	0.07	145.44
22	0.00	0.00	0.00	0.00	0.07	145.37
23	0.00	0.00	0.00	0.00	0.07	145.30
24	0.00	0.00	0.00	0.00	0.07	145.23
25	0.00	0.00	0.00	0.00	0.07	145.16
26	0.00	0.00	0.00	0.00	0.07	145.09
27	0.00	0.00	0.00	0.00	0.07	145.02
28	0.00	0.00	3.97	0.00	0.07	144.95
	0.00	0.00	3.97	0.00	2.10	140.91

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1	0.00	0.00	0.00	0.00	0.02	33.55
2	0.00	0.00	0.00	0.00	0.02	33.53
3	0.00	0.00	0.00	0.00	0.02	33.51
4	0.00	0.00	0.00	0.00	0.02	33.49
5	0.00	0.00	0.00	0.00	0.02	33.47
6	0.00	0.00	0.00	0.00	0.02	33.44
7	0.00	0.00	0.00	0.00	0.02	33.43
8	0.00	0.00	0.00	0.00	0.02	33.41
9	0.00	0.00	0.00	0.00	0.02	33.39
10	0.00	0.00	0.00	0.00	0.02	33.37
11	0.00	0.00	0.00	0.00	0.02	33.35
12	0.00	0.00	0.00	0.00	0.02	33.33
13	0.00	0.00	0.00	0.00	0.02	33.31
14	0.00	0.00	0.00	0.00	0.02	33.29
15	0.00	0.00	0.00	0.00	0.02	33.27
16	0.00	0.00	0.00	0.00	0.02	33.25
17	0.00	0.00	0.00	0.00	0.02	33.23
18	0.00	0.00	0.00	0.00	0.02	33.21
19	0.00	0.00	0.00	0.00	0.02	33.19
20	0.00	0.00	0.00	0.00	0.02	33.17
21	0.00	0.00	0.00	0.00	0.02	33.15
22	0.00	0.00	0.00	0.00	0.02	33.13
23	0.00	0.00	0.00	0.00	0.02	33.11
24	0.00	0.00	0.00	0.00	0.02	33.09
25	0.00	0.00	0.00	0.00	0.02	33.07
26	0.00	0.00	0.00	0.00	0.02	33.05
27	0.00	0.00	0.00	0.00	0.02	33.03
28	0.00	0.56	0.00	0.00	0.02	33.01
	0.00	0.56	0.00	0.00	0.56	33.55



# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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May 16, 2005



Bill Owens  
Governor

Russell George  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for March 2005

Dear Mr. Pope and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of March, 2005.

Table 1 shows the amount of pumping during the month of March 2005 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on none of the days in March. Also note

that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on none of the days in March. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

As indicated in Table 3, 126.22 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. Under those provisions, 126.22 acre-feet will be moved from the Colorado Consumable Water subaccount to the Kansas Consumable Water subaccount of the Offset Account 30 days after the date of this notification letter in order that evaporation be charged as provided for by paragraph 5B of the Resolution. As of March 31, 2005, a total of 8,128.4 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of March is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc:	Kevin Salter	Robin Jennison	John Draper	Monique Morey	
	Randy Hayzlett	Dale Book	David A. Brenn	Carol Angel	
	Hal Simpson	Rod Kuharich	Dennis Montgomery	Jim Slattery	Mark Rude
	Thomas R. Pointon	James G. Rogers	Dale Straw	Bill Tyner	Joe Flory

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**March 2005**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	387.70	179.79
2	BOOTH ORCHARD	8.24	5.72
3	EXCELSIOR	17.27	9.30
4	COLLIER	45.07	22.54
5	COLORADO	170.06	73.93
6	ROCKY FORD HIGHLINE	182.77	73.01
7	OXFORD	344.66	221.80
8	OTERO	51.33	18.85
9	CATLIN	732.66	336.92
10	FORT LYON US	417.00	193.30
11	ROCKY FORD	113.72	48.26
12	HOLBROOK	310.28	145.93
13	LAS ANIMAS CONSOLIDATED	95.10	47.79
14	BALDWIN-STUBBS	243.41	129.25
15	FORT BENT	5.10	2.63
16	KEESE	38.78	29.08
17	AMITY	406.30	180.97
18	LAMAR/MANVEL	388.17	138.33
19	HYDE	0.00	0.00
20	FORT LYON DS	118.42	52.79
21	XY GRAHAM	0.00	0.00
22	BUFFALO	4.87	4.87
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	104.18	70.64
600	LAWMA A.P.D.	208.29	66.65
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	<b>4393.38</b>	<b>2052.35</b>





Enclosure 1

John Martin Offset Accounting for March 2005

OffsetAccount-

OffsetAccount-Consumable

OffsetAccount-Consumable

Totals

Upstream

Kansas

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6154.45							0.00							342.63
1	0.00	0.00	0.00	0.00	4.78	6149.68	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.27	342.36
2	0.00	0.00	0.00	0.00	4.75	6144.93	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.26	342.10
3	0.00	0.00	0.00	0.00	4.82	6140.11	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.27	341.83
4	0.00	0.00	0.00	0.00	4.80	6135.31	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.27	341.56
5	0.00	0.00	0.00	0.00	4.78	6130.53	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.27	341.29
6	0.00	0.00	0.00	0.00	4.75	6125.78	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.26	341.03
7	0.00	0.00	0.00	0.00	4.73	6121.05	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.26	340.77
8	0.00	0.00	0.00	0.00	4.70	6116.35	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.26	340.51
9	0.00	0.00	0.00	0.00	4.68	6111.67	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.26	340.25
10	0.00	0.00	0.00	0.00	4.66	6107.01	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.26	339.99
11	0.00	0.00	0.00	0.00	4.65	6102.36	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.26	339.73
12	0.00	0.00	0.00	0.00	4.63	6097.73	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.26	339.47
13	0.00	0.00	0.00	0.00	4.62	6093.11	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.26	339.21
14	0.00	0.00	0.00	0.00	4.58	6088.53	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.26	338.95
15	0.00	0.00	0.00	0.00	4.67	6083.86	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.26	338.69
16	0.00	0.00	0.00	0.00	4.65	6079.21	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.26	338.43
17	0.00	0.00	0.00	0.00	4.64	6074.57	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.26	338.17
18	0.00	0.00	0.00	0.00	4.63	6069.94	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.26	337.91
19	0.00	0.00	0.00	0.00	4.62	6065.32	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.26	337.65
20	0.00	0.00	0.00	0.00	4.61	6060.71	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.26	337.39
21	0.00	0.00	0.00	0.00	4.59	6056.12	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.26	337.13
22	0.00	2000.00	0.00	0.00	4.55	8051.57	22	0.00	632.32	0.00	0.00	0.00	632.32	22	0.00	0.00	0.00	0.00	0.25	336.88
23	0.00	0.00	0.00	0.00	6.05	8045.52	23	0.00	0.00	0.00	0.00	0.48	631.84	23	0.00	0.00	0.00	0.00	0.25	336.63
24	0.00	0.00	0.00	0.00	6.04	8039.48	24	0.00	0.00	0.00	0.00	0.48	631.36	24	0.00	0.00	0.00	0.00	0.25	336.38
25	0.00	0.00	0.00	0.00	6.01	8033.47	25	0.00	0.00	0.00	0.00	0.47	630.89	25	0.00	0.00	0.00	0.00	0.25	336.13
26	0.00	0.00	0.00	0.00	6.00	8027.47	26	0.00	0.00	0.00	0.00	0.47	630.42	26	0.00	0.00	0.00	0.00	0.25	335.88
27	0.00	0.00	0.00	0.00	5.98	8021.49	27	0.00	0.00	0.00	0.00	0.47	629.95	27	0.00	0.00	0.00	0.00	0.25	335.63
28	0.00	0.00	0.00	0.00	5.96	8015.53	28	0.00	0.00	0.00	0.00	0.47	629.48	28	0.00	0.00	0.00	0.00	0.25	335.38
29	0.00	0.00	0.00	0.00	5.95	8009.58	29	0.00	0.00	0.00	0.00	0.47	629.01	29	0.00	0.00	0.00	0.00	0.25	335.13
30	0.00	0.00	0.00	0.00	5.94	8003.64	30	0.00	0.00	0.00	0.00	0.47	628.54	30	0.00	0.00	0.00	0.00	0.25	334.88
31	0.00	151.51	5.73	15.00	6.02	8128.40	31	0.00	0.00	0.00	0.00	0.47	628.07	31	0.00	4.92	0.00	0.00	0.25	339.55
	0.00	2151.51	5.73	15.00	156.84			0.00	632.32	0.00	0.00	4.25			0.00	4.92	0.00	0.00	8.00	

OffsetAccount-Consumable

OffsetAccount-Consumable

OffsetAccount-Consumable

Totals

Downstream

Kansas Charge

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5935.42							5169.10							423.69
1	0.00	0.00	0.00	0.00	4.61	5930.81	1	0.00	0.00	0.00	0.00	4.01	5165.09	1	0.00	0.00	0.00	0.00	0.33	423.36
2	0.00	0.00	0.00	0.00	4.58	5926.23	2	0.00	0.00	0.00	0.00	3.99	5161.10	2	0.00	0.00	0.00	0.00	0.33	423.03
3	0.00	0.00	0.00	0.00	4.65	5921.58	3	0.00	0.00	0.00	0.00	4.05	5157.05	3	0.00	0.00	0.00	0.00	0.33	422.70
4	0.00	0.00	0.00	0.00	4.63	5916.95	4	0.00	0.00	0.00	0.00	4.03	5153.02	4	0.00	0.00	0.00	0.00	0.33	422.37
5	0.00	0.00	0.00	0.00	4.61	5912.34	5	0.00	0.00	0.00	0.00	4.01	5149.01	5	0.00	0.00	0.00	0.00	0.33	422.04
6	0.00	0.00	0.00	0.00	4.58	5907.76	6	0.00	0.00	0.00	0.00	3.99	5145.02	6	0.00	0.00	0.00	0.00	0.33	421.71
7	0.00	0.00	0.00	0.00	4.56	5903.20	7	0.00	0.00	0.00	0.00	3.97	5141.05	7	0.00	0.00	0.00	0.00	0.33	421.38
8	0.00	0.00	0.00	0.00	4.53	5898.67	8	0.00	0.00	0.00	0.00	3.95	5137.10	8	0.00	0.00	0.00	0.00	0.32	421.06
9	0.00	0.00	0.00	0.00	4.51	5894.16	9	0.00	0.00	0.00	0.00	3.93	5133.17	9	0.00	0.00	0.00	0.00	0.32	420.74
10	0.00	0.00	0.00	0.00	4.49	5889.67	10	0.00	0.00	0.00	0.00	3.91	5129.26	10	0.00	0.00	0.00	0.00	0.32	420.42
11	0.00	0.00	0.00	0.00	4.48	5885.19	11	0.00	0.00	0.00	0.00	3.90	5125.36	11	0.00	0.00	0.00	0.00	0.32	420.10
12	0.00	0.00	0.00	0.00	4.46	5880.73	12	0.00	0.00	0.00	0.00	3.88	5121.48	12	0.00	0.00	0.00	0.00	0.32	419.78
13	0.00	0.00	0.00	0.00	4.45	5876.28	13	0.00	0.00	0.00	0.00	3.87	5117.61	13	0.00	0.00	0.00	0.00	0.32	419.46
14	0.00	0.00	0.00	0.00	4.43	5871.85	14	0.00	0.00	0.00	0.00	3.85	5113.76	14	0.00	0.00	0.00	0.00	0.32	419.14
15	0.00	0.00	0.00	0.00	4.50	5867.35	15	0.00	0.00	0.00	0.00	3.92	5109.84	15	0.00	0.00	0.00	0.00	0.32	418.82
16	0.00	0.00	0.00	0.00	4.48	5862.87	16	0.00	0.00	0.00	0.00	3.90	5105.94	16	0.00	0.00	0.00	0.00	0.32	418.50
17	0.00	0.00	0.00	0.00	4.47	5858.40	17	0.00	0.00	0.00	0.00	3.89	5102.05	17	0.00	0.00	0.00	0.00	0.32	418.18
18	0.00	0.00	0.00	0.00	4.46	5853.94	18	0.00	0.00	0.00	0.00	3.88	5098.17	18	0.00	0.00	0.00	0.00	0.32	417.86
19	0.00	0.00	0.00	0.00	4.45	5849.49	19	0.00	0.00	0.00	0.00	3.87	5094.30	19	0.00	0.00	0.00	0.00	0.32	417.54
20	0.00	0.00	0.00	0.00	4.44	5845.05	20	0.00	0.00	0.00	0.00	3.86	5090.44	20	0.00	0.00	0.00	0.00	0.32	417.22
21	0.00	0.00	0.00	0.00	4.43	5840.62	21	0.00	0.00	0.00	0.00	3.85	5086.59	21	0.00	0.00	0.00	0.00	0.32	416.90
22	0.00	2000.00	0.00	0.00	4.40	7836.22	22	0.00	1367.68	0.00	0.00	3.84	6450.43	22	0.00	0.00	0.00	0.00	0.31	416.59
23	0.00	0.00	0.00	0.00	5.90	7830.32	23	0.00	0.00	0.00	0.00	4.86	6445.57	23	0.00	0.00	0.00	0.00	0.31	416.28
24	0.00	0.00	0.00	0.00	5.89	7824.43	24	0.00	0.00	0.00	0.00	4.85	6440.72	24	0.00	0.00	0.00	0.00	0.31	415.97
25	0.00	0.00	0.00	0.00	5.86	7818.57														

OffsetAccount-ReturnFlow

OffsetAccount-ReturnFlow

Totals

RF Transit Loss

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						219.04							44.58
1	0.00	0.00	0.00	0.00	0.17	218.87	1	0.00	0.00	0.00	0.00	0.03	44.55
2	0.00	0.00	0.00	0.00	0.17	218.70	2	0.00	0.00	0.00	0.00	0.03	44.52
3	0.00	0.00	0.00	0.00	0.17	218.53	3	0.00	0.00	0.00	0.00	0.03	44.49
4	0.00	0.00	0.00	0.00	0.17	218.36	4	0.00	0.00	0.00	0.00	0.03	44.46
5	0.00	0.00	0.00	0.00	0.17	218.19	5	0.00	0.00	0.00	0.00	0.03	44.43
6	0.00	0.00	0.00	0.00	0.17	218.02	6	0.00	0.00	0.00	0.00	0.03	44.40
7	0.00	0.00	0.00	0.00	0.17	217.85	7	0.00	0.00	0.00	0.00	0.03	44.37
8	0.00	0.00	0.00	0.00	0.17	217.68	8	0.00	0.00	0.00	0.00	0.03	44.34
9	0.00	0.00	0.00	0.00	0.17	217.51	9	0.00	0.00	0.00	0.00	0.03	44.31
10	0.00	0.00	0.00	0.00	0.17	217.34	10	0.00	0.00	0.00	0.00	0.03	44.28
11	0.00	0.00	0.00	0.00	0.17	217.17	11	0.00	0.00	0.00	0.00	0.03	44.25
12	0.00	0.00	0.00	0.00	0.17	217.00	12	0.00	0.00	0.00	0.00	0.03	44.22
13	0.00	0.00	0.00	0.00	0.17	216.83	13	0.00	0.00	0.00	0.00	0.03	44.19
14	0.00	0.00	0.00	0.00	0.15	216.68	14	0.00	0.00	0.00	0.00	0.03	44.16
15	0.00	0.00	0.00	0.00	0.17	216.51	15	0.00	0.00	0.00	0.00	0.03	44.13
16	0.00	0.00	0.00	0.00	0.17	216.34	16	0.00	0.00	0.00	0.00	0.03	44.10
17	0.00	0.00	0.00	0.00	0.17	216.17	17	0.00	0.00	0.00	0.00	0.03	44.07
18	0.00	0.00	0.00	0.00	0.17	216.00	18	0.00	0.00	0.00	0.00	0.03	44.04
19	0.00	0.00	0.00	0.00	0.17	215.83	19	0.00	0.00	0.00	0.00	0.03	44.01
20	0.00	0.00	0.00	0.00	0.17	215.66	20	0.00	0.00	0.00	0.00	0.03	43.98
21	0.00	0.00	0.00	0.00	0.16	215.50	21	0.00	0.00	0.00	0.00	0.03	43.95
22	0.00	0.00	0.00	0.00	0.15	215.35	22	0.00	0.00	0.00	0.00	0.03	43.92
23	0.00	0.00	0.00	0.00	0.15	215.20	23	0.00	0.00	0.00	0.00	0.03	43.89
24	0.00	0.00	0.00	0.00	0.15	215.05	24	0.00	0.00	0.00	0.00	0.03	43.86
25	0.00	0.00	0.00	0.00	0.15	214.90	25	0.00	0.00	0.00	0.00	0.03	43.83
26	0.00	0.00	0.00	0.00	0.15	214.75	26	0.00	0.00	0.00	0.00	0.03	43.80
27	0.00	0.00	0.00	0.00	0.15	214.60	27	0.00	0.00	0.00	0.00	0.03	43.77
28	0.00	0.00	0.00	0.00	0.15	214.45	28	0.00	0.00	0.00	0.00	0.03	43.74
29	0.00	0.00	0.00	0.00	0.15	214.30	29	0.00	0.00	0.00	0.00	0.03	43.71
30	0.00	0.00	0.00	0.00	0.15	214.15	30	0.00	0.00	0.00	0.00	0.03	43.68
31	0.00	60.39	4.92	15.00	0.15	254.47	31	0.00	14.58	0.63	0.00	0.03	57.60
	0.00	60.39	4.92	15.00	5.04			0.00	14.58	0.63	0.00	0.93	

OffsetAccount-ReturnFlow

OffsetAccount-ReturnFlow

Return Flow

Keesee Winter

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						140.91							33.55
1	0.00	0.00	0.00	0.00	0.11	140.80	1	0.00	0.00	0.00	0.00	0.03	33.52
2	0.00	0.00	0.00	0.00	0.11	140.69	2	0.00	0.00	0.00	0.00	0.03	33.49
3	0.00	0.00	0.00	0.00	0.11	140.58	3	0.00	0.00	0.00	0.00	0.03	33.46
4	0.00	0.00	0.00	0.00	0.11	140.47	4	0.00	0.00	0.00	0.00	0.03	33.43
5	0.00	0.00	0.00	0.00	0.11	140.36	5	0.00	0.00	0.00	0.00	0.03	33.40
6	0.00	0.00	0.00	0.00	0.11	140.25	6	0.00	0.00	0.00	0.00	0.03	33.37
7	0.00	0.00	0.00	0.00	0.11	140.14	7	0.00	0.00	0.00	0.00	0.03	33.34
8	0.00	0.00	0.00	0.00	0.11	140.03	8	0.00	0.00	0.00	0.00	0.03	33.31
9	0.00	0.00	0.00	0.00	0.11	139.92	9	0.00	0.00	0.00	0.00	0.03	33.28
10	0.00	0.00	0.00	0.00	0.11	139.81	10	0.00	0.00	0.00	0.00	0.03	33.25
11	0.00	0.00	0.00	0.00	0.11	139.70	11	0.00	0.00	0.00	0.00	0.03	33.22
12	0.00	0.00	0.00	0.00	0.11	139.59	12	0.00	0.00	0.00	0.00	0.03	33.19
13	0.00	0.00	0.00	0.00	0.11	139.48	13	0.00	0.00	0.00	0.00	0.03	33.16
14	0.00	0.00	0.00	0.00	0.10	139.38	14	0.00	0.00	0.00	0.00	0.02	33.14
15	0.00	0.00	0.00	0.00	0.11	139.27	15	0.00	0.00	0.00	0.00	0.03	33.11
16	0.00	0.00	0.00	0.00	0.11	139.16	16	0.00	0.00	0.00	0.00	0.03	33.08
17	0.00	0.00	0.00	0.00	0.11	139.05	17	0.00	0.00	0.00	0.00	0.03	33.05
18	0.00	0.00	0.00	0.00	0.11	138.94	18	0.00	0.00	0.00	0.00	0.03	33.02
19	0.00	0.00	0.00	0.00	0.11	138.83	19	0.00	0.00	0.00	0.00	0.03	32.99
20	0.00	0.00	0.00	0.00	0.11	138.72	20	0.00	0.00	0.00	0.00	0.03	32.96
21	0.00	0.00	0.00	0.00	0.11	138.61	21	0.00	0.00	0.00	0.00	0.02	32.94
22	0.00	0.00	0.00	0.00	0.10	138.51	22	0.00	0.00	0.00	0.00	0.02	32.92
23	0.00	0.00	0.00	0.00	0.10	138.41	23	0.00	0.00	0.00	0.00	0.02	32.90
24	0.00	0.00	0.00	0.00	0.10	138.31	24	0.00	0.00	0.00	0.00	0.02	32.88
25	0.00	0.00	0.00	0.00	0.10	138.21	25	0.00	0.00	0.00	0.00	0.02	32.86
26	0.00	0.00	0.00	0.00	0.10	138.11	26	0.00	0.00	0.00	0.00	0.02	32.84
27	0.00	0.00	0.00	0.00	0.10	138.01	27	0.00	0.00	0.00	0.00	0.02	32.82
28	0.00	0.00	0.00	0.00	0.10	137.91	28	0.00	0.00	0.00	0.00	0.02	32.80
29	0.00	0.00	0.00	0.00	0.10	137.81	29	0.00	0.00	0.00	0.00	0.02	32.78
30	0.00	0.00	0.00	0.00	0.10	137.71	30	0.00	0.00	0.00	0.00	0.02	32.76
31	0.00	45.00	4.29	0.00	0.10	178.32	31	0.00	0.81	0.00	15.00	0.02	18.55
	0.00	45.00	4.29	0.00	3.30			0.00	0.81	0.00	15.00	0.81	



# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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July 1, 2005



Bill Owens  
Governor

Russell George  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for April 2005

Dear Mr. Pope and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of April, 2005.

