

QUIGLEY CREEK OPERATORS

System: Ranch View Estates

Date: 6/10/2025

Water usage:

The total flow through the domestic side of the system for the month of May was 490,652 gallons for an average daily flow rate of 15,827 gallons. This is a slight increase from April by only 2,000 gallons per day and when looking back at previous years it is slightly less than average which is good to see. For the irrigation side of the system the total flow was 4,047,950 total gallons for an average daily flow rate of 130,579 gallons. This is again a substantial increase in usage from last month by 3,476,322 total gallons.

Projects:

On May 30th I performed a draw down test on the east irrigation well and found no drop in water level even with the pump running. After further investigation I found that well pump was only drawing 7 amps which indicated that the motor was not being put under any working load. We were able to pull the pump on the 31st and found that the splines that connect the motor to the pump were completely gone which indicates that the well is running dry. We were able to install a new pump but due to the outdated VFD's that operate the pumps we were unable to adjust the wells to run as required to put less stress on the East irrigation well. We were able to get two new VFD's and install one of them on June 8th. I am still waiting for the electrician to install the second VFD because the program will need to be adjusted to have the wells run independent from each other. This is now the second time that the east well has run dry and now is only able to produce 85 gallons per minute as apposed to 300+ gallons per minute when originally drilled in 2003.