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May 25, 2004

Colleen Ryan  
Docket Control  
Arizona Corporation Commission  
1200 W. Washington  
Phoenix, AZ 85007

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2004 MAY 26 P 1:38  
AZ CORP COMMISSION  
DOCUMENT CONTROL

Re: Chaparral Water Company; Docket No. W-02393A-03-0312;  
Decision No. 66395, dated October 6, 2003; Compliance

Dear Ms. Ryan:

The compliance date for Chaparral Water Company to file the Water Loss Report required by the subject Decision has been extended to June 1, 2004 by Procedural Order.

Attached hereto please find 15 copies of the Leak Detection/Repair Report prepared by the Company's certified operator. The Company is of the opinion that completion of the items listed in the Report will result in the Test Year water losses of 11.7 percent being reduced to less than the target 10 percent.

In the event we can provide additional information in this regard, please do not hesitate to call.

Sincerely,

Richard L. Sallquist  
For the Firm

Arizona Corporation Commission

**DOCKETED**

MAY 26 2004

DOCKETED BY

Enclosures

cc: Bryan Bozzo  
Eric Young

# B & J SERVICES

Bob Gonzalez

18009 W. Happy Valley Rd.  
Wittman, AZ 85361

Phone: (623) 584-0649  
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Date: May 10, 2004

To: Eric Young

From: Bob Gonzalez

Re: Chaparral Water Company's progress and findings.

Dear Eric,

Enclosed please find the color coded map on the current water meter replacement (56) and the additional water meters that should be replaced. The meters replaced were in very bad shape and all appear to be quite old and that follows trend with the ones that should be replaced.

Larry and I have walked every roadway and alley-way for possible discrepancies and or meter tampering. We have found some, especially after service has been turned off for non-payment. I would say that at least 20% of the meters have a gate valve for shut off on the company's side of the meter instead of the normal shut off valve with a ring on it for locking purposes. So people play games with us. I have, in some cases put a thin blank washer between the meter and the shut off gate valve; in other cases I can't even do that. Right now I am concentrating on replacing the old meters and we'll worry about the valves later because of the extra time involved and in some cases turning off service to do the work.

Other findings:

1. Behind Well site #2 and hidden by brush and growth, we discovered two (2) leaks about 75 to 100 feet apart from each other which were both quite bad. The leaks have been corrected, one Tuesday and the other Friday of this past week.
2. Saturday May 8<sup>th</sup>, a customer brought to my attention of a leak on 204<sup>th</sup> place and south of Bunker Peak. It appears that it's quite bad and went unnoticed because of the public right-of-way, growth and bushes. We will take care of it this coming week.
3. ( Well site #3 ) Since the air compressor went out and the pressure tank got water logged we had to use my compressor to equalize the air/water level on the tank and at the same time I did some modifications to correct any air leaks. In the mean time I noticed that when the submersible pump went off, the storage tank water was going back into the well, indicating that the check valve was not closing and it could be that the check valves on the column pipe may not be

- closing completely. The 3" check valve was replaced Thursday May 6<sup>th</sup>. There is no way of saying how long it was defective; however water loss is unknown also.
4. Secondly and possibly the most important, because of the different storage tank capacities and the different pumping output of the submersible pumps, we constantly have to adjust the stop and run function of the booster pumps at Well #1 and Well #3, one higher and the other lower and vice-versa. Now, we discovered that there is no check valve between the storage tank and the distribution system at Well #3, therefore if the booster pump setting is set higher at Well #1 and lower at Well #3 there is nothing to keep water from the distribution system to go into Well #3 storage tank. The difference in elevation from Well #1 (Patton Rd.) to Well #3 (Jomax) I would say is at least 20 feet therefore generating 8 or 10 pounds more system pressure at Jomax.

Well #3 submersible pump puts out 52 gallons per minute or about 31,200 gallons into the storage tank in a 10 hour period, minus customer use.  
Well #3 storage tank is 33.07' in diameter and 28 feet high, or 6,432 gallons per foot.

One time this past week upon checking the storage tank water-level (Well #3) in the evening and again the following morning, I was surprised to notice that the tank was on the verge of starting to flow over. Or in my calculations about 3 + feet more than it should have. Based on the well production if in fact my theory has any merit and if this occurs 2 or 3 times per month it could add up to a lot of unaccounted water.

A 4" check valve has been ordered and will be installed this week.

Also could you tell Dick with the ACC that the well site meters are read each and every month when the customers' meters are read.