Table 1 shows the amount of pumping during the month of April 2005 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on each of the days in April. Also note that

in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on each of the days in April. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

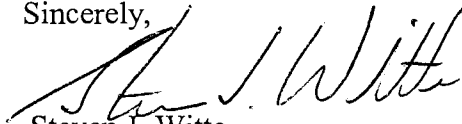
A release of water from the Offset Account was initiated on April 27, 2005. This release was completed on May 25, 2005 when the Offset Account was emptied. A total of 1683.29 acre-feet was released from the Offset Account by the end of April and an additional 9906.76 acre-feet was released from May 1-25, 2005. This operation is described in a separate letter to you dated July 1, 2005.

A delivery of water to the Offset Account was initiated during the month of April 2005 by LAWMA using consumptive use credits from their ownership in the Highland Canal. The delivery netted 2112.73 acre-feet of fully consumable water into the Offset Account during April 2005. **LAWMA would like to use a portion of their Highland Canal consumable deliveries to the Offset Account to begin to build the 500 AF storage charge amount for the 2006 season. This would likely begin August 1, 2005 subject to flows on the Purgatoire River. Please provide input on this possibility at your earliest convenience.**

As of April 30, 2005, a total of 8,339.19 acre-feet were stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of April is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte

Division Engineer

Colorado Division of Water Resources

cc:	Kevin Salter	Robin Jennison	John Draper	Monique Morey	
	Randy Hayzlett	Dale Book	David A. Brenn	Carol Angel	
	Hal Simpson	Rod Kuharich	Dennis Montgomery	Jim Slattery	Mark Rude
	Thomas R. Pointon	James G. Rogers	Dale Straw	Bill Tyner	Joe Flory

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**April 2005**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	154.89	72.89
2	BOOTH ORCHARD	1.03	0.69
3	EXCELSIOR	37.40	24.91
4	COLLIER	0.00	0.00
5	COLORADO	15.13	5.90
6	ROCKY FORD HIGHLINE	249.85	98.20
7	OXFORD	87.97	36.95
8	OTERO	25.62	10.00
9	CATLIN	465.56	296.53
10	FORT LYON US	278.32	123.88
11	ROCKY FORD	66.72	61.32
12	HOLBROOK	481.90	235.43
13	LAS ANIMAS CONSOLIDATED	39.05	21.09
14	BALDWIN-STUBBS	305.84	152.93
15	FORT BENT	5.04	3.75
16	KEESE	79.65	38.94
17	AMITY	886.85	467.26
18	LAMAR/MANVEL	799.87	317.15
19	HYDE	8.67	3.38
20	FORT LYON DS	332.31	157.34
21	XY GRAHAM	109.05	42.53
22	BUFFALO	6.70	6.70
23	SISSON	0.36	0.36
24	STATELINE SOLE SOURCE	323.84	235.63
600	LAWMA A.P.D.	430.39	185.43
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	<b>5192.01</b>	<b>2599.19</b>





Enclosure 1

John Martin Offset Accounting for April 2005

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						8128.40							628.07							339.55
1	0.00	0.01	0.01	18.55	4.60	8105.25	1	0.00	0.00	0.00	0.00	0.36	627.71	1	0.00	0.00	0.00	0.00	0.19	339.36
2	71.73	0.00	0.00	0.00	4.97	8172.01	2	0.00	0.00	0.00	0.00	0.38	627.33	2	0.00	0.00	0.00	0.00	0.21	339.15
3	71.65	0.00	0.00	0.00	4.62	8239.04	3	0.00	0.00	0.00	0.00	0.36	626.97	3	0.00	0.00	0.00	0.00	0.19	338.96
4	70.71	0.00	0.00	0.00	15.47	8294.28	4	0.00	0.00	0.00	0.00	1.18	625.79	4	0.00	0.00	0.00	0.00	0.64	338.32
5	71.86	0.00	0.00	0.00	3.29	8362.85	5	0.00	0.00	0.00	0.00	0.25	625.54	5	0.00	0.00	0.00	0.00	0.13	338.19
6	71.52	0.00	0.00	0.00	7.70	8426.67	6	0.00	0.00	0.00	0.00	0.58	624.96	6	0.00	0.00	0.00	0.00	0.31	337.88
7	70.15	0.00	0.00	0.00	6.27	8490.55	7	0.00	0.00	0.00	0.00	0.47	624.49	7	0.00	0.00	0.00	0.00	0.25	337.63
8	71.66	0.00	0.00	0.00	3.28	8558.93	8	0.00	0.00	0.00	0.00	0.24	624.25	8	0.00	0.00	0.00	0.00	0.13	337.50
9	71.66	0.00	0.00	0.00	3.23	8627.36	9	0.00	0.00	0.00	0.00	0.24	624.01	9	0.00	0.00	0.00	0.00	0.13	337.37
10	71.66	300.86	300.86	0.00	2.96	8696.06	10	0.00	0.00	0.00	0.00	0.21	623.80	10	0.00	300.86	0.00	0.00	0.12	638.11
11	71.80	0.00	0.00	0.00	22.20	8745.66	11	0.00	0.00	0.00	0.00	1.59	622.21	11	0.00	0.00	0.00	0.00	1.63	636.48
12	72.10	0.00	0.00	0.00	5.60	8812.16	12	0.00	0.00	0.00	0.00	0.40	621.81	12	0.00	0.00	0.00	0.00	0.41	636.07
13	71.64	0.00	0.00	0.00	11.28	8872.52	13	0.00	0.00	0.00	0.00	0.80	621.01	13	0.00	0.00	0.00	0.00	0.81	635.26
14	71.30	0.00	0.00	0.00	6.53	8937.29	14	0.00	0.00	0.00	0.00	0.46	620.55	14	0.00	0.00	0.00	0.00	0.47	634.79
15	71.80	0.00	0.00	0.00	7.80	9001.29	15	0.00	0.00	0.00	0.00	0.54	620.01	15	0.00	0.00	0.00	0.00	0.55	634.24
16	74.19	0.00	0.00	0.00	7.80	9067.68	16	0.00	0.00	0.00	0.00	0.54	619.47	16	0.00	0.00	0.00	0.00	0.55	633.69
17	74.19	0.00	0.00	0.00	8.11	9133.76	17	0.00	0.00	0.00	0.00	0.55	618.92	17	0.00	0.00	0.00	0.00	0.57	633.12
18	74.19	0.00	0.00	0.00	11.98	9195.97	18	0.00	0.00	0.00	0.00	0.81	618.11	18	0.00	0.00	0.00	0.00	0.83	632.29
19	74.19	0.00	0.00	0.00	12.76	9257.40	19	0.00	0.00	0.00	0.00	0.86	617.25	19	0.00	0.00	0.00	0.00	0.88	631.41
20	74.19	0.00	0.00	0.00	11.90	9319.69	20	0.00	0.00	0.00	0.00	0.79	616.46	20	0.00	0.00	0.00	0.00	0.81	630.60
21	74.19	0.00	0.00	0.00	6.81	9387.07	21	0.00	0.00	0.00	0.00	0.45	616.01	21	0.00	0.00	0.00	0.00	0.46	630.14
22	74.19	0.00	0.00	0.00	6.91	9454.35	22	0.00	0.00	0.00	0.00	0.45	615.56	22	0.00	0.00	0.00	0.00	0.46	629.68
23	74.02	0.00	0.00	0.00	7.02	9521.35	23	0.00	0.00	0.00	0.00	0.46	615.10	23	0.00	0.00	0.00	0.00	0.47	629.21
24	74.01	0.00	0.00	0.00	7.39	9587.97	24	0.00	0.00	0.00	0.00	0.48	614.62	24	0.00	0.00	0.00	0.00	0.49	628.72
25	74.03	0.00	0.00	0.00	4.09	9657.91	25	0.00	0.00	0.00	0.00	0.26	614.36	25	0.00	0.00	0.00	0.00	0.27	628.45
26	74.02	0.00	0.00	0.00	5.01	9726.92	26	0.00	0.00	0.00	0.00	0.32	614.04	26	0.00	0.00	0.00	0.00	0.33	628.12
27	74.02	0.00	0.00	313.76	10.16	9477.02	27	0.00	0.00	0.00	313.76	0.64	299.64	27	0.00	0.00	0.00	0.00	0.66	627.46
28	74.02	0.00	0.00	549.66	2.44	8998.94	28	0.00	0.00	0.00	299.56	0.08	0.00	28	0.00	0.00	0.00	0.00	0.16	627.30
29	74.02	37.79	37.79	443.25	3.29	8626.42	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.23	627.07
30	74.02	23.83	23.83	358.07	3.18	8339.19	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	23.83	0.00	0.00	0.23	650.67
2112.73 362.49 362.49 1683.29 218.65							0.00 0.00 0.00 613.32 14.75							0.00 324.69 0.00 0.00 13.57						

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						7873.93							6406.31							500.00
1	0.00	0.00	0.01	0.00	4.46	7869.46	1	0.00	0.00	0.01	0.00	3.63	6402.67	1	0.00	0.00	0.00	0.00	0.28	499.72
2	71.73	0.00	0.00	0.00	4.82	7936.37	2	71.73	0.00	0.00	0.00	3.92	6470.48	2	0.00	0.00	0.00	0.00	0.31	499.41
3	71.65	0.00	0.00	0.00	4.49	8003.53	3	71.65	0.00	0.00	0.00	3.66	6538.47	3	0.00	0.00	0.00	0.00	0.28	499.13
4	70.71	0.00	0.00	0.00	15.03	8059.21	4	70.71	0.00	0.00	0.00	12.27	6596.91	4	0.00	0.00	0.00	0.00	0.94	498.19
5	71.86	0.00	0.00	0.00	3.20	8127.87	5	71.86	0.00	0.00	0.00	2.62	6666.15	5	0.00	0.00	0.00	0.00	0.20	497.99
6	71.52	0.00	0.00	0.00	7.49	8191.90	6	71.52	0.00	0.00	0.00	6.14	6731.53	6	0.00	0.00	0.00	0.00	0.46	497.53
7	70.15	0.00	0.00	0.00	6.10	8255.95	7	70.15	0.00	0.00	0.00	5.01	6796.67	7	0.00	0.00	0.00	0.00	0.37	497.16
8	71.66	0.00	0.00	0.00	3.19	8324.42	8	71.66	0.00	0.00	0.00	2.63	6865.70	8	0.00	0.00	0.00	0.00	0.19	496.97
9	71.66	0.00	0.00	0.00	3.14	8392.94	9	71.66	0.00	0.00	0.00	2.58	6934.78	9	0.00	0.00	0.00	0.00	0.19	496.78
10	71.66	300.86	300.86	0.00	2.88	8461.72	10	71.66	0.00	300.86	0.00	2.38	6703.20	10	0.00	0.00	0.00	0.00	0.17	496.61
11	71.80	0.00	0.00	0.00	21.60	8511.92	11	71.80	0.00	0.00	0.00	17.11	6757.89	11	0.00	0.00	0.00	0.00	1.27	495.34
12	72.10	0.00	0.00	0.00	5.45	8578.57	12	72.10	0.00	0.00	0.00	4.32	6825.67	12	0.00	0.00	0.00	0.00	0.32	495.02
13	71.64	0.00	0.00	0.00	10.98	8639.23	13	71.64	0.00	0.00	0.00	8.74	6888.57	13	0.00	0.00	0.00	0.00	0.63	494.39
14	71.30	0.00	0.00	0.00	6.36	8704.17	14	71.30	0.00	0.00	0.00	5.07	6954.80	14	0.00	0.00	0.00	0.00	0.36	494.03
15	71.80	0.00	0.00	0.00	7.60	8768.37	15	71.80	0.00	0.00	0.00	6.08	7020.52	15	0.00	0.00	0.00	0.00	0.43	493.60
16	74.19	0.00	0.00	0.00	7.60	8834.96	16	74.19	0.00	0.00	0.00	6.08	7088.63	16	0.00	0.00	0.00	0.00	0.43	493.17
17	74.19	0.00	0.00	0.00	7.90	8901.25	17	74.19	0.00	0.00	0.00	6.34	7156.48	17	0.00	0.00	0.00	0.00	0.44	492.73
18	74.19	0.00	0.00	0.00	11.68	8963.76	18	74.19	0.00	0.00	0.00	9.39	7221.28	18	0.00	0.00	0.00	0.00	0.65	492.08
19	74.19	0.00	0.00	0.00	12.44	9025.51	19	74.19	0.00	0.00	0.00	10.02	7285.45	19	0.00	0.00	0.00	0.00	0.68	491.40
20	74.19	0.00	0.00	0.00	11.60	9088.10	20	74.19	0.00	0.00	0.00	9.37	7350.27	20	0.00	0.00	0.00	0.00	0.63	490.77
21	74.19	0.00	0.00	0.00	6.64	9155.65	21	74.19	0.00	0.00	0.00	5.37	7419.09	21	0.00	0.00	0.00	0.00	0.36	490.41
22	74.19	0.00	0.00	0.00	6.74	9223.10	22	74.19	0.00	0.00	0.00	5.47	7487.81	22	0.00	0.00	0.00	0.00	0.36	490.05
23	74.02	0.00	0.00	0.00	6.85	9290.27	23	74.02	0.00	0.00	0.00	5.56	7556.27	23	0.00	0.00	0.00	0.00	0.36	489.69
24	74.01	0.00	0.00	0.00	7.21	9357.07	24	74.01	0.00	0.00	0.00	5.86	7624.42	24	0.00	0.00	0.00	0.00	0.38	489.31
25	74.03	0.00	0.00	0.00	4.00	9427.10	25	74.03	0.00	0.00	0.00	3.26	7695.19	25	0.00	0.00	0.00	0.00	0.21	489.10
26	74.02	0.00	0.00	0.00	4.89	9496.23	26	74.02	0.00	0.00	0.00	3.99	7765.22	26	0.00	0.00	0.00	0.00	0.25	488.85
27	74.02	0.00	0.00	313.76	9.92	9246.57	27	74.02	0.00	0.00	0.00	8.11	7831.13	27	0.00	0.0				

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						254.47							57.60
1	0.00	0.01	0.00	18.55	0.14	235.79	1	0.00	0.00	0.00	0.00	0.03	57.57
2	0.00	0.00	0.00	0.00	0.15	235.64	2	0.00	0.00	0.00	0.00	0.04	57.53
3	0.00	0.00	0.00	0.00	0.13	235.51	3	0.00	0.00	0.00	0.00	0.03	57.50
4	0.00	0.00	0.00	0.00	0.44	235.07	4	0.00	0.00	0.00	0.00	0.11	57.39
5	0.00	0.00	0.00	0.00	0.09	234.98	5	0.00	0.00	0.00	0.00	0.02	57.37
6	0.00	0.00	0.00	0.00	0.21	234.77	6	0.00	0.00	0.00	0.00	0.05	57.32
7	0.00	0.00	0.00	0.00	0.17	234.60	7	0.00	0.00	0.00	0.00	0.04	57.28
8	0.00	0.00	0.00	0.00	0.09	234.51	8	0.00	0.00	0.00	0.00	0.02	57.26
9	0.00	0.00	0.00	0.00	0.09	234.42	9	0.00	0.00	0.00	0.00	0.02	57.24
10	0.00	0.00	0.00	0.00	0.08	234.34	10	0.00	0.00	0.00	0.00	0.02	57.22
11	0.00	0.00	0.00	0.00	0.60	233.74	11	0.00	0.00	0.00	0.00	0.15	57.07
12	0.00	0.00	0.00	0.00	0.15	233.59	12	0.00	0.00	0.00	0.00	0.04	57.03
13	0.00	0.00	0.00	0.00	0.30	233.29	13	0.00	0.00	0.00	0.00	0.07	56.96
14	0.00	0.00	0.00	0.00	0.17	233.12	14	0.00	0.00	0.00	0.00	0.04	56.92
15	0.00	0.00	0.00	0.00	0.20	232.92	15	0.00	0.00	0.00	0.00	0.05	56.87
16	0.00	0.00	0.00	0.00	0.20	232.72	16	0.00	0.00	0.00	0.00	0.05	56.82
17	0.00	0.00	0.00	0.00	0.21	232.51	17	0.00	0.00	0.00	0.00	0.05	56.77
18	0.00	0.00	0.00	0.00	0.30	232.21	18	0.00	0.00	0.00	0.00	0.07	56.70
19	0.00	0.00	0.00	0.00	0.32	231.89	19	0.00	0.00	0.00	0.00	0.08	56.62
20	0.00	0.00	0.00	0.00	0.30	231.59	20	0.00	0.00	0.00	0.00	0.07	56.55
21	0.00	0.00	0.00	0.00	0.17	231.42	21	0.00	0.00	0.00	0.00	0.04	56.51
22	0.00	0.00	0.00	0.00	0.17	231.25	22	0.00	0.00	0.00	0.00	0.04	56.47
23	0.00	0.00	0.00	0.00	0.17	231.08	23	0.00	0.00	0.00	0.00	0.04	56.43
24	0.00	0.00	0.00	0.00	0.18	230.90	24	0.00	0.00	0.00	0.00	0.04	56.39
25	0.00	0.00	0.00	0.00	0.09	230.81	25	0.00	0.00	0.00	0.00	0.02	56.37
26	0.00	0.00	0.00	0.00	0.12	230.69	26	0.00	0.00	0.00	0.00	0.03	56.34
27	0.00	0.00	0.00	0.00	0.24	230.45	27	0.00	0.00	0.00	0.00	0.06	56.28
28	0.00	0.00	0.00	0.00	0.05	230.40	28	0.00	0.00	0.00	0.00	0.01	56.27
29	0.00	0.00	0.00	0.00	0.08	230.32	29	0.00	0.00	0.00	0.00	0.02	56.25
30	0.00	0.00	23.83	0.00	0.08	206.41	30	0.00	0.00	2.89	0.00	0.02	53.34
	0.00	0.01	23.83	18.55	5.69		0.00	0.00	2.89	0.00	1.37		

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						178.32							18.55
1	0.00	0.00	0.00	0.00	0.10	178.22	1	0.00	0.01	0.00	18.55	0.01	0.00
2	0.00	0.00	0.00	0.00	0.11	178.11	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.10	178.01	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.33	177.68	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.07	177.61	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.16	177.45	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.13	177.32	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.07	177.25	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.07	177.18	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.06	177.12	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.45	176.67	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.11	176.56	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.23	176.33	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.13	176.20	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.15	176.05	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.15	175.90	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.16	175.74	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.23	175.51	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.24	175.27	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.23	175.04	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.13	174.91	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.13	174.78	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.13	174.65	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.14	174.51	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.07	174.44	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.09	174.35	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.18	174.17	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.04	174.13	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.06	174.07	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	20.94	0.00	0.06	153.07	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	20.94	0.00	4.31		0.00	0.01	0.00	18.55	0.01		



# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

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July 19, 2005



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Kansas Chief Engineer  
Kansas Board of Agriculture  
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Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
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Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

RE: Monthly Report of Colorado Pumping and Offset Account Operations for May 2005

Dear Mr. Pope and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of May, 2005.

