

April 26, 2024

Mace Jacobs Barber RWD 3 14873 NW River Rd. Lake City, KS 67071

Dear Mace,

It was a pleasure to assist you with the well testing on the district's two new supply wells. The wells both tested okay on each item and I did not find any deficiencies or problems. The west well had the best capacity with virtually no drawdown. This testing is part of a management program that should be performed at least annually to identify any problems and schedule maintenance instead of reacting to a crisis.

East Supply Well

Static Water Level: 81.35 feet Pumping Water Level @ 30 minutes 84.95 feet Discharge Rate: 70 gpm Drawdown: 3.6 feet Specific Capacity: 19.4 g/ft Shut off Head: 105 psi

Voltage

- L1-L2, 250 Volts AC
- L2-L3, 245 Volts AC
- L1-L3, 248 Volts AC

Amperage

- L1, 19.4 Amps
- L2, 19 Amps
- L3, 19 Amps

West Supply Well

Static Water Level: 85.3 feet Pumping Water Level @ 30 minutes 85.35 feet Discharge Rate: 73 gpm Drawdown: .05 feet Specific Capacity 1460 g/ft Shut off Head: 110 psi

Voltage

- L1-L2, 249
- L2-L3, 248
- L1-L3, 249

Amperage

- L1, 19 Amps
- L2, 19.5 Amps
- L3, 19.7 Amps

Funding for this assistance was provided through a contract between the Kansas Water Office and KRWA as a benefit of the Clean Drinking Water Fee. Please call any time at 620-931-0394 or the KRWA office at 785-336-3780 if anyone can be of help. For news, information, training schedules and more about KRWA programs, visit the website at www.krwa.net.

Sincerely,

Jon

Jon Steele Technical Assistant

C: Pat Bedwell, Chairman Kirk "TJ Tjelmeland, Kansas Water Office



May 6, 2024

Terry Baker City of Robinson PO Box 38 Robinson, KS 66523

Dear Terry;

The Kansas Rural Water Association provided assistance to your water system concerning storage tank maintenance. This letter is to confirm our discussion and to also advise the Kansas Water Office the type of assistance that KRWA provides under a contract administered by the Water Office.

The city has scheduled to do storage tank maintenance and will need to have the storage tank off-line for a few hours for cleaning.

After looking at city's water distribution system, I am confident that the city can obtain adequate supply from the Public Wholesale District 27 connection with direct pressure. There is already a pressure reducing value in place. I still recommend to install several relief (blowoff) values on the fire hydrants to protect against any potential of overpressuring the Robinson system.

There is not a good way to drain the storage tank. We reviewed the benefit of adding a hydrant between the storage tank and the line that supplies the storage tank. After visiting wit the tank maintenance company, they have agreed to install a valve at that location.

Funding for the above assistance was provided through a contractual arrangement between the Kansas Water offices and KRWA. Also, visit the KRWA website <u>www.krwa.net</u> for news and information concerning water and wastewater utilities, training opportunities and other KRWA programs.

Sincerely,

lonnie

Lonnie Boller Surface Water Tech

C: Mark Lieneman, Council Member T. J. Tjelmeland, Kansas Water Office



May 6, 2024

Roger Engemann Doniphan RWD 5 PO Box 304 Troy, KS 66087

Dear Roger;

This is a follow-up letter to my recent visit to the water district concerning the district's pumphouse and rechlorination system.

During my visit, we successfully brought the re-chlorination station into service. This involved replacing injectors and tubing, as well as the pump tube. These measures are expected to maintain the system's trouble-free operation throughout the summer. We also calibrated the feed rates, ensuring the correct dosages of chlorine and ammonia are being injected, further enhancing the system's efficiency.

As part of our proactive approach, we adjusted the feed rates to increase chlorine in the distribution system. This measure aims to minimize the amount of flushing needed this summer. To maintain optimal conditions, I recommend keeping the chlorine residuals at 2 mg/L or higher in the water storage tanks.

We also checked and calibrated the chlorine analyzer to ensure it was reading correctly.

Funding for the above assistance was provided through a contractual arrangement between the Kansas Water Office and KRWA. Please call Kansas Rural Water Association if we can be of further assistance. Also, visit the KRWA Web site at <u>www.krwa.net</u> for news and information concerning water and wastewater utilities, training opportunities and other KRWA programs.

Sincerely,

Lonnie

Lonnie Boller Water Tech

C: Bill Huss, Chairman

T. J. Tjelmenland, Kansas Water Office



June 18, 2024

Kurtis Martin City of Winchester PO Box 123 Winchester, KS 66097

Dear Kurtis,

This is a follow-up letter concerning the recent water loss survey we conducted for the city. An older fire hydrant at 5th and Pine Street was identified as leaking. We used the sub-surface leak detector to determine the leak on that hydrant. When we closed the valve to the hydrant, the noise was discontinued. This is an older hydrant that was installed in about 2011. We did discuss trying to repair the hydrant, but with the age of it, we decided it would probably be best to install a new one. Replacing the hydrant will help reduce water loss. We estimated the loss at 2 gpm and by using a cost of \$2.50 per thousand, the monthly cost is 86,400 gallons / 1000 x \$2.50 or \$216.

The above assistance was provided through a contractual arrangement between the Kansas Water Office and the Kansas Rural Water Association (KRWA), with funding provided as a benefit of the Clean Drinking Water Fee.

If you have any questions or need further assistance, please don't hesitate to contact KRWA at 785-336-3760 or me at 913-370-0097. I also encourage you to visit the KRWA website at https://krwa.net. It's a valuable resource for news and information about water and wastewater utilities, training opportunities, and other KRWA programs. You'll also find recent updates on water rates for RWDs and cities.

Respectfully,

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Tony Kimmi Technical Assistant

C: Jared Pemberton, Mayor Brandy Morris, Treasurer/Utility Clerk Kirk Tjelmeland, Kansas Water Office