

Purpose-Fit Portable Multi-Phase Production Measurement System
Contract No. G-015-32

This is a project submitted by Ward Williston Oil Company. The project duration is 14 months. Total cost of the project is \$196,000 with \$98,000 provided from the Oil and Gas Research Fund. The purpose of this study is to create and use a purpose-built portable production measurement system to measure flow rates from pumping wells involved in conventional and enhanced recovery operations. Data is critical for developing existing fields as enhanced recovery candidates; fluid and gas measurement can be expensive especially if individual flow lines, and production manifolds have to be installed in order to test individual wells. There is also the question of the environment as the installation of flow lines, treaters, etc. may disturb existing ecosystems. It is hoped that the success of the project will allow small to medium size operators to measure individual well performance accurately using a fit for purpose system, at an affordable cost, negating the need to install individual flow lines, manifolds, etc. thereby reducing the overall costs of implementing the project while decreasing the impact on the environment.