Table 1 shows the amount of pumping during the month of May 2005 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on each of the days in May. Also note that

in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 77% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 24 of the 31 days in May. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

A release of water continued from the Offset Account from May 1, 2005 through May 25, 2005. A total of 9906.76 acre-feet was released from May 1-25, 2005. This operation was described in a separate letter to you dated July 1, 2005.

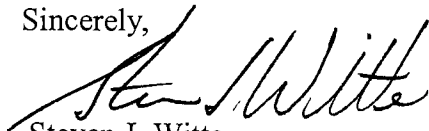
Deliveries of water to the Offset Account continued during the month of May 2005 by LAWMA using consumptive use credits from their ownership in the Highland Canal and the Keesee Ditch. The delivery netted 1579.17 acre-feet of fully consumable water into the Offset Account during May 2005. **LAWMA would like to use a portion of their Highland Canal consumable deliveries to the Offset Account to begin to build the 500 AF storage charge amount for the 2006 season. This would likely begin August 1, 2005 subject to flows on the Purgatoire River. Please provide input on this possibility at your earliest convenience.** Also during the month of May three transfers of water occurred on behalf of LAWMA. These transfers occurred on May 1, 2005 (679.71 acre-feet total with 432.31 acre-feet consumable), May 13, 2005 (1535.4 acre-feet total with 900.58 acre-feet consumable) and on May 26, 2005 (418.72 acre-feet total with 266.32 acre-feet consumable). Each of these transfers was described in separate letters to you dated July 1, 2005.

The Arkansas Groundwater Users Association (AGUA) began a delivery of consumable water to the Offset Account from their Excelsior Ditch water right. The delivery began to arrive at John Martin Reservoir on May 29, 2005 and netted 61.6 acre-feet of consumable water in the Offset Account during May. The delivery continued into June and netted an additional 211.2 acre-feet of delivery in June.

As of May 31, 2005, a total of 2506.97 acre-feet were stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of May is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte

Division Engineer

Colorado Division of Water Resources

cc:	Kevin Salter	Robin Jennison	John Draper	Monique Morey	
	Randy Hayzlett	Dale Book	David A. Brenn	Carol Angel	
	Hal Simpson	Rod Kuharich	Dennis Montgomery	Jim Slattery	Mark Rude
	Thomas R. Pointon	James G. Rogers	Dale Straw	Bill Tyner	Joe Flory

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**May 2005**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	556.38	272.26
2	BOOTH ORCHARD	29.65	20.78
3	EXCELSIOR	190.53	127.53
4	COLLIER	39.78	18.71
5	COLORADO	79.67	33.19
6	ROCKY FORD HIGHLINE	347.78	140.00
7	OXFORD	86.21	41.28
8	OTERO	5.59	2.22
9	CATLIN	797.91	553.90
10	FORT LYON US	628.17	286.35
11	ROCKY FORD	226.00	177.47
12	HOLBROOK	661.15	317.21
13	LAS ANIMAS CONSOLIDATED	183.10	84.22
14	BALDWIN-STUBBS	496.79	250.02
15	FORT BENT	20.28	11.47
16	KEESE	110.60	66.11
17	AMITY	803.55	1587.71
18	LAMAR/MANVEL	324.22	142.71
19	HYDE	69.40	29.92
20	FORT LYON DS	582.82	298.80
21	XY GRAHAM	2.42	0.94
22	BUFFALO	146.38	61.12
23	SISSON	0.14	0.14
24	STATELINE SOLE SOURCE	1034.40	675.72
600	LAWMA A.P.D.	144.94	59.82
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	15.50	11.63
	Totals	<b>7583.36</b>	<b>5271.23</b>





Enclosure 1

John Martin Offset Accounting for May 2005

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						8339.19							0.00							650.67
1	74.02	679.71	0.00	357.03	3.33	8732.56	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.26	650.41
2	51.28	0.77	0.77	401.66	4.12	8378.06	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.31	650.10
3	51.26	0.77	0.77	436.37	5.94	7987.01	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.46	649.64
4	51.26	0.77	0.77	436.37	6.29	7595.61	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.51	649.13
5	51.26	0.77	0.77	436.37	8.85	7201.65	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.76	648.37
6	51.26	0.77	0.77	436.37	7.68	6808.86	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	436.37	0.69	211.31
7	51.26	0.77	0.77	436.37	7.38	6416.37	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	211.08	0.23	0.00
8	51.26	0.77	0.77	436.37	6.97	6024.29	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	51.29	0.77	0.77	414.06	9.31	5652.21	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	51.26	0.77	0.77	396.70	8.17	5298.60	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	51.26	0.77	0.77	396.70	11.82	4941.34	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	51.26	0.77	0.77	396.70	6.34	4589.56	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	51.26	1536.17	0.77	396.70	1.30	5778.23	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	51.26	0.77	0.77	396.70	1.65	5431.14	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	49.85	0.77	0.77	396.70	1.58	5082.71	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	49.35	0.77	0.77	396.70	6.48	4728.88	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	49.42	0.77	0.77	396.70	10.26	4371.34	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	47.87	0.77	0.77	396.70	6.02	4016.49	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	46.63	0.77	0.77	396.70	5.27	3661.15	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	48.96	0.77	0.77	396.70	6.40	3307.01	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	48.96	0.77	0.77	396.70	5.86	2953.41	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	48.96	0.77	0.77	396.70	5.46	2600.21	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	46.04	0.77	0.77	396.70	3.53	2246.02	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	39.85	0.77	0.77	396.70	3.66	1885.51	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	46.28	0.77	0.77	165.29	1.63	1764.87	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	46.57	548.83	130.11	0.00	2.46	2227.69	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	129.34	0.00	0.00	0.00	129.34
27	46.74	0.77	0.77	0.00	2.69	2271.74	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.16	129.18
28	46.74	0.77	0.77	0.00	2.75	2315.73	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.16	129.02
29	66.14	1.74	1.74	0.00	2.82	2379.05	29	19.36	0.00	0.97	0.00	0.00	18.39	29	0.00	0.00	0.00	0.00	0.16	128.86
30	67.92	1.83	1.83	0.00	2.91	2444.06	30	21.12	0.00	1.06	0.00	0.02	38.43	30	0.00	0.00	0.00	0.00	0.16	128.70
31	65.45	31.88	31.88	0.00	2.54	2506.97	31	21.12	0.00	1.06	0.00	0.04	58.45	31	0.00	30.14	0.00	0.00	0.13	158.71
1602.18 2819.41 185.58 9906.76 161.47							61.60 0.00 3.09 0.00 0.06							0.00 159.48 0.00 647.45 3.99						

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						8132.78							6956.48							525.63
1	74.02	432.31	0.00	357.03	3.25	8278.83	1	74.02	432.31	0.00	357.03	2.78	7103.00	1	0.00	0.00	0.00	0.00	0.21	525.42
2	51.28	0.00	0.77	401.66	3.91	7923.77	2	51.28	0.00	0.77	401.66	3.35	6748.50	2	0.00	0.00	0.00	0.00	0.25	525.17
3	51.26	0.00	0.77	436.37	5.62	7532.27	3	51.26	0.00	0.77	436.37	4.79	6357.83	3	0.00	0.00	0.00	0.00	0.37	524.80
4	51.26	0.00	0.77	436.37	5.94	7140.45	4	51.26	0.00	0.77	436.37	5.02	5966.93	4	0.00	0.00	0.00	0.00	0.41	524.39
5	51.26	0.00	0.77	436.37	8.32	6746.25	5	51.26	0.00	0.77	436.37	6.95	5574.10	5	0.00	0.00	0.00	0.00	0.61	523.78
6	51.26	0.00	0.77	436.37	7.20	6353.17	6	51.26	0.00	0.77	0.00	5.95	5618.64	6	0.00	0.00	0.00	0.00	0.56	523.22
7	51.26	0.00	0.77	436.37	6.89	5960.40	7	51.26	0.00	0.77	225.29	6.09	5437.75	7	0.00	0.00	0.00	0.00	0.57	522.65
8	51.26	0.00	0.77	436.37	6.47	5568.05	8	51.26	0.00	0.77	436.37	5.90	5045.97	8	0.00	0.00	0.00	0.00	0.57	522.08
9	51.29	0.00	0.77	414.06	8.61	5195.90	9	51.29	0.00	0.77	414.06	7.80	4674.63	9	0.00	0.00	0.00	0.00	0.81	521.27
10	51.26	0.00	0.77	396.70	7.51	4842.18	10	51.26	0.00	0.77	396.70	6.76	4321.66	10	0.00	0.00	0.00	0.00	0.75	520.52
11	51.26	0.00	0.77	396.70	10.80	4485.17	11	51.26	0.00	0.77	396.70	9.64	3965.81	11	0.00	0.00	0.00	0.00	1.16	519.36
12	51.26	0.00	0.77	396.70	5.76	4133.20	12	51.26	0.00	0.77	396.70	5.09	3614.51	12	0.00	0.00	0.00	0.00	0.67	518.69
13	51.26	900.58	0.77	396.70	1.17	4686.40	13	51.26	900.58	0.77	396.70	1.02	4167.86	13	0.00	0.00	0.00	0.00	0.15	518.54
14	51.26	0.00	0.77	396.70	1.34	4338.85	14	51.26	0.00	0.77	396.70	1.19	3820.46	14	0.00	0.00	0.00	0.00	0.15	518.39
15	49.85	0.00	0.77	396.70	1.26	3989.97	15	49.85	0.00	0.77	396.70	1.11	3471.73	15	0.00	0.00	0.00	0.00	0.15	518.24
16	49.35	0.00	0.77	396.70	5.09	3636.76	16	49.35	0.00	0.77	396.70	4.43	3119.18	16	0.00	0.00	0.00	0.00	0.66	517.58
17	49.42	0.00	0.77	396.70	7.89	3280.82	17	49.42	0.00	0.77	396.70	6.77	2764.36	17	0.00	0.00	0.00	0.00	1.12	516.46
18	47.87	0.00	0.77	396.70	4.52	2926.70	18	47.87	0.00	0.77	396.70	3.81	2410.95	18	0.00	0.00	0.00	0.00	0.71	515.75
19	46.63	0.00	0.77	396.70	3.84	2572.02	19	46.63	0.00	0.77	396.70	3.16	2056.95	19	0.00	0.00	0.00	0.00	0.68	515.07
20	48.96	0.00	0.77	396.70	4.50	2219.01	20	48.96	0.00	0.77	396.70	3.60	1704.84	20	0.00	0.00	0.00	0.00	0.90	514.17
21	48.96	0.00	0.77	396.70	3.93	1866.57	21	48.96	0.00	0.77	396.70	3.02	1353.31	21	0.00	0.00	0.00	0.00	0.91	513.26
22	48.96	0.00	0.77	396.70	3.45	1514.61	22	48.96	0.00	0.77	396.70	2.50	1002.30	22	0.00	0.00	0.00	0.00	0.95	512.31
23	46.04	0.00	0.77	396.70	2.06	1161.12	23	46.04	0.00	0.77	396.70	1.36	649.51	23	0.00	0.00	0.00	0.00	0.70	511.61
24	39.85	0.00	0.77	396.70	1.89	801.61	24	39.85	0.00	0.77	396.70	1.06	290.83	24	0.00	0.00	0.00	0.00	0.83	510.78
25	46.28	0.00	0.77	165.29	0.69	681.14	25	46.28	0.00	0.77	165.29	0.25	170.80	25	0.00	0.00	0.00	0.00	0.44	510.34
26	46.57	395.66	130.11	0.00	0.95	992.31	26	46.57	266.32	130.11	0.00									

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1	0.00	247.40	0.00	0.00	0.08	206.41	1	0.00	13.59	0.00	0.00	0.02	53.34
2	0.00	0.77	0.00	0.00	0.21	453.73	2	0.00	0.00	0.00	0.00	0.03	66.91
3	0.00	0.77	0.00	0.00	0.32	454.29	3	0.00	0.00	0.00	0.00	0.05	66.88
4	0.00	0.77	0.00	0.00	0.35	454.74	4	0.00	0.00	0.00	0.00	0.05	66.83
5	0.00	0.77	0.00	0.00	0.53	455.16	5	0.00	0.00	0.00	0.00	0.08	66.78
6	0.00	0.77	0.00	0.00	0.48	455.40	6	0.00	0.00	0.00	0.00	0.07	66.70
7	0.00	0.77	0.00	0.00	0.49	455.69	7	0.00	0.00	0.00	0.00	0.07	66.63
8	0.00	0.77	0.00	0.00	0.50	455.97	8	0.00	0.00	0.00	0.00	0.07	66.56
9	0.00	0.77	0.00	0.00	0.70	456.24	9	0.00	0.00	0.00	0.00	0.10	66.49
10	0.00	0.77	0.00	0.00	0.66	456.31	10	0.00	0.00	0.00	0.00	0.10	66.39
11	0.00	0.77	0.00	0.00	1.02	456.42	11	0.00	0.00	0.00	0.00	0.15	66.29
12	0.00	0.77	0.00	0.00	0.58	456.17	12	0.00	0.00	0.00	0.00	0.08	66.14
13	0.00	635.59	0.00	0.00	0.13	456.36	13	0.00	168.59	0.00	0.00	0.02	66.06
14	0.00	0.77	0.00	0.00	0.31	1091.82	14	0.00	0.00	0.00	0.00	0.07	234.63
15	0.00	0.77	0.00	0.00	0.32	1092.28	15	0.00	0.00	0.00	0.00	0.07	234.56
16	0.00	0.77	0.00	0.00	1.39	1092.73	16	0.00	0.00	0.00	0.00	0.30	234.49
17	0.00	0.77	0.00	0.00	2.37	1092.11	17	0.00	0.00	0.00	0.00	0.51	234.19
18	0.00	0.77	0.00	0.00	1.50	1090.51	18	0.00	0.00	0.00	0.00	0.32	233.68
19	0.00	0.77	0.00	0.00	1.43	1089.78	19	0.00	0.00	0.00	0.00	0.31	233.36
20	0.00	0.77	0.00	0.00	1.90	1089.12	20	0.00	0.00	0.00	0.00	0.41	233.05
21	0.00	0.77	0.00	0.00	1.93	1087.99	21	0.00	0.00	0.00	0.00	0.41	232.64
22	0.00	0.77	0.00	0.00	2.01	1086.83	22	0.00	0.00	0.00	0.00	0.43	232.23
23	0.00	0.77	0.00	0.00	2.01	1085.59	23	0.00	0.00	0.00	0.00	0.31	231.80
24	0.00	0.77	0.00	0.00	1.47	1084.89	24	0.00	0.00	0.00	0.00	0.38	231.49
25	0.00	0.77	0.00	0.00	1.77	1083.89	25	0.00	0.00	0.00	0.00	0.20	231.11
26	0.00	0.77	0.00	0.00	0.94	1083.72	26	0.00	0.00	0.00	0.00	0.32	230.91
27	0.00	153.17	0.00	0.00	1.51	1083.99	27	0.00	8.37	0.00	0.00	0.32	238.96
28	0.00	0.77	0.00	0.00	1.49	1234.66	28	0.00	0.00	0.00	0.00	0.29	238.67
29	0.00	0.77	0.00	0.00	1.49	1233.94	29	0.00	0.00	0.00	0.00	0.29	238.38
30	0.00	0.77	0.00	0.00	1.50	1233.21	30	0.00	0.00	0.00	0.00	0.29	238.09
31	0.00	0.77	0.00	0.00	1.51	1232.47	31	0.00	0.00	0.00	0.00	0.29	237.80
	0.00	0.68	30.14	0.00	1.28	1201.73	31	0.00	0.00	3.78	0.00	0.25	233.77
0.00 1057.63 30.14 0.00 32.17							0.00 190.55 3.78 0.00 6.34						

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1	0.00	233.81	0.00	0.00	0.06	153.07	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.18	386.82	2	0.00	0.77	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.27	386.64	3	0.00	0.77	0.00	0.00	0.00	0.77
4	0.00	0.00	0.00	0.00	0.30	386.37	4	0.00	0.77	0.00	0.00	0.00	1.54
5	0.00	0.00	0.00	0.00	0.45	386.07	5	0.00	0.77	0.00	0.00	0.00	2.31
6	0.00	0.00	0.00	0.00	0.41	385.62	6	0.00	0.77	0.00	0.00	0.00	3.08
7	0.00	0.00	0.00	0.00	0.42	385.21	7	0.00	0.77	0.00	0.00	0.00	3.85
8	0.00	0.00	0.00	0.00	0.42	384.79	8	0.00	0.77	0.00	0.00	0.01	4.62
9	0.00	0.00	0.00	0.00	0.59	384.37	9	0.00	0.77	0.00	0.00	0.01	5.38
10	0.00	0.00	0.00	0.00	0.55	383.78	10	0.00	0.77	0.00	0.00	0.01	6.14
11	0.00	0.00	0.00	0.00	0.85	383.23	11	0.00	0.77	0.00	0.00	0.02	6.90
12	0.00	0.00	0.00	0.00	0.49	382.38	12	0.00	0.77	0.00	0.00	0.01	7.65
13	0.00	466.23	0.00	0.00	0.11	381.89	13	0.00	0.77	0.00	0.00	0.01	8.41
14	0.00	0.00	0.00	0.00	0.24	848.01	14	0.00	0.77	0.00	0.00	0.00	9.18
15	0.00	0.00	0.00	0.00	0.25	847.77	15	0.00	0.77	0.00	0.00	0.00	9.95
16	0.00	0.00	0.00	0.00	1.08	847.52	16	0.00	0.77	0.00	0.00	0.01	10.72
17	0.00	0.00	0.00	0.00	1.84	846.44	17	0.00	0.77	0.00	0.00	0.02	11.48
18	0.00	0.00	0.00	0.00	1.16	844.60	18	0.00	0.77	0.00	0.00	0.02	12.23
19	0.00	0.00	0.00	0.00	1.10	843.44	19	0.00	0.77	0.00	0.00	0.02	12.98
20	0.00	0.00	0.00	0.00	1.47	842.34	20	0.00	0.77	0.00	0.00	0.02	13.73
21	0.00	0.00	0.00	0.00	1.49	840.87	21	0.00	0.77	0.00	0.00	0.03	14.48
22	0.00	0.00	0.00	0.00	1.55	839.38	22	0.00	0.77	0.00	0.00	0.03	15.22
23	0.00	0.00	0.00	0.00	1.14	837.83	23	0.00	0.77	0.00	0.00	0.02	15.96
24	0.00	0.00	0.00	0.00	1.36	836.69	24	0.00	0.77	0.00	0.00	0.03	16.71
25	0.00	0.00	0.00	0.00	0.72	835.33	25	0.00	0.77	0.00	0.00	0.02	17.45
26	0.00	144.03	0.00	0.00	1.16	834.61	26	0.00	0.77	0.00	0.00	0.02	18.20
27	0.00	0.00	0.00	0.00	1.18	977.48	27	0.00	0.77	0.00	0.00	0.03	18.94
28	0.00	0.00	0.00	0.00	1.18	976.30	28	0.00	0.77	0.00	0.00	0.02	19.69
29	0.00	0.00	0.00	0.00	1.19	975.12	29	0.00	0.77	0.00	0.00	0.02	20.44
30	0.00	0.00	0.00	0.00	1.19	973.93	30	0.00	0.77	0.00	0.00	0.02	21.19
31	0.00	0.00	26.36	0.00	1.01	972.74	31	0.00	0.68	0.00	0.00	0.03	21.93
						945.37	31	0.00	0.68	0.00	0.00	0.02	22.59
0.00 844.07 26.36 0.00 25.41							0.00 23.01 0.00 0.00 0.42						



# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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September 19, 2005

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901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for June 2005

Dear Mr. Pope and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of June, 2005.