Every effort is being put forth to correct any and all water loss problems as well as mechanical deficiencies to upgrade the system. The water meters are read around the 20<sup>th</sup> of every month, the billings are sent out around the end of the month. I will continue to keep tabs on the water pumped verses the water billed for and hopefully by this months reading we will get better results. In the mean time I will continue to look for and correct problems within the system.

Any questions, please call me.

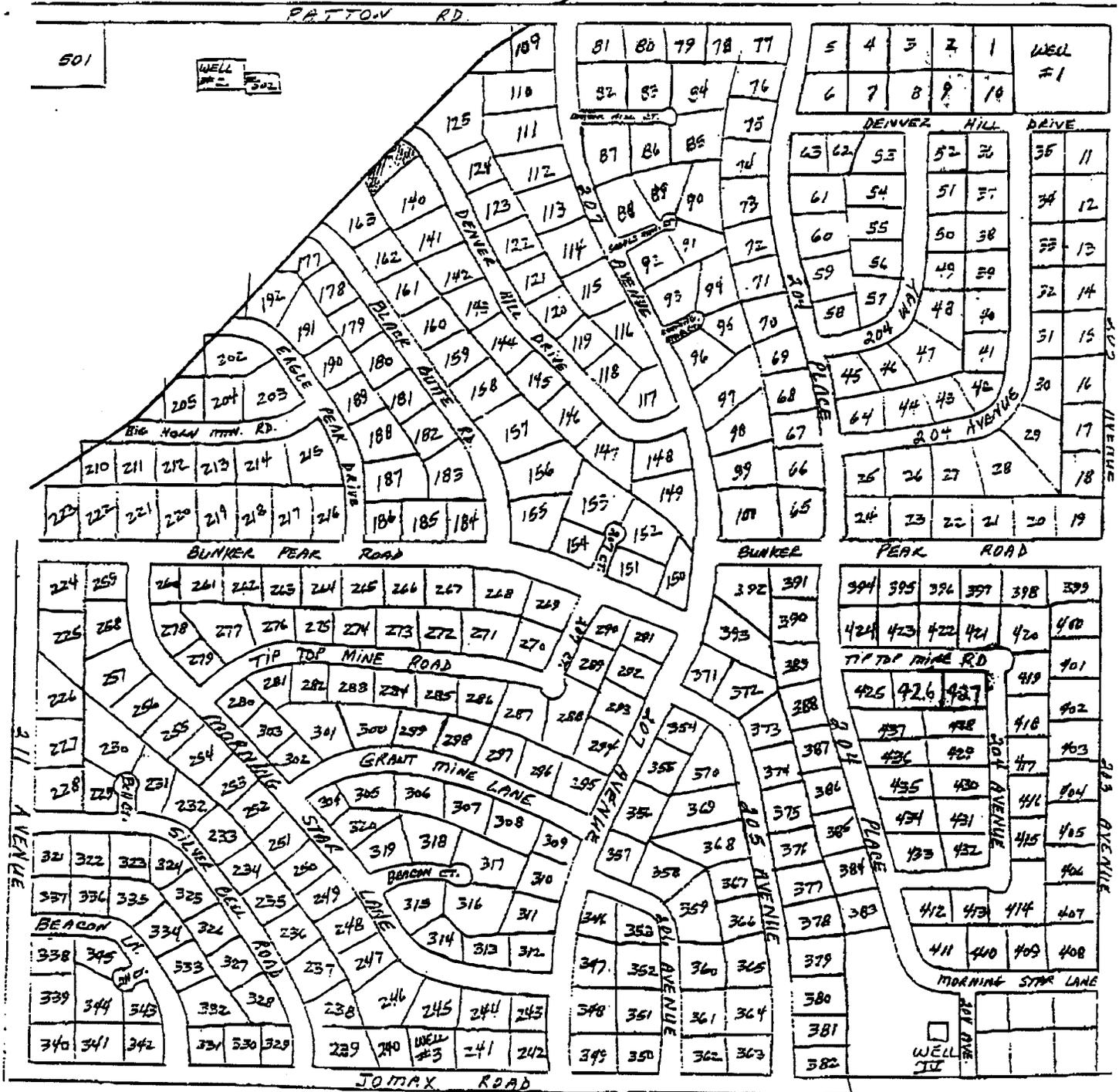
Thanks,

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Bob Gonzalez

#  
OF WATER METERS CHANGED

WATER METERS TO BE CHANGED



RETENTION POND  
& FIELD