




Onboarding for DOC Irrigation Technology Initiatives **Irrigation System Evaluations**
And RCPP-DOC-High Plains Aquifer project

PRE-TEST DELIVERABLES REQUIRED FROM FARMERS BEFORE EVALUATION

File/Water Right No. _____ Legal _____ Lat/Long _____, - _____
(decimal degrees) Farm Name _____ Contact _____ Cell # _____
Email _____ PDIV _____
Field Name _____

- 1) Google Earth *.kmz Elevations at:
Each well/pump _____
Base of Pivot _____
At End Tower Highest _____ Lowest _____
- 2) Sprinkler package Design from WISH, V-Chart, Z-Chart or others. If WISH, # _____
GPM _____ PSI on top at pivot _____
- 3) Kansas Geologic Survey, KGS documents
 - a. WIMAS page for each active well with annual water use table
 - b. WWC5 page Well Drillers Log for each well
 - c. WIZARD page for any of the wells or a nearby well
 - d. <https://kgs.ku.edu/water-resources-and-geohydrology> 
- 4) Pump details from an invoice or otherwise
 - a. Depth of Well _____
 - b. Depth of Pump intake _____
 - c. Pump Assembly Details and Design
 - i. Model _____
 - ii. Number of stages and trim Full or otherwise _____
 - iii. Design Q-gpm _____ Design Total Dynamic Head, TDH-ft _____
- 5) PSI/Position graph for past and current years from AgSense, FieldNet, FieldWise, AP
Desired location is end tower. Specify location
- 6) Do you have measurement tube or pump base access for Sounder cable?
- 7) Have you installed Pressure gauge Isolation Valve attachment at following locations
 - a. Pump discharge
 - b. Before/After each butterfly valve
 - c. Base of Pivot or on Riser
- 8) Annual Energy Use for each pumping plant - Please Attach
 - a. Electrical Use Report kw hours, \$ total
 - b. Diesel delivered to each pumping plant if available
 - c. Natural Gas delivered to each pumping plant if available
- 9) Yield map of the previous year- Please Attach
- 10) Cropping for previous year and current year. Full _____ or Part Circle
If part circle crops on each part