Table 1 shows the amount of pumping during the month of June 2005 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on each of the days in June. Also note that

in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 60% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 18 of the 30 days in June. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

A release of water was made from the Offset Account from June 11, 2005 through June 21, 2005. A total of 5248.06 acre-feet was released. This operation has not been described in a separate letter to you pending possible agreement on Offset Account release crediting between the Kansas Chief Engineer and the Colorado State Engineer, but will be provided as soon as disposition of the AGREEMENT CONCERNING THE OFFSET ACCOUNT IN JOHN MARTIN RESERVOIR FOR COLORADO PUMPING is known.

Deliveries of water to the Offset Account continued during the month of June 2005 by LAWMA using consumptive use credits from their ownership in the Highland Canal and the Keesee Ditch. The delivery netted 1855.26 acre-feet of fully consumable water into the Offset Account during June 2005. **LAWMA began using a portion of their Highland Canal consumable deliveries to the Offset Account to begin to build the 500 AF storage charge amount for the 2006 season on August 1, 2005.**

The Arkansas Groundwater Users Association (AGUA) completed a delivery of consumable water to the Offset Account from their Excelsior Ditch water right. The delivery began to arrive at John Martin Reservoir on May 29, 2005 and netted 211.2 acre-feet of consumable water in the Offset Account during June. The total delivery netted 272.8 acre-feet as reported to you in a July 19, 2005 letter.

Also during the month of June two transfers of water occurred. The first was on behalf of LAWMA and well associations upstream of John Martin Reservoir, while the second was initiated solely by LAWMA. These transfers each occurred on June 15, 2005. The first transfer involved 1004 acre-feet of fully consumable water for stateline deficit replacement as described in my July 20, 2005 letter to you. The second involved a transfer of 226.86 acre-feet of which 136.78 acre-feet was fully consumable from LAWMA's X-Y, Stubbs and Keesee Section II accounts. This transfer was reported to you in my July 21, 2005 letter.

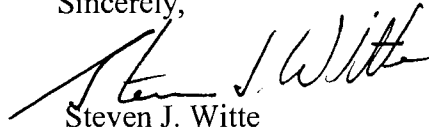
As of June 30, 2005, a total of 476.09 acre-feet were stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of June is attached at Enclosure 1.

Mr. David L. Pope and Ms. Stephanie Gonzales  
September 19, 2005

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Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte

Division Engineer

Colorado Division of Water Resources

cc: Kevin Salter Robin Jennison John Draper Monique Morey  
Randy Hayzlett Dale Book David A. Brenn Carol Angel  
Hal Simpson Rod Kuharich Dennis Montgomery Jim Slattery Mark Rude  
Thomas R. Pointon James G. Rogers Dale Straw Bill Tyner Joe Flory

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**June 2005**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	841.97	397.21
2	BOOTH ORCHARD	32.66	19.33
3	EXCELSIOR	217.21	149.93
4	COLLIER	66.88	31.13
5	COLORADO	134.89	61.52
6	ROCKY FORD HIGHLINE	210.10	90.35
7	OXFORD	75.56	52.35
8	OTERO	35.36	14.37
9	CATLIN	1171.65	734.64
10	FORT LYON US	624.37	319.94
11	ROCKY FORD	313.80	240.14
12	HOLBROOK	542.01	273.01
13	LAS ANIMAS CONSOLIDATED	237.86	107.47
14	BALDWIN-STUBBS	710.73	360.42
15	FORT BENT	251.03	125.40
16	KEESE	135.71	79.29
17	AMITY	783.08	423.09
18	LAMAR/MANVEL	318.70	142.48
19	HYDE	8.17	3.19
20	FORT LYON DS	337.70	181.00
21	XY GRAHAM	130.83	84.93
22	BUFFALO	15.79	10.20
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	477.11	312.99
600	LAWMA A.P.D.	179.34	77.80
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	48.61	36.46
	Totals	<b>7901.12</b>	<b>4328.64</b>



**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**June 2005**

		USER NUMBER											
15	16	17	18	19	20	21	22	23	24	25	26	27	Total
42	0	11	0	0	16	0	0	0	29	98			

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**June 2005**

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum	Credit to Next Month
Balance Forward from May05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remaining Depletion	0.00	0.00	0.00	30.15	19.92	21.72	105.19	329.51	1.90	508.39	
Depletion to Usable SL Flow	0.00	0.00	0.00	24.69	16.32	17.79	86.15	269.87	1.56	416.37	
Replacements	Carry Forward Credit										
FRY-ARK Return Flows	0.00	0.00	0.00	0.00						0.00	0.00
LAWMA-Lamar Center Farm	0.00				0.00					0.00	0.00
LAWMA-Ft Bent Ditch Shares	0.00			0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00							68.00		68.00	0.00
LAWMA-XY Direct Flow	136.28				213.14					349.42	786.86
LAWMA-Manvel Direct Flow	0.00				0.00					0.00	88.30
Offset Account Release Credit*	10034.80									0.00	10034.80
Offset Account Water	0.00									0.00	0.00
Total Replacements	0.00	0.00	0.00	0.00	213.14	0.00	0.00	68.00	0.00	417.42	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

\* Subject to change pending finalization of AGREEMENT CONCERNING THE OFFSET ACCOUNT IN JOHN MARTIN RESERVOIR FOR COLORADO PUMPING

Enclosure 1

John Martin Offset Accounting for June 2005

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2506.97							58.45							158.71
1	51.10	1.06	1.06	0.00	2.67	2555.40	1	21.12	0.00	1.06	0.00	0.06	78.45	1	0.00	0.00	0.00	0.00	0.17	158.54
2	136.26	1.98	1.98	0.00	3.08	2688.58	2	21.12	0.00	1.06	0.00	0.09	98.42	2	0.00	0.00	0.00	0.00	0.19	158.35
3	154.59	2.72	2.72	0.00	3.53	2839.64	3	21.12	0.00	1.06	0.00	0.13	118.35	3	0.00	0.00	0.00	0.00	0.21	158.14
4	154.59	2.72	2.72	0.00	3.70	2990.53	4	21.12	0.00	1.06	0.00	0.15	138.26	4	0.00	0.00	0.00	0.00	0.21	157.93
5	138.86	2.14	2.14	0.00	3.99	3125.40	5	21.12	0.00	1.06	0.00	0.18	158.14	5	0.00	0.00	0.00	0.00	0.21	157.72
6	109.40	0.00	0.00	0.00	6.28	3228.52	6	21.12	0.00	0.00	0.00	0.32	178.94	6	0.00	0.00	0.00	0.00	0.32	157.40
7	109.18	1.06	1.06	0.00	9.20	3328.50	7	21.12	0.00	1.06	0.00	0.51	198.49	7	0.00	0.00	0.00	0.00	0.45	156.95
8	51.91	1.06	1.06	0.00	6.08	3374.33	8	21.12	0.00	1.06	0.00	0.36	218.19	8	0.00	0.00	0.00	0.00	0.29	156.66
9	48.74	1.06	1.06	0.00	5.09	3417.98	9	21.12	0.00	1.06	0.00	0.33	237.92	9	0.00	0.00	0.00	0.00	0.24	156.42
10	48.44	1.06	1.06	0.00	2.83	3463.59	10	21.12	0.00	1.06	0.00	0.20	257.78	10	0.00	0.00	0.00	0.00	0.13	156.29
11	27.38	0.00	0.00	289.26	2.86	3198.85	11	0.00	0.00	0.00	0.00	0.21	257.57	11	0.00	0.00	0.00	156.16	0.13	0.00
12	27.60	0.00	0.00	495.88	2.86	2727.71	12	0.00	0.00	0.00	0.00	0.23	257.34	12	0.00	0.00	0.00	0.00	0.00	0.00
13	27.80	0.00	0.00	495.88	2.66	2256.97	13	0.00	0.00	0.00	0.00	0.25	257.09	13	0.00	0.00	0.00	0.00	0.00	0.00
14	27.79	0.00	0.00	495.88	4.32	1784.56	14	0.00	0.00	0.00	0.00	0.49	256.60	14	0.00	0.00	0.00	0.00	0.00	0.00
15	71.96	1358.74	127.88	495.88	2.06	2589.45	15	0.00	317.42	0.00	0.00	0.30	573.72	15	0.00	126.22	0.00	126.22	0.00	0.00
16	126.69	1.66	1.66	495.88	4.07	2216.19	16	0.00	0.00	0.00	0.00	0.90	572.82	16	0.00	0.00	0.00	0.00	0.00	0.00
17	114.42	1.19	1.19	495.88	3.94	1830.79	17	0.00	0.00	0.00	0.00	1.02	571.80	17	0.00	0.00	0.00	0.00	0.00	0.00
18	49.22	0.79	0.79	495.88	3.29	1380.84	18	0.00	0.00	0.00	0.00	1.03	570.77	18	0.00	0.00	0.00	0.00	0.00	0.00
19	49.25	0.79	0.79	495.88	2.61	931.60	19	0.00	0.00	0.00	0.00	1.08	569.69	19	0.00	0.00	0.00	0.00	0.00	0.00
20	49.24	0.79	0.79	495.88	1.37	483.59	20	0.00	0.00	0.00	495.88	0.84	72.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	49.25	0.79	0.79	495.88	0.99	35.97	21	0.00	0.00	0.00	72.82	0.15	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	49.00	0.79	0.79	0.00	0.09	84.88	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	48.74	0.79	0.79	0.00	0.17	133.45	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	49.10	0.79	0.79	0.00	0.26	182.29	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	49.72	0.79	0.79	0.00	0.35	231.66	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	49.72	0.79	0.79	0.00	0.45	280.93	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	49.89	0.79	0.79	0.00	0.64	330.18	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	49.49	0.79	0.79	0.00	0.79	378.88	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	49.43	0.79	0.79	0.00	0.60	427.71	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	49.32	0.79	0.79	0.00	0.94	476.09	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
2068.08	1386.72	155.86	5248.06	81.77			211.20	317.42	9.54	568.70	8.83			0.00	126.22	0.00	282.38	2.55		
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1305.24							581.45							506.63
1	51.10	1.06	1.06	0.00	1.39	1354.95	1	29.98	1.06	0.00	0.00	0.62	611.87	1	0.00	0.00	0.00	0.00	0.54	506.09
2	136.26	1.06	1.98	0.00	1.63	1488.66	2	115.14	1.06	0.92	0.00	0.74	726.41	2	0.00	0.00	0.00	0.00	0.61	505.48
3	154.59	1.06	2.72	0.00	1.95	1639.64	3	133.47	1.06	1.66	0.00	0.95	858.33	3	0.00	0.00	0.00	0.00	0.66	504.82
4	154.59	1.06	2.72	0.00	2.14	1790.43	4	133.47	1.06	1.66	0.00	1.12	990.08	4	0.00	0.00	0.00	0.00	0.66	504.16
5	138.86	1.06	2.14	0.00	2.38	1925.83	5	117.74	1.06	1.08	0.00	1.32	1106.48	5	0.00	0.00	0.00	0.00	0.67	503.49
6	109.40	0.00	0.00	0.00	3.87	2031.36	6	88.28	0.00	0.00	0.00	2.22	1192.54	6	0.00	0.00	0.00	0.00	1.01	502.48
7	109.18	1.06	1.06	0.00	5.79	2134.75	7	88.06	1.06	0.00	0.00	3.40	1278.26	7	0.00	0.00	0.00	0.00	1.43	501.05
8	51.91	1.06	1.06	0.00	3.90	2182.76	8	30.79	1.06	0.00	0.00	2.33	1307.78	8	0.00	0.00	0.00	0.00	0.92	500.13
9	48.74	1.06	1.06	0.00	3.29	2228.21	9	27.62	1.06	0.00	0.00	1.97	1334.49	9	0.00	0.00	0.00	0.00	0.75	499.38
10	48.44	1.06	1.06	0.00	1.85	2274.80	10	27.32	1.06	0.00	0.00	1.11	1361.76	10	0.00	0.00	0.00	0.00	0.41	498.97
11	27.38	0.00	0.00	289.26	1.88	2011.04	11	27.38	0.00	0.00	0.00	1.13	1388.01	11	0.00	0.00	0.00	133.10	0.41	365.46
12	27.60	0.00	0.00	365.13	1.80	1671.71	12	27.60	0.00	0.00	0.00	1.24	1414.37	12	0.00	0.00	0.00	365.13	0.33	0.00
13	27.80	0.00	0.00	0.00	1.63	1697.88	13	27.80	0.00	0.00	0.00	1.38	1440.79	13	0.00	0.00	0.00	0.00	0.00	0.00
14	27.79	0.00	0.00	0.00	3.25	1722.42	14	27.79	0.00	0.00	0.00	2.76	1465.82	14	0.00	0.00	0.00	0.00	0.00	0.00
15	71.96	1267.00	127.88	371.09	1.99	2560.43	15	71.96	823.36	127.88	244.87	1.69	1986.71	15	0.00	0.00	0.00	0.00	0.00	0.00
16	126.69	0.00	1.66	495.88	4.02	2185.56	16	126.69	0.00	1.66	495.88	3.12	1612.74	16	0.00	0.00	0.00	0.00	0.00	0.00
17	114.42	0.00	1.19	495.88	3.89	1799.02	17	114.42	0.00	1.19	495.88	2.87	1227.22	17	0.00	0.00	0.00	0.00	0.00	0.00
18	49.22	0.00	0.79	495.88	3.23	1348.34	18	49.22	0.00	0.79	495.88	2.20	777.57	18	0.00	0.00	0.00	0.00	0.00	0.00
19	49.25	0.00	0.79	495.88	2.55	898.37	19	49.25	0.00	0.79	495.88	1.47	328.68	19	0.00	0.00	0.00	0.00	0.00	0.00
20	49.24	0.00	0.79	495.88	1.32	449.62	20	49.24	0.00	0.79	0.00	0.48	376.65	20	0.00	0.00	0.00	0.00	0.00	0.00
21	49.25	0.00	0.79	495.88	0.92	1.28	21	49.25	0.00	0.79	423.06	0.77	1.28	21	0.00	0.00	0.00	0.00	0.00	0.00
22	49.00	0.00	0.79	0.00	0.00	49.49	22	49.00	0.00	0.79	0.00	0.00	49.49	22	0.00	0.00	0.00	0.00	0.00	0.00
23	48.74	0.00	0.79	0.00	0.10	97.34	23	48.74	0.00	0.79	0.00	0.10	97.34	23	0.00	0.00	0.00	0.00	0.00	0.00
24	49.10	0.00	0.79	0.00	0.19	145.46	24	49.10	0.00	0.79	0.00	0.19	145.46	24	0.00	0.00	0.00	0.00	0.00	0.00
25	49.72	0.00	0.79	0.00	0.28	194.11	25	49.72	0.00	0.79	0.00	0.28	194.11	25	0.00	0.00	0.00	0.00	0.00	0.00
26	49.72	0.00	0.79	0.00	0.38	242.66	26	49.72	0.00	0.79	0.00	0.38	242.66	26	0.00	0.00	0.00	0.00	0.00	0.00
27	49.89	0.00	0.79	0.00	0.55	291.21	27	49.89	0.00	0.79	0.00	0.55	291.21	27	0.00	0.00	0.00	0.00	0.00	0.00
28</																				

