

Tenth Year Review of Tulsa University Artificial Lift (TUHWALP) Consortium

The Tulsa University Horizontal Well Artificial Lift Projects (TUHWALP), established with the leadership of ALRDC in 2012, addresses the challenges of horizontal wells and develops new methods for advancing artificial lift and other production-related technologies. Our mission is to work cooperatively with the oil and gas industry to develop data science and physics-based models, technologies, and predictive tools; that enhance the knowledge and effectiveness related to the production of horizontal oil and gas wells.

Since 2012, TUHWALP has developed new technologies in various subjects, including Guidelines for Horizontal Well Artificial Lift, Multiphase Flow Characterization in Horizontal Wells, Liquid Loading, Plunger Lift, Foam Lift, Downhole Separation, ESP-Multiphase Flow Interaction (Motor Heating), and Sand Transport. In this presentation, we will provide a summary of the value generated by TUHWALP and present an update on current TUHWALP activities.