## Geologic Characterization for CO<sub>2</sub>-EOR Simulation: a Case Study of the Farnsworth Unit, Anadarko Basin, Texas

dioxide (CO<sub>2</sub>) enhanced oil recovery (EOR) and carbon sequestration. The Regional Partnership on Carbon Sequestration carbon capture, utilization and Technology Laboratory. The target reservoir is the upper Morrow sandstone (Morrow-B).









prolific oil production from the FWU.



A new 3D seismic survey was used to improve the preliminary reservoir model. Several faults that were previously unknown were interpreted from the seismic data – fault traces are shown on the figure at left. Time to depth conversions also allowed refinement of the geologic model. Compare figures above (preliminary), with those below (most recent) that show the results of the most recent fine-scale