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1201.73							233.77
1	0.00	0.00	0.00	0.00	1.28	1200.45	1	0.00	0.00	0.00	0.00	0.25	233.52
2	0.00	0.92	0.00	0.00	1.45	1199.92	2	0.00	0.00	0.00	0.00	0.28	233.24
3	0.00	1.66	0.00	0.00	1.58	1200.00	3	0.00	0.00	0.00	0.00	0.31	232.93
4	0.00	1.66	0.00	0.00	1.56	1200.10	4	0.00	0.00	0.00	0.00	0.30	232.63
5	0.00	1.08	0.00	0.00	1.61	1199.57	5	0.00	0.00	0.00	0.00	0.31	232.32
6	0.00	0.00	0.00	0.00	2.41	1197.16	6	0.00	0.00	0.00	0.00	0.47	231.85
7	0.00	0.00	0.00	0.00	3.41	1193.75	7	0.00	0.00	0.00	0.00	0.66	231.19
8	0.00	0.00	0.00	0.00	2.18	1191.57	8	0.00	0.00	0.00	0.00	0.42	230.77
9	0.00	0.00	0.00	0.00	1.80	1189.77	9	0.00	0.00	0.00	0.00	0.35	230.42
10	0.00	0.00	0.00	0.00	0.98	1188.79	10	0.00	0.00	0.00	0.00	0.19	230.23
11	0.00	0.00	0.00	0.00	0.98	1187.81	11	0.00	0.00	0.00	0.00	0.19	230.04
12	0.00	0.00	0.00	130.75	1.06	1056.00	12	0.00	0.00	0.00	0.00	0.21	229.83
13	0.00	0.00	0.00	495.88	1.03	559.09	13	0.00	0.00	0.00	0.00	0.22	229.61
14	0.00	0.00	0.00	495.88	1.07	62.14	14	0.00	0.00	0.00	194.42	0.44	34.75
15	0.00	91.74	0.00	124.79	0.07	29.02	15	0.00	18.08	0.00	52.79	0.04	0.00
16	0.00	1.66	0.00	0.00	0.05	30.63	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	1.19	0.00	0.00	0.05	31.77	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.79	0.00	0.00	0.06	32.50	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.79	0.00	0.00	0.06	33.23	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.79	0.00	0.00	0.05	33.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.79	0.00	0.00	0.07	34.69	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.79	0.00	0.00	0.09	35.39	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.79	0.00	0.00	0.07	36.11	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.79	0.00	0.00	0.07	36.83	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.79	0.00	0.00	0.07	37.55	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.79	0.00	0.00	0.07	38.27	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.79	0.00	0.00	0.09	38.97	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.79	0.00	0.00	0.09	39.67	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.79	0.00	0.00	0.06	40.40	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.79	0.00	0.00	0.09	41.10	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	110.18	0.00	1247.30	23.51			0.00	18.08	0.00	247.22	4.64	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						945.37							22.59
1	0.00	0.00	0.00	0.00	1.01	944.36	1	0.00	0.00	0.00	0.00	0.02	22.57
2	0.00	0.00	0.00	0.00	1.14	943.22	2	0.00	0.92	0.00	0.00	0.03	23.46
3	0.00	0.00	0.00	0.00	1.24	941.98	3	0.00	1.66	0.00	0.00	0.03	25.09
4	0.00	0.00	0.00	0.00	1.23	940.75	4	0.00	1.66	0.00	0.00	0.03	26.72
5	0.00	0.00	0.00	0.00	1.26	939.49	5	0.00	1.08	0.00	0.00	0.04	27.76
6	0.00	0.00	0.00	0.00	1.88	937.61	6	0.00	0.00	0.00	0.00	0.06	27.70
7	0.00	0.00	0.00	0.00	2.67	934.94	7	0.00	0.00	0.00	0.00	0.08	27.62
8	0.00	0.00	0.00	0.00	1.71	933.23	8	0.00	0.00	0.00	0.00	0.05	27.57
9	0.00	0.00	0.00	0.00	1.41	931.82	9	0.00	0.00	0.00	0.00	0.04	27.53
10	0.00	0.00	0.00	0.00	0.77	931.05	10	0.00	0.00	0.00	0.00	0.02	27.51
11	0.00	0.00	0.00	0.00	0.77	930.28	11	0.00	0.00	0.00	0.00	0.02	27.49
12	0.00	0.00	0.00	130.75	0.83	798.70	12	0.00	0.00	0.00	0.00	0.02	27.47
13	0.00	0.00	0.00	495.88	0.78	302.04	13	0.00	0.00	0.00	0.00	0.03	27.44
14	0.00	0.00	0.00	301.46	0.58	0.00	14	0.00	0.00	0.00	0.00	0.05	27.39
15	0.00	72.00	0.00	72.00	0.00	0.00	15	0.00	1.66	0.00	0.00	0.03	29.02
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	1.66	0.00	0.00	0.05	30.63
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	1.19	0.00	0.00	0.05	31.77
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.79	0.00	0.00	0.06	32.50
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.79	0.00	0.00	0.06	33.23
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.79	0.00	0.00	0.05	33.97
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.79	0.00	0.00	0.07	34.69
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.79	0.00	0.00	0.09	35.39
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.79	0.00	0.00	0.07	36.11
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.79	0.00	0.00	0.07	36.83
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.79	0.00	0.00	0.07	37.55
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.79	0.00	0.00	0.07	38.27
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.79	0.00	0.00	0.09	38.97
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.79	0.00	0.00	0.09	39.67
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.79	0.00	0.00	0.06	40.40
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.79	0.00	0.00	0.09	41.10
	0.00	72.00	0.00	1000.09	17.28			0.00	20.10	0.00	0.00	1.59	



# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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September 30, 2005



Bill Owens  
Governor

Russell George  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for July 2005

Dear Mr. Pope and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of July, 2005.

Table 1 shows the amount of pumping during the month of July 2005 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on each of the days in July. Also note that

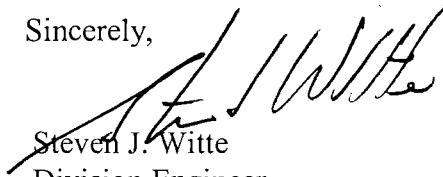
in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 94% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 29 of the 31 days in July. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

Deliveries of water to the Offset Account continued during the month of July 2005 by LAWMA using consumptive use credits from their ownership in the Highland Canal and the Keesee Ditch. The delivery netted 1263.09 acre-feet of fully consumable water into the Offset Account during July 2005.

As of July 31, 2005, a total of 1610.88 acre-feet were stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of July is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Kevin Salter            Robin Jennison            John Draper            Monique Morey            Joe Flory  
Randy Hayzlett           Dale Book            David A. Brenn           Carol Angel  
Hal Simpson            Rod Kuharich           Dennis Montgomery    Jim Slattery            Mark Rude  
Thomas R. Pointon      James G. Rogers      Dale Straw            Bill Tyner            Kalsoum Abbasi

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**July 2005**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	1315.81	632.32
2	BOOTH ORCHARD	60.22	37.11
3	EXCELSIOR	339.06	217.21
4	COLLIER	42.36	20.44
5	COLORADO	168.50	88.87
6	ROCKY FORD HIGHLINE	433.03	194.28
7	OXFORD	522.30	317.55
8	OTERO	24.70	9.67
9	CATLIN	1718.61	1017.15
10	FORT LYON US	1757.79	872.96
11	ROCKY FORD	459.27	332.76
12	HOLBROOK	755.77	373.44
13	LAS ANIMAS CONSOLIDATED	370.04	176.27
14	BALDWIN-STUBBS	897.49	456.62
15	FORT BENT	200.96	109.86
16	KEESE	136.56	83.79
17	AMITY	2113.95	1118.18
18	LAMAR/MANVEL	864.20	368.61
19	HYDE	62.99	31.99
20	FORT LYON DS	1592.03	768.34
21	XY GRAHAM	20.25	7.90
22	BUFFALO	234.18	99.30
23	SISSON	57.33	57.33
24	STATELINE SOLE SOURCE	1252.35	816.44
600	LAWMA A.P.D.	1084.62	448.55
601	LAWMA A.P.D.	15.97	6.23
602	LAWMA A.P.D.	82.69	62.02
	Totals	<b>16583.03</b>	<b>8725.19</b>



**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**July 2005**

		USER NUMBER										
15	16	17	18	19	20	21	22	23	24	Total		
68	84	943	365	32	715	8	86	0	787	3088		

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**July 2005**

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum	Credit to Next Month
Balance Forward from June 2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remaining Depletion	0.00	0.00	0.00	6.14	3.60	3.63	129.93	419.92	3.06	566.28	
Depletion to Usable SL Flow	0.00	0.00	0.00	5.03	2.95	2.97	106.41	343.91	2.51	463.78	
Replacements	Carry Forward Credit										
FRY-ARK Return Flows	0.00	0.00	0.00	0.00						0.00	0.00
LAWMA-Lamar Center Farm	0.00				0.00					0.00	0.00
LAWMA-Ft Bent Ditch Shares	0.00			0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	68.00							68.00		68.00	68.00
LAWMA-XY Direct Flow	1000.00				1000.00					1000.00	800.00
LAWMA-Manvel Direct Flow	88.30				88.30					88.30	0.00
Offset Account Release Credit*	8902.72	0.00								0.00	8902.72
Offset Account Water	0.00									0.00	0.00
Total Replacements	0.00	0.00	0.00	0.00	1088.30	0.00	0.00	68.00	0.00	1156.30	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

\* Subject to change pending finalization of AGREEMENT CONCERNING THE OFFSET ACCOUNT IN JOHN MARTIN RESERVOIR FOR COLORADO PUMPING

Enclosure 1

John Martin Offset Accounting for July 2005

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						476.09							0.00							0.00
1	49.41	0.77	0.77	0.00	1.02	524.48	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	50.41	0.77	0.77	0.00	1.14	573.75	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	50.58	0.77	0.77	0.00	1.23	623.10	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	50.63	0.77	0.77	0.00	1.34	672.39	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	50.66	0.77	0.77	0.00	1.36	721.69	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	34.80	0.77	0.77	0.00	1.16	755.33	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	34.80	0.77	0.77	0.00	1.98	788.15	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	30.23	0.77	0.77	0.00	2.38	816.00	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	44.78	0.77	0.77	0.00	2.56	858.22	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	47.47	0.77	0.77	0.00	2.83	902.86	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	49.91	0.77	0.77	0.00	3.33	949.44	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	49.54	0.77	0.77	0.00	2.99	995.99	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	48.39	0.77	0.77	0.00	3.08	1041.30	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	51.74	0.77	0.77	0.00	3.69	1089.35	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	52.04	0.77	0.77	0.00	4.16	1137.23	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	50.48	0.77	0.77	0.00	4.69	1183.02	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	46.96	0.77	0.77	0.00	5.43	1224.55	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	42.30	0.77	0.77	0.00	1.16	1265.69	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	35.26	0.77	0.77	0.00	7.55	1293.40	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	42.91	0.77	0.77	0.00	9.31	1327.00	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	45.23	0.77	0.77	0.00	8.71	1363.52	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	35.98	0.77	0.77	0.00	8.77	1390.73	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	33.21	0.77	0.77	0.00	8.90	1415.04	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	33.84	0.77	0.77	0.00	9.02	1439.86	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	32.65	0.77	0.77	0.00	7.11	1465.40	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	28.02	0.77	0.77	0.00	2.69	1490.73	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	27.48	0.77	0.77	0.00	8.73	1509.48	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	27.24	0.77	0.77	0.00	9.86	1526.86	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	27.13	0.77	0.77	0.00	11.52	1542.47	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	37.33	0.77	0.77	0.00	11.73	1568.07	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
31	54.99	9.44	9.44	0.00	12.18	1610.88	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.00	0.00
	1296.40	32.54	32.54	0.00	161.61			0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						434.99							434.99							0.00
1	49.41	0.00	0.77	0.00	0.93	482.70	1	49.41	0.00	0.77	0.00	0.93	482.70	1	0.00	0.00	0.00	0.00	0.00	0.00
2	50.41	0.00	0.77	0.00	1.05	531.29	2	50.41	0.00	0.77	0.00	1.05	531.29	2	0.00	0.00	0.00	0.00	0.00	0.00
3	50.58	0.00	0.77	0.00	1.14	579.96	3	50.58	0.00	0.77	0.00	1.14	579.96	3	0.00	0.00	0.00	0.00	0.00	0.00
4	50.63	0.00	0.77	0.00	1.25	628.57	4	50.63	0.00	0.77	0.00	1.25	628.57	4	0.00	0.00	0.00	0.00	0.00	0.00
5	50.66	0.00	0.77	0.00	1.27	677.19	5	50.66	0.00	0.77	0.00	1.27	677.19	5	0.00	0.00	0.00	0.00	0.00	0.00
6	34.80	0.00	0.77	0.00	1.09	710.13	6	34.80	0.00	0.77	0.00	1.09	710.13	6	0.00	0.00	0.00	0.00	0.00	0.00
7	34.80	-0.77	1.54	0.00	1.86	740.76	7	34.80	-0.77	1.54	0.00	1.86	740.76	7	0.00	0.00	0.00	0.00	0.00	0.00
8	30.23	0.00	0.77	0.00	2.24	767.98	8	30.23	0.00	0.77	0.00	2.24	767.98	8	0.00	0.00	0.00	0.00	0.00	0.00
9	44.78	0.00	0.77	0.00	2.41	809.58	9	44.78	0.00	0.77	0.00	2.41	809.58	9	0.00	0.00	0.00	0.00	0.00	0.00
10	47.47	0.00	0.77	0.00	2.67	853.61	10	47.47	0.00	0.77	0.00	2.67	853.61	10	0.00	0.00	0.00	0.00	0.00	0.00
11	49.91	0.00	0.77	0.00	3.15	899.60	11	49.91	0.00	0.77	0.00	3.15	899.60	11	0.00	0.00	0.00	0.00	0.00	0.00
12	49.54	0.00	0.77	0.00	2.83	945.54	12	49.54	0.00	0.77	0.00	2.83	945.54	12	0.00	0.00	0.00	0.00	0.00	0.00
13	48.39	0.00	0.77	0.00	2.92	990.24	13	48.39	0.00	0.77	0.00	2.92	990.24	13	0.00	0.00	0.00	0.00	0.00	0.00
14	51.74	0.00	0.77	0.00	3.51	1037.70	14	51.74	0.00	0.77	0.00	3.51	1037.70	14	0.00	0.00	0.00	0.00	0.00	0.00
15	52.04	0.00	0.77	0.00	3.96	1085.01	15	52.04	0.00	0.77	0.00	3.96	1085.01	15	0.00	0.00	0.00	0.00	0.00	0.00
16	50.48	0.00	0.77	0.00	4.47	1130.25	16	50.48	0.00	0.77	0.00	4.47	1130.25	16	0.00	0.00	0.00	0.00	0.00	0.00
17	46.96	0.00	0.77	0.00	5.19	1171.25	17	46.96	0.00	0.77	0.00	5.19	1171.25	17	0.00	0.00	0.00	0.00	0.00	0.00
18	42.30	0.00	0.77	0.00	1.11	1211.67	18	42.30	0.00	0.77	0.00	1.11	1211.67	18	0.00	0.00	0.00	0.00	0.00	0.00
19	35.26	0.00	0.77	0.00	7.23	1238.93	19	35.26	0.00	0.77	0.00	7.23	1238.93	19	0.00	0.00	0.00	0.00	0.00	0.00
20	42.91	0.00	0.77	0.00	8.92	1272.15	20	42.91	0.00	0.77	0.00	8.92	1272.15	20	0.00	0.00	0.00	0.00	0.00	0.00
21	45.23	0.00	0.77	0.00	8.35	1308.26	21	45.23	0.00	0.77	0.00	8.35	1308.26	21	0.00	0.00	0.00	0.00	0.00	0.00
22	35.98	0.00	0.77	0.00	8.41	1335.06	22	35.98	0.00	0.77	0.00	8.41	1335.06	22	0.00	0.00	0.00	0.00	0.00	0.00
23	33.21	0.00	0.77	0.00	8.54	1358.96	23	33.21	0.00	0.77	0.00	8.54	1358.96	23	0.00	0.00	0.00	0.00	0.00	0.00
24	33.84	0.00	0.77	0.00	8.66	1383.37	24	33.84	0.00	0.77	0.00	8.66	1383.37	24	0.00	0.00	0.00	0.00	0.00	0.00
25	32.65	0.00	0.77	0.00	6.83	1408.42	25	32.65	0.00	0.77	0.00	6.83	1408.42	25	0.00	0.00	0.00	0.00	0.00	0.00
26	28.02	0.00	0.77	0.00	2.59	1433.08	26	28.02	0.00	0.77	0.00	2.59	1433.08	26	0.00	0.00	0.00	0.00	0.00	0.00
27	27.48	0.00	0.77	0.00	8.39	1451.40	27	27.48	0.00	0.77	0.00	8.39	1451.40	27	0.00	0.00	0.00	0.00		

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						41.10							0.00
1	0.00	0.77	0.00	0.00	0.09	41.78	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.77	0.00	0.00	0.09	42.46	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.77	0.00	0.00	0.09	43.14	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.77	0.00	0.00	0.09	43.82	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.77	0.00	0.00	0.09	44.50	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.77	0.00	0.00	0.07	45.20	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	1.54	-0.77	0.00	0.12	47.39	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.77	0.00	0.00	0.14	48.02	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.77	0.00	0.00	0.15	48.64	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.77	0.00	0.00	0.16	49.25	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.77	0.00	0.00	0.18	49.84	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.77	0.00	0.00	0.16	50.45	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.77	0.00	0.00	0.16	51.06	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.77	0.00	0.00	0.18	51.65	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.77	0.00	0.00	0.20	52.22	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.77	0.00	0.00	0.22	52.77	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.77	0.00	0.00	0.24	53.30	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.77	0.00	0.00	0.05	54.02	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.77	0.00	0.00	0.32	54.47	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.77	0.00	0.00	0.39	54.85	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.77	0.00	0.00	0.36	55.26	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.77	0.00	0.00	0.36	55.67	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.77	0.00	0.00	0.36	56.08	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.77	0.00	0.00	0.36	56.49	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.77	0.00	0.00	0.28	56.98	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.77	0.00	0.00	0.10	57.65	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.77	0.00	0.00	0.34	58.08	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.77	0.00	0.00	0.38	58.47	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.77	0.00	0.00	0.44	58.80	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.77	0.00	0.00	0.45	59.12	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	9.44	0.00	0.00	0.46	68.10	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	33.31	-0.77	0.00	7.08			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							41.10
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.77	0.00	0.00	0.09	41.78
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.77	0.00	0.00	0.09	42.46
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.77	0.00	0.00	0.09	43.14
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.77	0.00	0.00	0.09	43.82
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.77	0.00	0.00	0.09	44.50
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.77	0.00	0.00	0.07	45.20
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	1.54	-0.77	0.00	0.12	47.39
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.77	0.00	0.00	0.14	48.02
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.77	0.00	0.00	0.15	48.64
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.77	0.00	0.00	0.16	49.25
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.77	0.00	0.00	0.18	49.84
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.77	0.00	0.00	0.16	50.45
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.77	0.00	0.00	0.16	51.06
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.77	0.00	0.00	0.18	51.65
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.77	0.00	0.00	0.20	52.22
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.77	0.00	0.00	0.22	52.77
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.77	0.00	0.00	0.24	53.30
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.77	0.00	0.00	0.05	54.02
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.77	0.00	0.00	0.32	54.47
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.77	0.00	0.00	0.39	54.85
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.77	0.00	0.00	0.36	55.26
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.77	0.00	0.00	0.36	55.67
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.77	0.00	0.00	0.36	56.08
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.77	0.00	0.00	0.36	56.49
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.77	0.00	0.00	0.28	56.98
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.77	0.00	0.00	0.10	57.65
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.77	0.00	0.00	0.34	58.08
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.77	0.00	0.00	0.38	58.47
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.77	0.00	0.00	0.44	58.80
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.77	0.00	0.00	0.45	59.12
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	9.44	0.00	0.00	0.46	68.10
	0.00	0.00	0.00	0.00	0.00			0.00	33.31	-0.77	0.00	7.08	

# KANSAS

DEPARTMENT OF AGRICULTURE  
ADRIAN J. POLANSKY, SECRETARY

KATHLEEN SEBELIUS, GOVERNOR

October 27, 2005

Steve Witte  
Division Engineer  
Division 2 Office  
310 E Abriendo Ave Suite B  
Pueblo, CO 81004-4226

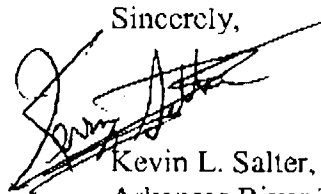
RE: Letters dated October 3, 2005 to David Pope

Dear Mr. Witte:

Mr. Pope has referred your letters of October 3<sup>rd</sup> to me for response regarding issues related to your notice of proposed transfers to the Kansas Consumable Subaccount. The transfers to the Kansas Consumable Subaccount under Paragraph 5B of the Offset Account Resolution are not appropriate at this time because there is a credit balance as calculated by the Colorado monthly accounting. The Offset Account Crediting Agreement, signed by the Colorado State Engineer and the Kansas Chief Engineer on September 30<sup>th</sup>, provides for an annual reset of the Colorado monthly accounting based on results of H-I Model beginning with the period 1997 to 2005. This analysis has not yet been completed by the States and thus any adjustment based on H-I Model runs are pre-mature. As the monthly accountings show a credit, the water should not be transferred to the Kansas Consumable Subaccount.

