

ORIGINAL



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Docket Control Center  
ACC  
1200 W. Washington St.  
Phoenix, AZ. 85007

January 9, 2013

Docket # W-03912A-11-0014

Sunizona Water Co.  
5416 E. Hwy 181  
Pearce, AZ. 85625

Dear Sirs,

Attached is the water losses incurred by Sunizona Water Co. during the time period of 11/1/2011 thru 12/1/2012.

Sincerely,

*N.D. Balis*

Arizona Corporation Commission  
**DOCKETED**

JAN 11 2013

DOCKETED BY	<i>JM</i>
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DOCKET CONTROL  
AZ CORP COMMISSION

Date	Water Pumped	Water Sold	Loss
11/1/2011	772,370	137,102	635,268
12/1/2011	265,960	195,025	70,935
1/1/2012	320,230	217,870	102,360
2/1/2012	332,300	200,962	131,338
3/1/2012	304,410	217,640	86,770

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Number in Gallons

Sunizona Water Company  
Well History Summary Report

date:01/10/13

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<u>Reading Date</u>	<u>Well#1 Reading</u>	<u>Well #2 Reading</u>	<u>Well #3 Reading</u>	<u>Well#4 Reading</u>	<u>Well#5 Reading</u>	<u>Water Pumped</u>	<u>Total use Per Meter</u>	<u>System Losses</u>	<u>Loss % Diff.</u>	<u>% of Total</u>
04/01/12	2417490						271140		0.00	14.82
05/01/12	2756180					338690	291729	46961	13.87	15.95
06/01/12	3123350					367170	267415	99755	27.17	14.62
07/01/12	3454135					330785	215581	115204	34.83	11.79
08/01/12	3784920	0				330785	228415	102370	30.95	12.49
09/01/12	4084880	0				299960	163053	136907	45.64	8.91
10/01/12	4310180	0				225300	173064	52236	23.19	9.46
11/01/12	4516990					206810	122510	84300	40.76	6.70
12/01/12	4722070					205080	96201	108879	53.09	5.26
01/01/13	4901830					179760	0	179760	100.00	0.00
% total	100.00	0.00	0.00	0.00	0.00					
Gallons:	2484340		0		0		1829108		37.29	
		0		0		2484340		926372		100.00
acre-feet:	7.62		0.00		0.00		5.61			
		0.00		0.00		7.62		2.84		

- Notes on formulae used:
- 1) Water Pumped is total of Well readings (this month-last month)
  - 2) Total use per Meter = Customer total usage per meter readings
  - 3) System Losses = Water Pumped-Total use per Meter by line
  - 4) Loss % Diff = System Losses this line / G.T. Water Pumped (\*100%)
  - 5) % of Total = Total use per Meter this line / G.T. Total use per Meter (\*100%)
  - 6) Well % total = gallons pumped by Well / Water Pumped G.T. (\*100%)
  - 7) Conversion to acre-feet is 325851.42857 gallons

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Dear Sirs,

During the time period that we monitored the water losses we encountered several issues.

1. In the 11/1/2011 month a main line out in the desert was run over and broke and not detected for 2 days resulting in the high number of gallons pumped.
2. Every month we checked the lines of the system, looking for leaks and not discovering any.
3. Through the months we did incur cattle braking lines and meters causing a lot of water loss.
4. We've had problems of theft of water through the fire hydrants. We're trying to monitor this issue as best as we can.
5. We feel now that this is a master meter problem. We put a new meter in on 2/1/20011 and the losses were very low ( the reasons for the change were in Feb. of 2011 we had a huge freeze that damaged the meter).
6. We now realize that something has gone wrong with this meter and we've changed it out with a new one (1/3/2013) and sent the old meter out to be calibrated.