

Item 9c – District Well Assistance Plan Update

District staff was task with locating and identifying Simsboro water wells that may be significantly affected by the future pumping from the UW Brazos Valley Farm LLC project following the issuance of production permits. The location project began in mid-October 2022 with a “boots on the ground” approach. Every well was to have an onsite visit to determine:

- Latitude/Longitude
- Land Elevation
- Static water level (water level in the well minus the measuring point above land surface)
- Aquifer of Origin (determined by obtaining the “Above Sea Level” (ASL) value. ASL is calculated eliminating the variation in land surface from well to well (Land elevation - Static Water Level = ASL). All well values are then comparable.
- Pumping equipment
- Driller’s well log (if available). Knowledge of the construction of the well is important to the determination of the mitigation technique (if any) to be employed and the order in which mitigation will occur.

District staff set about measuring water levels in all wells within a ten-mile radius of the UW center of pumping. Many of the wells were determined to be Calvert Bluff Aquifer wells, but a complete file was developed for future reference. Several Calvert Bluff wells have been added to the District monitoring well network as a result of comments made by the public during the public stakeholder meeting held October 5, 2023. It is important the public trust that the pumping effect from the UW project does not impact Calvert Bluff wells in proximity to the project.

The area of investigation referencing the UW Brazos Valley Farm LLC pumping center extends:

- Twelve (12) miles N
- Nineteen (19) miles NE
- Thirteen (13) miles ENE
- Sixteen (16) miles E
- Ten (10) miles ESE
- Twenty-one (21) miles SE
- Twenty-four (24) miles SSE
- Five (5) miles S
- Six (6) miles NW
- Thirteen (13) miles NNW

May 15, 2023 was set as a deadline for identifying Simsboro wells and collecting the necessary information. Below is a breakdown of wells identified as of May 26, 2023:

- Simsboro – 286 (on the list for possible mitigation)
- Calvert Bluff – 87 (not eligible for mitigation)
- Hooper – 16 (not eligible for mitigation)
- Simsboro but non-participating – 2 (remain on the mitigation list)
- Contacted (no response to date) – 6 (need to be investigated)

There will be more wells brought to our attention prior to and after pumping begins. The District Well Assistance Fund list will likely be further refined by work being done north of Calvert to identify the stratigraphy of the faulted region more accurately.