We would request you amend your letters of October 3<sup>rd</sup> accordingly.

Sincerely,



Kevin L. Salter, P.E.  
Arkansas River Team

KLS:kls

Cc: David Pope  
Hal Simpson  
Mark Rude  
Dale Straw

Michael A. Meyer, Water Commissioner

DIVISION OF WATER RESOURCES GARDEN CITY FIELD OFFICE

2508 JOHNS STREET, GARDEN CITY, KS 67846-2804

Voice 620-276-2901 Fax 620-276-9315

<http://www.accesskansas.org/kda/dwr/wa/GardenCityFO.htm>

# STATE OF COLORADO

**WATER DIVISION 2**  
**OFFICE OF THE STATE ENGINEER**  
Security Services Building, 310 East Abriendo, Suite B  
Pueblo, Co. 81002  
Phone (719) 542-3368  
FAX (719) 544-0800



Bill Owens  
Governor  
Russel George  
Executive Director  
Hal Simpson  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

November 8, 2005

Mr. Kevin Salter  
Kansas Division of Water Resources  
2508 Johns St.  
Garden City, KS 67846-2804

Re: Letters dated October 3, 2005 to David Pope

Dear Mr. Salter;

I have received your letter dated October 27, 2005. In your letter you have raised two basis for objecting to a transfer of water into the Kansas Consumable Subaccount; first, that transfers to the Kansas Consumable Subaccount under Paragraph 5B of the Offset Account Resolution are not appropriate at this time because there is a credit balance as calculated by the Colorado monthly accounting, and second, that the recent Offset Account Crediting Agreement provides for an annual reset of the Colorado monthly accounting based on results of the H-I model beginning with the period 1997 to 2005.

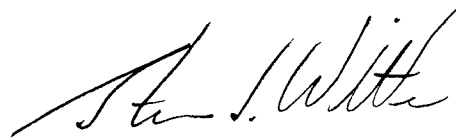
With respect to your first assertion, you are correct that the Colorado monthly accounting, does reflect a credit due primarily to a delivery of fully consumable water from the Offset Account beginning in April of 2005. It should be noted that Kansas has not responded to indicate whether agreement exists between the states concerning our calculation of delivery made pursuant to the Offset Account Crediting Agreement and submitted to Kansas September 30, 2005, which determined the creditable delivery to be 12,605 acre feet. Therefore we have been delayed in updating the Colorado monthly accounting to correspond with the September 30, 2005 Offset Accounting Agreement. It should also be noted that the Colorado monthly accounting does not reflect the most recent H-I model results for the period 1997 to 2004 that showed a depletion to usable Stateline flow of 6824.5 acre feet. Nevertheless, you are correct that a credit does exist and therefore it is acknowledged that a transfer to the Kansas Consumable Subaccount would not be appropriate due to a net credit status in the most recent Colorado monthly accounting.

Furthermore, upon review of the Offset Account Crediting Agreement, I concede that it does appear to indicate that the first accounting adjustment should be based upon preliminary H-I

model results that are not expected to be available until March 2006, therefore the transfer to the Kansas Consumable Subaccount that was believed to be appropriate based on previous preliminary H-I model results and that would otherwise have occurred as of November 2, 2005, has not been made and will not be made pending appropriate subsequent analysis. However, please consider that even if the transfer were to have been made on November 2<sup>nd</sup>, the provisions of paragraph 4.F. of the Offset Account Crediting Agreement would have protected Kansas' interests related to the subsequent evaporation from such transferred water until March 31, 2006.

This letter serves to rescind the notice of transfer to the Kansas Consumable Subaccount included in the final substantive paragraphs of the two previous letters dated October 3, 2005.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven J. Witte". The signature is fluid and cursive, with a long horizontal stroke at the beginning and a distinct loop at the end.

Steven J. Witte

Hal Simpson  
David Pope  
Mark Rude  
Dale Straw  
Bill Tyner





# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

310 East Abriendo Ave., Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
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<http://water.state.co.us/default.htm>



November 22, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

RE: Monthly Report of Colorado Pumping and Offset Account Operations for August 2005

Dear Mr. Pope and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of August, 2005.

Table 1 shows the amount of pumping during the month of August 2005 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on each of the days in August. Also note

that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on all of the days in August. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

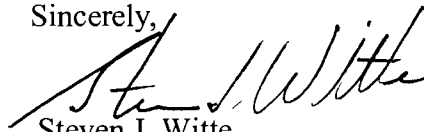
Deliveries of water to the Offset Account continued during the month of August 2005 by LAWMA using consumptive use credits from their ownership in the Highland Canal and the Keesee Ditch. The delivery netted 1271.36 acre-feet of fully consumable water into the Offset Account during August 2005. A portion of the Highland delivery was used to pre-pay the 500 acre-foot storage charge for the 2006-07 Plan Year.

A transfer of 212.89 acre-feet was made on behalf of the well associations responsible for replacing depletions to usable stateline flow on August 15<sup>th</sup>. This transfer was described in my October 3, 2005 letter to you. A delivery of 1574.36 acre-feet of fully consumable water was made to the Offset Account on behalf of the well associations responsible for replacing depletions to usable stateline flow during the month of August from August 18<sup>th</sup> through August 25<sup>th</sup>. This delivery was described in my October 3, 2005 letter to you.

As of August 31, 2005, a total of 4328.55 acre-feet were stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of August is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte

Division Engineer

Colorado Division of Water Resources

cc:	Kevin Salter	Robin Jennison	John Draper	Monique Morey	Joe Flory
	Randy Hayzlett	Dale Book	David A. Brenn	Carol Angel	
	Hal Simpson	Rod Kuharich	Dennis Montgomery	Jim Slattery	Mark Rude
	Thomas R. Pointon	James G. Rogers	Dale Straw	Bill Tyner	Kalsoum Abbasi

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**August 2005**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	1518.27	667.52
2	BOOTH ORCHARD	48.70	30.49
3	EXCELSIOR	198.18	137.41
4	COLLIER	116.13	54.64
5	COLORADO	98.69	50.60
6	ROCKY FORD HIGHLINE	550.40	225.67
7	OXFORD	852.91	459.88
8	OTERO	76.64	29.97
9	CATLIN	2226.60	1054.44
10	FORT LYON US	2289.46	1133.55
11	ROCKY FORD	447.14	336.84
12	HOLBROOK	760.60	370.49
13	LAS ANIMAS CONSOLIDATED	281.27	125.27
14	BALDWIN-STUBBS	450.54	225.30
15	FORT BENT	194.35	94.27
16	KEESE	148.55	94.17
17	AMITY	2104.36	1137.89
18	LAMAR/MANVEL	1946.80	807.37
19	HYDE	145.24	58.55
20	FORT LYON DS	773.31	382.71
21	XY GRAHAM	575.32	355.67
22	BUFFALO	705.14	283.48
23	SISSON	93.14	93.14
24	STATELINE SOLE SOURCE	1398.70	991.25
600	LAWMA A.P.D.	854.95	376.83
601	LAWMA A.P.D.	19.15	7.47
602	LAWMA A.P.D.	15.67	11.75
	Totals	<b>18890.21</b>	<b>9596.62</b>

**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**August 2005**

		USER NUMBER										
15	16	17	18	19	20	21	22	23	24	Total		
64	94	911	805	59	376	331	270	0	991	3901		

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**August 2005**

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum	Credit to Next Month
Balance Forward from July 2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remaining Depletion	0.00	0.00	0.00	0.00	0.00	0.00	205.14	608.20	2.68	816.02	
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	168.01	498.12	2.19	668.32	
Replacements	Carry Forward Credit										
FRY-ARK Return Flows	0.00	0.00	0.00	0.00						0.00	0.00
LAWMA-Lamar Center Farm	0.00				0.00					0.00	0.00
LAWMA-Ft Bent Ditch Shares	0.00			0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	68.00							0.00		68.00	68.00
LAWMA-XY Direct Flow	800.00				0.00					800.00	0.00
LAWMA-Manvel Direct Flow	0.00				0.00					0.00	0.00
Offset Account Release Credit*	8902.72	0.00								0.00	8902.72
Offset Account Water	0.00									0.00	0.00
Total Replacements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	868.00	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

\* Subject to change pending finalization of AGREEMENT CONCERNING THE OFFSET ACCOUNT IN JOHN MARTIN RESERVOIR FOR COLORADO PUMPING

Enclosure 1

John Martin Offset Accounting for August 2005

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1610.88							0.00							0.00
1	53.15	0.71	0.71	0.00	13.65	1650.38	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	53.66	0.71	0.71	0.00	14.06	1689.98	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	42.20	0.71	0.71	0.00	10.11	1722.07	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	38.22	0.71	0.71	0.00	5.47	1754.82	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	34.26	0.71	0.71	0.00	7.40	1781.68	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	31.87	0.71	0.71	0.00	7.54	1806.01	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	32.01	0.71	0.71	0.00	7.68	1830.34	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	34.09	0.71	0.71	0.00	6.57	1857.86	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	38.65	0.71	0.71	0.00	11.74	1884.77	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	46.75	0.71	0.71	0.00	9.12	1922.40	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	47.67	0.71	0.71	0.00	9.62	1960.45	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	47.98	0.71	0.71	0.00	3.76	2004.67	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	49.37	0.71	0.71	0.00	4.07	2049.97	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	40.59	0.71	0.71	0.00	4.16	2086.40	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	48.46	212.89	0.71	0.00	6.94	2340.09	15	0.00	67.08	0.00	0.00	0.00	67.08	15	0.00	0.00	0.00	0.00	0.00	0.00
16	53.89	0.71	0.71	0.00	8.87	2385.11	16	0.00	0.00	0.00	0.00	0.25	66.83	16	0.00	0.00	0.00	0.00	0.00	0.00
17	54.26	0.71	0.71	0.00	10.71	2428.66	17	0.00	0.00	0.00	0.00	0.30	66.53	17	0.00	0.00	0.00	0.00	0.00	0.00
18	76.66	0.71	0.71	0.00	10.02	2495.30	18	7.39	0.00	0.00	0.00	0.27	73.65	18	0.00	0.00	0.00	0.00	0.00	0.00
19	272.91	0.71	0.71	0.00	8.19	2760.02	19	70.97	0.00	0.00	0.00	0.24	144.38	19	0.00	0.00	0.00	0.00	0.00	0.00
20	272.77	0.71	0.71	0.00	9.13	3023.66	20	70.97	0.00	0.00	0.00	0.48	214.87	20	0.00	0.00	0.00	0.00	0.00	0.00
21	272.82	0.71	0.71	0.00	10.06	3286.42	21	70.97	0.00	0.00	0.00	0.72	285.12	21	0.00	0.00	0.00	0.00	0.00	0.00
22	272.97	0.71	0.71	0.00	2.12	3557.27	22	70.97	0.00	0.00	0.00	0.18	355.91	22	0.00	0.00	0.00	0.00	0.00	0.00
23	273.35	0.71	0.71	0.00	15.68	3814.94	23	70.97	0.00	0.00	0.00	1.57	425.31	23	0.00	0.00	0.00	0.00	0.00	0.00
24	273.63	0.71	0.71	0.00	16.41	4072.16	24	70.97	0.00	0.00	0.00	1.83	494.45	24	0.00	0.00	0.00	0.00	0.00	0.00
25	242.37	0.71	0.71	0.00	17.95	4296.58	25	64.50	0.00	0.00	0.00	2.18	556.77	25	0.00	0.00	0.00	0.00	0.00	0.00
26	31.09	0.71	0.71	0.00	15.17	4312.50	26	0.00	0.00	0.00	0.00	1.97	554.80	26	0.00	0.00	0.00	0.00	0.00	0.00
27	28.05	0.71	0.71	0.00	15.26	4325.29	27	0.00	0.00	0.00	0.00	1.96	552.84	27	0.00	0.00	0.00	0.00	0.00	0.00
28	22.13	0.71	0.71	0.00	15.32	4332.10	28	0.00	0.00	0.00	0.00	1.96	550.88	28	0.00	0.00	0.00	0.00	0.00	0.00
29	19.23	0.71	0.71	0.00	20.46	4330.87	29	0.00	0.00	0.00	0.00	2.60	548.28	29	0.00	0.00	0.00	0.00	0.00	0.00
30	19.25	0.71	0.71	0.00	26.14	4323.98	30	0.00	0.00	0.00	0.00	3.31	544.97	30	0.00	0.00	0.00	0.00	0.00	0.00
31	21.41	0.71	0.71	0.00	16.84	4328.55	31	0.00	0.00	0.00	0.00	2.12	542.85	31	0.00	0.00	0.00	0.00	0.00	0.00
2845.72 234.19 22.01 0.00 340.22							497.71 67.08 0.00 0.00 21.94							0.00 0.00 0.00 0.00 0.00						

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1542.78							1542.78							0.00
1	53.15	0.00	0.71	0.00	13.07	1582.15	1	18.82	0.00	0.71	0.00	13.07	1547.82	1	34.33	0.00	0.00	0.00	0.00	34.33
2	53.66	0.00	0.71	0.00	13.48	1621.62	2	18.82	0.00	0.71	0.00	13.19	1552.74	2	34.84	0.00	0.00	0.00	0.29	68.88
3	42.20	0.00	0.71	0.00	9.70	1653.41	3	18.82	0.00	0.71	0.00	9.29	1561.56	3	23.38	0.00	0.00	0.00	0.41	91.85
4	38.22	0.00	0.71	0.00	5.25	1685.67	4	18.82	0.00	0.71	0.00	4.96	1574.71	4	19.40	0.00	0.00	0.00	0.29	110.96
5	34.26	0.00	0.71	0.00	7.11	1712.11	5	18.82	0.00	0.71	0.00	6.64	1586.18	5	15.44	0.00	0.00	0.00	0.47	125.93
6	31.87	0.00	0.71	0.00	7.25	1736.02	6	18.82	0.00	0.71	0.00	6.72	1597.57	6	13.05	0.00	0.00	0.00	0.53	138.45
7	32.01	0.00	0.71	0.00	7.38	1759.94	7	18.82	0.00	0.71	0.00	6.79	1608.89	7	13.19	0.00	0.00	0.00	0.59	151.05
8	34.09	0.00	0.71	0.00	6.32	1787.00	8	18.82	0.00	0.71	0.00	5.78	1621.22	8	15.27	0.00	0.00	0.00	0.54	165.78
9	38.65	0.00	0.71	0.00	11.29	1813.65	9	18.82	0.00	0.71	0.00	10.24	1629.09	9	19.83	0.00	0.00	0.00	1.05	184.56
10	46.75	0.00	0.71	0.00	8.78	1850.91	10	18.82	0.00	0.71	0.00	7.89	1639.31	10	27.93	0.00	0.00	0.00	0.89	211.63
11	47.67	0.00	0.71	0.00	9.26	1888.61	11	18.82	0.00	0.71	0.00	8.20	1649.22	11	28.85	0.00	0.00	0.00	1.06	239.39
12	47.98	0.00	0.71	0.00	3.62	1932.26	12	18.82	0.00	0.71	0.00	3.16	1664.17	12	29.16	0.00	0.00	0.00	0.46	268.09
13	49.37	0.00	0.71	0.00	3.92	1977.00	13	18.82	0.00	0.71	0.00	3.38	1678.90	13	30.55	0.00	0.00	0.00	0.54	298.10
14	40.59	0.00	0.71	0.00	4.01	2012.87	14	18.82	0.00	0.71	0.00	3.41	1693.60	14	21.77	0.00	0.00	0.00	0.60	319.27
15	48.46	212.18	0.71	0.00	6.70	2266.09	15	18.82	134.49	0.71	0.00	5.64	1840.55	15	29.64	10.61	0.00	0.00	1.06	358.46
16	53.89	0.00	0.71	0.00	8.59	2310.68	16	17.88	0.00	0.71	0.00	6.98	1850.74	16	36.01	0.00	0.00	0.00	1.36	393.11
17	54.26	0.00	0.71	0.00	10.38	2353.85	17	17.88	0.00	0.71	0.00	8.32	1859.59	17	36.38	0.00	0.00	0.00	1.76	427.73
18	76.66	0.00	0.71	0.00	9.71	2420.09	18	32.70	0.00	0.71	0.00	7.68	1883.90	18	36.57	0.00	0.00	0.00	1.76	462.54
19	272.91	0.00	0.71	0.00	7.94	2684.35	19	160.18	0.00	0.71	0.00	6.18	2037.19	19	41.76	0.00	0.00	0.00	1.52	502.78
20	272.77	0.00	0.71	0.00	8.88	2947.53	20	160.18	0.00	0.71	0.00	6.74	2189.92	20	41.62	0.00	0.00	0.00	1.66	542.74
21	272.82	0.00	0.71	0.00	9.81	3209.83	21	160.18	0.00	0.71	0.00	7.28	2342.11	21	41.67	0.00	0.00	0.00	1.81	582.60
22	272.97	0.00	0.71	0.00	2.07	3480.02	22	160.18	0.00	0.71	0.00	1.51	2500.07	22	41.82	0.00	0.00	0.00	0.38	624.04
23	273.35	0.00	0.71	0.00	15.34	3737.32	23	188.72	0.00	0.71	0.00	11.02	2677.06	23	13.66	0.00	0.00	0.00	2.75	634.95
24	273.63	0.00	0.71	0.00	16.08	3994.16	24	188.98	0.00	0.71	0.00	11.52	2853.81	24	13.68	0.00	0.00	0.00	2.73	645.90
25	242.37	0.00	0.71	0.00	17.61	4218.21	25	165.75	0.00	0.71	0.00	12.58	3006.27	25	12.12	0.00	0.00	0.00	2.85	655.17
26	31.09	0.00	0.71	0.00	14.89	4233.70	26	29.54	0.00	0.71	0.00	10.60	3024.50	26	1.55	0.00	0.00	0.00	2.32	654.40
27																				

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						68.10							0.00
1	0.00	0.71	0.00	0.00	0.58	68.23	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.71	0.00	0.00	0.58	68.36	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.71	0.00	0.00	0.41	68.66	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.71	0.00	0.00	0.22	69.15	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.71	0.00	0.00	0.29	69.57	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.71	0.00	0.00	0.29	69.99	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.71	0.00	0.00	0.30	70.40	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.71	0.00	0.00	0.25	70.86	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.71	0.00	0.00	0.45	71.12	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.71	0.00	0.00	0.34	71.49	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.71	0.00	0.00	0.36	71.84	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.71	0.00	0.00	0.14	72.41	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.71	0.00	0.00	0.15	72.97	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.71	0.00	0.00	0.15	73.53	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.71	0.00	0.00	0.24	74.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.71	0.00	0.00	0.28	74.43	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.71	0.00	0.00	0.33	74.81	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.71	0.00	0.00	0.31	75.21	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.71	0.00	0.00	0.25	75.67	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.71	0.00	0.00	0.25	76.13	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.71	0.00	0.00	0.25	76.59	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.71	0.00	0.00	0.05	77.25	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.71	0.00	0.00	0.34	77.62	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.71	0.00	0.00	0.33	78.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.71	0.00	0.00	0.34	78.37	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.71	0.00	0.00	0.28	78.80	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.71	0.00	0.00	0.28	79.23	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.71	0.00	0.00	0.28	79.66	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.71	0.00	0.00	0.38	79.99	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.71	0.00	0.00	0.48	80.22	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.71	0.00	0.00	0.31	80.62	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	22.01	0.00	0.00	9.49			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							68.10
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.71	0.00	0.00	0.58	68.23
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.71	0.00	0.00	0.58	68.36
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.71	0.00	0.00	0.41	68.66
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.71	0.00	0.00	0.22	69.15
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.71	0.00	0.00	0.29	69.57
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.71	0.00	0.00	0.29	69.99
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.71	0.00	0.00	0.30	70.40
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.71	0.00	0.00	0.25	70.86
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.71	0.00	0.00	0.45	71.12
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.71	0.00	0.00	0.34	71.49
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.71	0.00	0.00	0.36	71.84
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.71	0.00	0.00	0.14	72.41
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.71	0.00	0.00	0.15	72.97
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.71	0.00	0.00	0.15	73.53
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.71	0.00	0.00	0.24	74.00
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.71	0.00	0.00	0.28	74.43
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.71	0.00	0.00	0.33	74.81
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.71	0.00	0.00	0.31	75.21
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.71	0.00	0.00	0.25	75.67
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.71	0.00	0.00	0.25	76.13
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.71	0.00	0.00	0.25	76.59
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.71	0.00	0.00	0.05	77.25
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.71	0.00	0.00	0.34	77.62
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.71	0.00	0.00	0.33	78.00
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.71	0.00	0.00	0.34	78.37
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.71	0.00	0.00	0.28	78.80
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.71	0.00	0.00	0.28	79.23
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.71	0.00	0.00	0.28	79.66
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.71	0.00	0.00	0.38	79.99
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.71	0.00	0.00	0.48	80.22
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.71	0.00	0.00	0.31	80.62
	0.00	0.00	0.00	0.00	0.00			0.00	22.01	0.00	0.00	9.49	





# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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November 22, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
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Lamar, CO 81052

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

RE: Monthly Report of Colorado Pumping and Offset Account Operations for September 2005

Dear Mr. Pope and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of September, 2005.

