PROPOSED SOLUTIONS SO FAR...

SHUT OFF ALL MDS WELLS

X

This takes away too many farmers' livelihoods.

SHUT OFF END GUNS

X

This will not solve the problem. This kicks the can down the road, assuring major across-the-board cuts in the future.

COMPROMISE SOLUTION THAT WILL WORK...

ALLOT MDS WELLS 7"

- The Kansas statute K.S.A. 82a-703a, b and c: Minimum Streamflows Established states that the chief engineer is required to withhold appropriation FROM MDS WELLS when the stream isn't flowing. It also states that all junior and senior rights ARE NOT subject to "any minimum desirable streamflow requirements."
- It is better to offer the chief engineer a solution that **will work now** before he comes up with his own drastic solutions against MDS wells. He has stated off the record that he knows the end gun program won't work.
- Seven inches is more than enough water to make a good living on irrigated wheat. Allocating MDS well owners 7" gives them enough water to not only survive but thrive while satisfying the law and avoiding unnecessary legal expenses.
- Precedent has been set with this in the Lower Republican River Basin. The chief engineer made a deal with them for 6" a year, and they took it.

THE MATH

Irrigated Circle	ROI with Current 2019 Prices*	Water Needed (Inches) - Worst Case Scenario/ Dry Year	Typical Water Allotted (Inches)	Percent of Water NOT Used	AF Saved (12 inches = 1 AF)
Wheat	120%	7	16	56%	110
Corn	85%	16	16	0%	0
Beans	45%	12	16	26%	50

- **There are approximately 34,500** AF of MDS wells in the seahorse. Divide that by 195 AF per well, and you get about 180 MDS wells in the seahorse. If they are each reduced by 50-60% and just plant irrigated wheat, they each save 110 AF a year. 110 AF X 180 wells is 19,800 AF saved. This coupled with a 4,000 AF buyback satisfies the chief engineer's requirements.**
- MDS owners can BANK water in wet years to easily have enough water to rotate to beans, or there is also the possibility of going to grass two years for cattle, BANKING all water, and growing corn one year if needed for rotation. There are many possibilities that can provide a sustainable living on 7".

Please keep in mind, that the Mystery River Drainage Area should be removed from all proposed solutions as the water does not flow to Quivira/Zenith. Per USGS surveys the water flows north-northeast.

*based on Crane Farm's calculations
**based on the best information available