Table 1 shows the amount of pumping during the month of September 2005 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on each of the days in September. Also

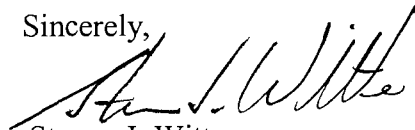
note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on all of the days in September. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

Deliveries of water to the Offset Account continued during the month of September 2005 by LAWMA using consumptive use credits from their ownership in the Highland Canal and the Keesee Ditch. The delivery netted 584.65 acre-feet of fully consumable water into the Offset Account during September 2005.

As of September 30, 2005, a total of 4392.58 acre-feet were stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of September is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Kevin Salter Robin Jennison John Draper Monique Morey Joe Flory  
Randy Hayzlett Dale Book David A. Brenn Carol Angel  
Hal Simpson Rod Kuharich Dennis Montgomery Jim Slattery Mark Rude  
Thomas R. Pointon James G. Rogers Dale Straw Bill Tyner Kalsoum Abbasi

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**September 2005**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	998.58	469.49
2	BOOTH ORCHARD	38.75	24.52
3	EXCELSIOR	231.82	161.98
4	COLLIER	21.40	10.34
5	COLORADO	334.74	166.56
6	ROCKY FORD HIGHLINE	303.84	124.94
7	OXFORD	596.93	368.03
8	OTERO	46.94	19.28
9	CATLIN	990.33	489.60
10	FORT LYON US	1231.74	574.52
11	ROCKY FORD	194.66	118.09
12	HOLBROOK	550.25	247.93
13	LAS ANIMAS CONSOLIDATED	108.99	59.04
14	BALDWIN-STUBBS	1.29	0.65
15	FORT BENT	86.38	48.24
16	KEESE	95.60	68.73
17	AMITY	1218.79	692.18
18	LAMAR/MANVEL	1115.12	459.47
19	HYDE	84.55	35.24
20	FORT LYON DS	664.44	363.58
21	XY GRAHAM	83.40	32.53
22	BUFFALO	139.42	61.51
23	SISSON	38.04	38.04
24	STATELINE SOLE SOURCE	518.78	364.34
600	LAWMA A.P.D.	146.61	63.88
601	LAWMA A.P.D.	15.46	6.03
602	LAWMA A.P.D.	20.03	15.02
	Totals	<b>9876.88</b>	<b>5083.76</b>

**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**September 2005**

		USER NUMBER									
15	16	17	18	19	20	21	22	23	24	Total	
25	69	560	455	35	362	336	50	0	364	2256	

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**September 2005**

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum
	Balance Forward from August 2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remaining Depletion	0.00	0.00	0.00	0.00	0.00	0.00	259.61	644.03	7.20	910.84
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	212.62	527.46	5.90	745.98
Replacements	Carry Forward Credit									Credit to Next Month
FRY-ARK Return Flows	0.00	0.00	0.00	0.00						0.00
LAWMA-Lamar Center Farm	0.00				0.00					0.00
LAWMA-Ft Bent Ditch Shares	0.00			0.00						0.00
LAWMA-Stubbs Direct Flow	68.00							0.00		68.00
LAWMA-XY Direct Flow	0.00				0.00					0.00
LAWMA-Manvel Direct Flow	0.00				0.00					0.00
Offset Account Release Credit*	8902.72	683.96								683.96
Offset Account Water	0.00									0.00
Total Replacements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	751.96
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

\* Subject to change pending finalization of AGREEMENT CONCERNING THE OFFSET ACCOUNT IN JOHN MARTIN RESERVOIR FOR COLORADO PUMPING

Enclosure 1

John Martin Offset Accounting for September 2005

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4328.55							5428.85							0.00
1	18.15	0.63	0.63	0.00	10.47	4336.23	1	0.00	0.00	0.00	0.00	1.31	541.54	1	0.00	0.00	0.00	0.00	0.00	0.00
2	16.90	0.63	0.63	0.00	18.85	4334.28	2	0.00	0.00	0.00	0.00	2.35	539.19	2	0.00	0.00	0.00	0.00	0.00	0.00
3	16.90	0.63	0.63	0.00	18.99	4332.19	3	0.00	0.00	0.00	0.00	2.36	536.83	3	0.00	0.00	0.00	0.00	0.00	0.00
4	16.90	0.63	0.63	0.00	19.16	4329.93	4	0.00	0.00	0.00	0.00	2.38	534.45	4	0.00	0.00	0.00	0.00	0.00	0.00
5	16.90	0.63	0.63	0.00	20.26	4326.57	5	0.00	0.00	0.00	0.00	2.50	531.95	5	0.00	0.00	0.00	0.00	0.00	0.00
6	16.90	0.63	0.63	0.00	14.13	4329.34	6	0.00	0.00	0.00	0.00	1.74	530.21	6	0.00	0.00	0.00	0.00	0.00	0.00
7	16.90	0.63	0.63	0.00	16.17	4330.07	7	0.00	0.00	0.00	0.00	1.98	528.23	7	0.00	0.00	0.00	0.00	0.00	0.00
8	16.90	0.63	0.63	0.00	29.03	4317.94	8	0.00	0.00	0.00	0.00	3.54	524.69	8	0.00	0.00	0.00	0.00	0.00	0.00
9	16.90	0.63	0.63	0.00	27.00	4307.84	9	0.00	0.00	0.00	0.00	3.28	521.41	9	0.00	0.00	0.00	0.00	0.00	0.00
10	16.90	0.63	0.63	0.00	27.70	4297.04	10	0.00	0.00	0.00	0.00	3.35	518.06	10	0.00	0.00	0.00	0.00	0.00	0.00
11	16.90	0.63	0.63	0.00	27.90	4286.04	11	0.00	0.00	0.00	0.00	3.37	514.69	11	0.00	0.00	0.00	0.00	0.00	0.00
12	31.96	0.63	0.63	0.00	26.08	4291.92	12	0.00	0.00	0.00	0.00	3.13	511.56	12	0.00	0.00	0.00	0.00	0.00	0.00
13	24.21	0.63	0.63	0.00	18.44	4297.69	13	0.00	0.00	0.00	0.00	2.20	509.36	13	0.00	0.00	0.00	0.00	0.00	0.00
14	20.30	0.63	0.63	0.00	9.25	4308.74	14	0.00	0.00	0.00	0.00	1.10	508.26	14	0.00	0.00	0.00	0.00	0.00	0.00
15	18.01	0.63	0.63	0.00	13.66	4313.09	15	0.00	0.00	0.00	0.00	1.61	506.65	15	0.00	0.00	0.00	0.00	0.00	0.00
16	17.43	0.63	0.63	0.00	20.51	4310.01	16	0.00	0.00	0.00	0.00	2.41	504.24	16	0.00	0.00	0.00	0.00	0.00	0.00
17	18.56	0.63	0.63	0.00	20.60	4307.97	17	0.00	0.00	0.00	0.00	2.41	501.83	17	0.00	0.00	0.00	0.00	0.00	0.00
18	18.82	0.63	0.63	0.00	21.11	4305.68	18	0.00	0.00	0.00	0.00	2.46	499.37	18	0.00	0.00	0.00	0.00	0.00	0.00
19	22.13	0.63	0.63	0.00	1.47	4326.34	19	0.00	0.00	0.00	0.00	0.17	499.20	19	0.00	0.00	0.00	0.00	0.00	0.00
20	23.38	0.63	0.63	0.00	15.79	4333.93	20	0.00	0.00	0.00	0.00	1.82	497.38	20	0.00	0.00	0.00	0.00	0.00	0.00
21	29.69	0.63	0.63	0.00	20.29	4343.33	21	0.00	0.00	0.00	0.00	2.33	495.05	21	0.00	0.00	0.00	0.00	0.00	0.00
22	24.18	0.63	0.63	0.00	9.43	4358.08	22	0.00	0.00	0.00	0.00	1.07	493.98	22	0.00	0.00	0.00	0.00	0.00	0.00
23	21.25	0.63	0.63	0.00	16.43	4362.90	23	0.00	0.00	0.00	0.00	1.86	492.12	23	0.00	0.00	0.00	0.00	0.00	0.00
24	21.05	0.63	0.63	0.00	16.47	4367.48	24	0.00	0.00	0.00	0.00	1.86	490.26	24	0.00	0.00	0.00	0.00	0.00	0.00
25	19.72	0.63	0.63	0.00	16.52	4370.68	25	0.00	0.00	0.00	0.00	1.85	488.41	25	0.00	0.00	0.00	0.00	0.00	0.00
26	18.17	0.63	0.63	0.00	17.03	4371.82	26	0.00	0.00	0.00	0.00	1.90	486.51	26	0.00	0.00	0.00	0.00	0.00	0.00
27	17.32	0.63	0.63	0.00	14.06	4375.08	27	0.00	0.00	0.00	0.00	1.57	484.94	27	0.00	0.00	0.00	0.00	0.00	0.00
28	17.34	0.63	0.63	0.00	3.02	4389.40	28	0.00	0.00	0.00	0.00	0.33	484.61	28	0.00	0.00	0.00	0.00	0.00	0.00
29	17.01	0.63	0.63	0.00	14.62	4391.79	29	0.00	0.00	0.00	0.00	1.61	483.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	16.97	0.63	0.63	0.00	16.18	4392.58	30	0.00	0.00	0.00	0.00	1.78	481.22	30	0.00	0.00	0.00	0.00	0.00	0.00
584.65	18.90	18.90	0.00	0.00	520.62		0.00	0.00	0.00	0.00	0.00	61.63		0.00	0.00	0.00	0.00	0.00	0.00	0.00

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4247.93							3059.33							645.75
1	18.15	0.00	0.63	0.00	10.28	4255.17	1	17.25	0.00	0.63	0.00	7.41	3068.54	1	0.90	0.00	0.00	0.00	1.56	645.09
2	16.90	0.00	0.63	0.00	18.50	4252.94	2	16.06	0.00	0.63	0.00	13.35	3070.62	2	0.84	0.00	0.00	0.00	2.80	643.13
3	16.90	0.00	0.63	0.00	18.63	4250.58	3	16.06	0.00	0.63	0.00	13.45	3072.60	3	0.84	0.00	0.00	0.00	2.82	641.15
4	16.90	0.00	0.63	0.00	18.80	4248.05	4	16.05	0.00	0.63	0.00	13.58	3074.44	4	0.85	0.00	0.00	0.00	2.84	639.16
5	16.90	0.00	0.63	0.00	19.88	4244.44	5	16.05	0.00	0.63	0.00	14.39	3075.47	5	0.85	0.00	0.00	0.00	2.99	637.02
6	16.90	0.00	0.63	0.00	13.86	4246.85	6	16.06	0.00	0.63	0.00	10.04	3080.86	6	0.84	0.00	0.00	0.00	2.08	635.78
7	16.90	0.00	0.63	0.00	15.86	4247.26	7	16.05	0.00	0.63	0.00	11.50	3084.78	7	0.85	0.00	0.00	0.00	2.38	634.25
8	16.90	0.00	0.63	0.00	28.47	4235.06	8	16.06	0.00	0.63	0.00	20.68	3079.53	8	0.84	0.00	0.00	0.00	4.25	630.84
9	16.90	0.00	0.63	0.00	26.48	4224.85	9	16.06	0.00	0.63	0.00	19.26	3075.70	9	0.84	0.00	0.00	0.00	3.94	627.74
10	16.90	0.00	0.63	0.00	27.17	4213.95	10	16.06	0.00	0.63	0.00	19.78	3071.35	10	0.84	0.00	0.00	0.00	4.04	624.54
11	16.90	0.00	0.63	0.00	27.36	4202.86	11	16.05	0.00	0.63	0.00	19.93	3066.84	11	0.85	0.00	0.00	0.00	4.06	621.33
12	31.96	0.00	0.63	0.00	25.57	4208.62	12	30.36	0.00	0.63	0.00	18.66	3077.91	12	1.60	0.00	0.00	0.00	3.78	619.15
13	24.21	0.00	0.63	0.00	18.08	4214.12	13	23.00	0.00	0.63	0.00	13.22	3087.06	13	1.21	0.00	0.00	0.00	2.66	617.70
14	20.30	0.00	0.63	0.00	9.07	4224.72	14	19.29	0.00	0.63	0.00	6.64	3099.08	14	1.01	0.00	0.00	0.00	1.33	617.38
15	18.01	0.00	0.63	0.00	13.39	4228.71	15	17.11	0.00	0.63	0.00	9.82	3105.74	15	0.90	0.00	0.00	0.00	1.96	616.32
16	17.43	0.00	0.63	0.00	20.11	4225.40	16	16.55	0.00	0.63	0.00	14.77	3106.89	16	0.88	0.00	0.00	0.00	2.93	614.27
17	18.56	0.00	0.63	0.00	20.20	4223.13	17	17.64	0.00	0.63	0.00	14.86	3109.04	17	0.92	0.00	0.00	0.00	2.93	612.26
18	18.82	0.00	0.63	0.00	20.69	4220.63	18	17.88	0.00	0.63	0.00	15.23	3111.06	18	0.94	0.00	0.00	0.00	3.00	610.20
19	22.13	0.00	0.63	0.00	1.44	4240.69	19	21.02	0.00	0.63	0.00	1.06	3130.39	19	1.11	0.00	0.00	0.00	0.21	611.10
20	23.38	0.00	0.63	0.00	15.48	4247.96	20	22.21	0.00	0.63	0.00	11.43	3140.54	20	1.17	0.00	0.00	0.00	2.23	610.04
21	29.69	0.00	0.63	0.00	19.89	4257.13	21	28.20	0.00	0.63	0.00	14.71	3153.40	21	1.49	0.00	0.00	0.00	2.85	608.68
22	24.18	0.00	0.63	0.00	9.24	4271.44	22	22.98	0.00	0.63	0.00	6.85	3168.90	22	1.20	0.00	0.00	0.00	1.32	608.56
23	21.25	0.00	0.63	0.00	16.10	4275.96	23	20.18	0.00	0.63	0.00	11.95	3176.50	23	1.07	0.00	0.00	0.00	2.29	607.34
24	21.05	0.00	0.63	0.00	16.14	4280.24	24	20.00	0.00	0.63	0.00	11.99	3183.88	24	1.05	0.00	0.00	0.00	2.29	606.10
25	19.72	0.00	0.63	0.00	16.19	4283.14	25	18.74	0.00	0.63	0.00	12.05	3189.94	25	0.98	0.00	0.00	0.00	2.29	604.79
26	18.17	0.00	0.63	0.00	16.69	4283.99	26	17.26	0.00	0.63	0.00	12.43	3194.14	26	0.91	0.00	0.00	0.00	2.36	603.34
27	17.32	0.00	0.63	0.00	13.78	4286.90	27	16.45	0.00	0.63	0.00	10.27	3199.69	27	0.87	0.00	0.00	0.00	1.94	602.27
28	17.34	0.00	0.63	0.00	2.96	4300.65	28	16.48	0.00	0.63	0.00	2.21	3213.33	28	0.86	0.00	0.00	0.00	0.42	602.71

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						80.62							0.00
1	0.00	0.63	0.00	0.00	0.19	81.06	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.63	0.00	0.00	0.35	81.34	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.63	0.00	0.00	0.36	81.61	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.63	0.00	0.00	0.36	81.88	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.63	0.00	0.00	0.38	82.13	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.63	0.00	0.00	0.27	82.49	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.63	0.00	0.00	0.31	82.81	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.63	0.00	0.00	0.56	82.88	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.63	0.00	0.00	0.52	82.99	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.63	0.00	0.00	0.53	83.09	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.63	0.00	0.00	0.54	83.18	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.63	0.00	0.00	0.51	83.30	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.63	0.00	0.00	0.36	83.57	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.63	0.00	0.00	0.18	84.02	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.63	0.00	0.00	0.27	84.38	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.63	0.00	0.00	0.40	84.61	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.63	0.00	0.00	0.40	84.84	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.63	0.00	0.00	0.42	85.05	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.63	0.00	0.00	0.03	85.65	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.63	0.00	0.00	0.31	85.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.63	0.00	0.00	0.40	86.20	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.63	0.00	0.00	0.19	86.64	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.63	0.00	0.00	0.33	86.94	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.63	0.00	0.00	0.33	87.24	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.63	0.00	0.00	0.33	87.54	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.63	0.00	0.00	0.34	87.83	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.63	0.00	0.00	0.28	88.18	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.63	0.00	0.00	0.06	88.75	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.63	0.00	0.00	0.30	89.08	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.63	0.00	0.00	0.33	89.38	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	18.90	0.00	0.00	10.14			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							80.62
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.63	0.00	0.00	0.19	81.06
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.63	0.00	0.00	0.35	81.34
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.63	0.00	0.00	0.36	81.61
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.63	0.00	0.00	0.36	81.88
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.63	0.00	0.00	0.38	82.13
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.63	0.00	0.00	0.27	82.49
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.63	0.00	0.00	0.31	82.81
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.63	0.00	0.00	0.56	82.88
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.63	0.00	0.00	0.52	82.99
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.63	0.00	0.00	0.53	83.09
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.63	0.00	0.00	0.54	83.18
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.63	0.00	0.00	0.51	83.30
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.63	0.00	0.00	0.36	83.57
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.63	0.00	0.00	0.18	84.02
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.63	0.00	0.00	0.27	84.38
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.63	0.00	0.00	0.40	84.61
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.63	0.00	0.00	0.40	84.84
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.63	0.00	0.00	0.42	85.05
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.63	0.00	0.00	0.03	85.65
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.63	0.00	0.00	0.31	85.97
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.63	0.00	0.00	0.40	86.20
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.63	0.00	0.00	0.19	86.64
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.63	0.00	0.00	0.33	86.94
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.63	0.00	0.00	0.33	87.24
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.63	0.00	0.00	0.33	87.54
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.63	0.00	0.00	0.34	87.83
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.63	0.00	0.00	0.28	88.18
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.63	0.00	0.00	0.06	88.75
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.63	0.00	0.00	0.30	89.08
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.63	0.00	0.00	0.33	89.38
	0.00	0.00	0.00	0.00	0.00			0.00	18.90	0.00	0.00	10.14	





# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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November 28, 2005

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
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Lamar, CO 81052

Bill Owens  
Governor  
Russell George  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

RE: Monthly Report of Colorado Pumping and Offset Account Operations for October 2005

Dear Mr. Pope and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of October, 2005.

Table 1 shows the amount of pumping during the month of October 2005 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on each of the days in October. Also note

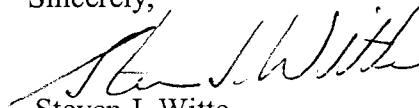
that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on all of the days in October. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

Deliveries of water to the Offset Account continued during the month of October 2005 by LAWMA using consumptive use credits from their ownership in the Highland Canal and the Keesee Ditch. The delivery netted 771.84 acre-feet of fully consumable water into the Offset Account during October 2005.

As of October 31, 2005, a total of 4857.43 acre-feet were stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of October is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc:	Kevin Salter	Robin Jennison	John Draper	Monique Morey	Joe Flory
	Randy Hayzlett	Dale Book	David A. Brenn	Carol Angel	
	Hal Simpson	Rod Kuharich	Dennis Montgomery	Jim Slattery	Mark Rude
	Thomas R. Pointon	James G. Rogers	Dale Straw	Bill Tyner	Kalsoum Abbasi

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**October 2005**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	565.15	260.78
2	BOOTH ORCHARD	27.18	15.52
3	EXCELSIOR	176.16	94.41
4	COLLIER	48.86	19.07
5	COLORADO	88.86	43.38
6	ROCKY FORD HIGHLINE	268.04	107.00
7	OXFORD	297.74	117.63
8	OTERO	54.26	21.18
9	CATLIN	985.57	556.77
10	FORT LYON US	473.76	232.74
11	ROCKY FORD	101.11	48.47
12	HOLBROOK	220.23	128.26
13	LAS ANIMAS CONSOLIDATED	5.74	3.84
14	BALDWIN-STUBBS	517.19	258.61
15	FORT BENT	9.91	4.58
16	KEESE	12.29	4.79
17	AMITY	464.16	208.73
18	LAMAR/MANVEL	588.80	243.86
19	HYDE	4.46	2.54
20	FORT LYON DS	848.44	367.92
21	XY GRAHAM	87.92	44.61
22	BUFFALO	202.44	83.70
23	SISSON	0.02	0.02
24	STATELINE SOLE SOURCE	266.08	198.57
600	LAWMA A.P.D.	25.32	12.00
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	3.31	2.48
	Totals	<b>6343.00</b>	<b>3081.46</b>

**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**October 2005**

	USER NUMBER										
	15	16	17	18	19	20	21	22	23	24	Total
5	5	158	239	3	367	46	76	0	199	1098	

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**October 2005**

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum	Credit to Next Month
	Balance Forward from August 2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion	0.00	0.00	0.00	0.00	0.00	0.00	210.45	546.57	13.16	770.18	
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	172.36	447.64	10.78	630.78	
Replacements	Carry Forward Credit										
FRY-ARK Return Flows	0.00	0.00	0.00	0.00						0.00	0.00
LAWMA-Lamar Center Farm	0.00			0.00						0.00	0.00
LAWMA-Ft Bent Ditch Shares	0.00			0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	68.00							65.00		133.00	0.00
LAWMA-XY Direct Flow	8.80				117.70					126.50	0.00
LAWMA-Manvel Direct Flow	0.00				0.00					0.00	0.00
Offset Account Release Credit*	8218.76	374.99								374.99	7843.77
Offset Account Water	0.00									0.00	0.00
Total Replacements	374.99	0.00	0.00	0.00	117.70	0.00	0.00	65.00	0.00	634.49	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

\* Subject to change pending finalization of AGREEMENT CONCERNING THE OFFSET ACCOUNT IN JOHN MARTIN RESERVOIR FOR COLORADO PUMPING

Enclosure 1

John Martin Offset Accounting for October 2005

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4392.58							481.22							0.00
1	15.21	0.55	0.55	0.00	16.19	4391.60	1	0.00	0.00	0.00	0.00	1.77	479.45	1	0.00	0.00	0.00	0.00	0.00	0.00
2	15.05	0.55	0.55	0.00	16.23	4390.42	2	0.00	0.00	0.00	0.00	1.77	477.68	2	0.00	0.00	0.00	0.00	0.00	0.00
3	15.09	0.55	0.55	0.00	30.97	4374.54	3	0.00	0.00	0.00	0.00	3.37	474.31	3	0.00	0.00	0.00	0.00	0.00	0.00
4	16.10	0.55	0.55	0.00	15.77	4374.87	4	0.00	0.00	0.00	0.00	1.71	472.60	4	0.00	0.00	0.00	0.00	0.00	0.00
5	16.27	0.55	0.55	0.00	8.16	4382.98	5	0.00	0.00	0.00	0.00	0.88	471.72	5	0.00	0.00	0.00	0.00	0.00	0.00
6	14.84	0.55	0.55	0.00	15.33	4382.49	6	0.00	0.00	0.00	0.00	1.65	470.07	6	0.00	0.00	0.00	0.00	0.00	0.00
7	14.86	0.55	0.55	0.00	7.18	4390.17	7	0.00	0.00	0.00	0.00	0.77	469.30	7	0.00	0.00	0.00	0.00	0.00	0.00
8	14.99	0.55	0.55	0.00	7.19	4397.97	8	0.00	0.00	0.00	0.00	0.77	468.53	8	0.00	0.00	0.00	0.00	0.00	0.00
9	15.07	0.55	0.55	0.00	7.21	4405.83	9	0.00	0.00	0.00	0.00	0.77	467.76	9	0.00	0.00	0.00	0.00	0.00	0.00
10	15.04	0.55	0.55	0.00	7.70	4413.17	10	0.00	0.00	0.00	0.00	0.82	466.94	10	0.00	0.00	0.00	0.00	0.00	0.00
11	14.87	0.55	0.55	0.00	7.73	4420.31	11	0.00	0.00	0.00	0.00	0.82	466.12	11	0.00	0.00	0.00	0.00	0.00	0.00
12	14.88	0.55	0.55	0.00	6.72	4428.47	12	0.00	0.00	0.00	0.00	0.71	465.41	12	0.00	0.00	0.00	0.00	0.00	0.00
13	30.82	0.55	0.55	0.00	6.77	4452.52	13	0.00	0.00	0.00	0.00	0.71	464.70	13	0.00	0.00	0.00	0.00	0.00	0.00
14	31.04	0.55	0.55	0.00	7.91	4475.65	14	0.00	0.00	0.00	0.00	0.82	463.88	14	0.00	0.00	0.00	0.00	0.00	0.00
15	30.79	0.55	0.55	0.00	7.96	4498.48	15	0.00	0.00	0.00	0.00	0.83	463.05	15	0.00	0.00	0.00	0.00	0.00	0.00
16	30.62	0.55	0.55	0.00	8.55	4520.55	16	0.00	0.00	0.00	0.00	0.88	462.17	16	0.00	0.00	0.00	0.00	0.00	0.00
17	30.62	0.55	0.55	0.00	11.89	4539.28	17	0.00	0.00	0.00	0.00	1.22	460.95	17	0.00	0.00	0.00	0.00	0.00	0.00
18	30.62	0.55	0.55	0.00	10.36	4559.54	18	0.00	0.00	0.00	0.00	1.05	459.90	18	0.00	0.00	0.00	0.00	0.00	0.00
19	30.71	0.55	0.55	0.00	4.41	4585.84	19	0.00	0.00	0.00	0.00	0.44	459.46	19	0.00	0.00	0.00	0.00	0.00	0.00
20	30.71	0.55	0.55	0.00	6.10	4610.45	20	0.00	0.00	0.00	0.00	0.61	458.85	20	0.00	0.00	0.00	0.00	0.00	0.00
21	30.86	0.55	0.55	0.00	7.23	4634.08	21	0.00	0.00	0.00	0.00	0.72	458.13	21	0.00	0.00	0.00	0.00	0.00	0.00
22	31.18	0.55	0.55	0.00	7.81	4657.45	22	0.00	0.00	0.00	0.00	0.77	457.36	22	0.00	0.00	0.00	0.00	0.00	0.00
23	31.16	0.55	0.55	0.00	7.83	4680.78	23	0.00	0.00	0.00	0.00	0.77	456.59	23	0.00	0.00	0.00	0.00	0.00	0.00
24	31.05	0.55	0.55	0.00	5.62	4706.21	24	0.00	0.00	0.00	0.00	0.55	456.04	24	0.00	0.00	0.00	0.00	0.00	0.00
25	31.23	0.55	0.55	0.00	3.94	4733.50	25	0.00	0.00	0.00	0.00	0.38	455.66	25	0.00	0.00	0.00	0.00	0.00	0.00
26	31.23	0.55	0.55	0.00	11.85	4752.88	26	0.00	0.00	0.00	0.00	1.14	454.52	26	0.00	0.00	0.00	0.00	0.00	0.00
27	31.38	0.55	0.55	0.00	9.63	4774.63	27	0.00	0.00	0.00	0.00	0.92	453.60	27	0.00	0.00	0.00	0.00	0.00	0.00
28	31.35	0.55	0.55	0.00	10.22	4795.76	28	0.00	0.00	0.00	0.00	0.97	452.63	28	0.00	0.00	0.00	0.00	0.00	0.00
29	31.38	0.55	0.55	0.00	10.24	4816.90	29	0.00	0.00	0.00	0.00	0.97	451.66	29	0.00	0.00	0.00	0.00	0.00	0.00
30	31.41	0.55	0.55	0.00	9.70	4838.61	30	0.00	0.00	0.00	0.00	0.91	450.75	30	0.00	0.00	0.00	0.00	0.00	0.00
31	31.41	0.55	0.55	0.00	12.59	4857.43	31	0.00	0.00	0.00	0.00	1.17	449.58	31	0.00	0.00	0.00	0.00	0.00	0.00
	771.84	17.05	17.05	0.00	306.99			0.00	0.00	0.00	0.00	31.64			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4303.20							3221.78							600.20
1	15.21	0.00	0.55	0.00	15.86	4302.00	1	14.45	0.00	0.55	0.00	11.88	3223.80	1	0.76	0.00	0.00	0.00	2.21	598.75
2	15.05	0.00	0.55	0.00	15.90	4300.60	2	14.30	0.00	0.55	0.00	11.92	3225.63	2	0.75	0.00	0.00	0.00	2.21	597.29
3	15.09	0.00	0.55	0.00	30.34	4284.80	3	14.33	0.00	0.55	0.00	22.75	3216.66	3	0.76	0.00	0.00	0.00	4.22	593.83
4	16.10	0.00	0.55	0.00	15.45	4284.90	4	15.29	0.00	0.55	0.00	11.60	3219.80	4	0.81	0.00	0.00	0.00	2.14	592.50
5	16.27	0.00	0.55	0.00	7.99	4292.63	5	15.46	0.00	0.55	0.00	6.01	3228.70	5	0.81	0.00	0.00	0.00	1.10	592.21
6	14.84	0.00	0.55	0.00	15.01	4291.91	6	14.10	0.00	0.55	0.00	11.29	3230.96	6	0.74	0.00	0.00	0.00	2.07	590.88
7	14.86	0.00	0.55	0.00	7.03	4299.19	7	14.12	0.00	0.55	0.00	5.29	3239.24	7	0.74	0.00	0.00	0.00	0.97	590.65
8	14.99	0.00	0.55	0.00	7.04	4306.59	8	14.24	0.00	0.55	0.00	5.30	3247.63	8	0.75	0.00	0.00	0.00	0.97	590.43
9	15.07	0.00	0.55	0.00	7.06	4314.05	9	14.32	0.00	0.55	0.00	5.33	3256.07	9	0.75	0.00	0.00	0.00	0.96	590.22
10	15.04	0.00	0.55	0.00	7.54	4321.00	10	14.29	0.00	0.55	0.00	5.69	3264.12	10	0.75	0.00	0.00	0.00	1.03	589.94
11	14.87	0.00	0.55	0.00	7.57	4327.75	11	14.13	0.00	0.55	0.00	5.72	3271.98	11	0.74	0.00	0.00	0.00	1.03	589.65
12	14.88	0.00	0.55	0.00	6.58	4335.50	12	14.13	0.00	0.55	0.00	4.97	3280.59	12	0.75	0.00	0.00	0.00	0.90	589.50
13	30.82	0.00	0.55	0.00	6.63	4359.14	13	29.28	0.00	0.55	0.00	5.02	3304.30	13	1.54	0.00	0.00	0.00	0.90	590.14
14	31.04	0.00	0.55	0.00	7.74	4381.89	14	29.49	0.00	0.55	0.00	5.87	3327.37	14	1.55	0.00	0.00	0.00	1.05	590.64
15	30.79	0.00	0.55	0.00	7.79	4404.34	15	29.25	0.00	0.55	0.00	5.91	3350.16	15	1.54	0.00	0.00	0.00	1.05	591.13
16	30.62	0.00	0.55	0.00	8.37	4426.04	16	29.09	0.00	0.55	0.00	6.36	3372.34	16	1.53	0.00	0.00	0.00	1.13	591.53
17	30.62	0.00	0.55	0.00	11.64	4444.47	17	29.09	0.00	0.55	0.00	8.86	3392.02	17	1.53	0.00	0.00	0.00	1.56	591.50
18	30.62	0.00	0.55	0.00	10.14	4464.40	18	29.09	0.00	0.55	0.00	7.74	3412.82	18	1.53	0.00	0.00	0.00	1.35	591.68
19	30.71	0.00	0.55	0.00	4.32	4490.24	19	29.17	0.00	0.55	0.00	3.31	3438.13	19	1.54	0.00	0.00	0.00	0.57	592.65
20	30.71	0.00	0.55	0.00	5.97	4514.43	20	29.17	0.00	0.55	0.00	4.57	3462.18	20	1.54	0.00	0.00	0.00	0.79	593.40
21	30.86	0.00	0.55	0.00	7.08	4537.66	21	29.32	0.00	0.55	0.00	5.43	3485.52	21	1.54	0.00	0.00	0.00	0.93	594.01
22	31.18	0.00	0.55	0.00	7.65	4560.64	22	29.62	0.00	0.55	0.00	5.88	3508.71	22	1.56	0.00	0.00	0.00	1.00	594.57
23	31.16	0.00	0.55	0.00	7.67	4583.58	23	29.60	0.00	0.55	0.00	5.90	3531.86	23	1.56	0.00	0.00	0.00	1.00	595.13
24	31.05	0.00	0.55	0.00	5.50	4608.58	24	29.50	0.00	0.55	0.00	4.24	3556.57	24	1.55	0.00	0.00	0.00	0.71	595.97
25	31.23	0.00	0.55	0.00	3.86	4635.40	25	29.67	0.00	0.55	0.00	2.98	3582.71	25	1.56	0.00	0.00	0.00	0.50	597.03
26	31.23	0.00	0.55	0.00	11.60	4654.48	26	29.67	0.00	0.55	0.00	8.97	3602.86	26	1.56	0.00	0.00	0.00	1.49</	

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						89.38							0.00
1	0.00	0.55	0.00	0.00	0.33	89.60	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.55	0.00	0.00	0.33	89.82	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.55	0.00	0.00	0.63	89.74	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.55	0.00	0.00	0.32	89.97	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.55	0.00	0.00	0.17	90.35	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.55	0.00	0.00	0.32	90.58	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.55	0.00	0.00	0.15	90.98	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.55	0.00	0.00	0.15	91.38	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.55	0.00	0.00	0.15	91.78	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.55	0.00	0.00	0.16	92.17	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.55	0.00	0.00	0.16	92.56	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.55	0.00	0.00	0.14	92.97	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.55	0.00	0.00	0.14	93.38	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.55	0.00	0.00	0.17	93.76	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.55	0.00	0.00	0.17	94.14	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.55	0.00	0.00	0.18	94.51	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.55	0.00	0.00	0.25	94.81	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.55	0.00	0.00	0.22	95.14	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.55	0.00	0.00	0.09	95.60	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.55	0.00	0.00	0.13	96.02	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.55	0.00	0.00	0.15	96.42	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.55	0.00	0.00	0.16	96.81	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.55	0.00	0.00	0.16	97.20	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.55	0.00	0.00	0.12	97.63	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.55	0.00	0.00	0.08	98.10	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.55	0.00	0.00	0.25	98.40	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.55	0.00	0.00	0.20	98.75	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.55	0.00	0.00	0.21	99.09	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.55	0.00	0.00	0.21	99.43	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.55	0.00	0.00	0.20	99.78	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.55	0.00	0.00	0.26	100.07	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	17.05	0.00	0.00	6.36			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							89.38
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.55	0.00	0.00	0.33	89.60
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.55	0.00	0.00	0.33	89.82
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.55	0.00	0.00	0.63	89.74
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.55	0.00	0.00	0.32	89.97
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.55	0.00	0.00	0.17	90.35
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.55	0.00	0.00	0.32	90.58
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.55	0.00	0.00	0.15	90.98
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.55	0.00	0.00	0.15	91.38
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.55	0.00	0.00	0.15	91.78
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.55	0.00	0.00	0.16	92.17
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.55	0.00	0.00	0.16	92.56
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.55	0.00	0.00	0.14	92.97
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.55	0.00	0.00	0.14	93.38
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.55	0.00	0.00	0.17	93.76
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.55	0.00	0.00	0.17	94.14
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.55	0.00	0.00	0.18	94.51
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.55	0.00	0.00	0.25	94.81
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.55	0.00	0.00	0.22	95.14
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.55	0.00	0.00	0.09	95.60
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.55	0.00	0.00	0.13	96.02
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.55	0.00	0.00	0.15	96.42
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.55	0.00	0.00	0.16	96.81
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.55	0.00	0.00	0.16	97.20
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.55	0.00	0.00	0.12	97.63
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.55	0.00	0.00	0.08	98.10
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.55	0.00	0.00	0.25	98.40
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.55	0.00	0.00	0.20	98.75
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.55	0.00	0.00	0.21	99.09
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.55	0.00	0.00	0.21	99.43
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.55	0.00	0.00	0.20	99.78
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.55	0.00	0.00	0.26	100.07
	0.00	0.00	0.00	0.00	0.00			0.00	17.05	0.00	0.00	6.36	