PROCESS DESCRIPTION
W. H. Rhodes Fed B NCT-1 Commingled Tank Battery

Wells producing into the facility are brought into one of two headers. One header is for the Rhodes NCT COOP Fed Com wells (lease line wells) and the other header is for the W. H. Rhodes Fed B NCT-1 non-lease line wells. The lease line wells production will go into a three phase separator where oil and water will be measured with meters that have ± 1% accuracy. The oil will be discharged directly to the sales tank where it will combine with oil from the non-lease line wells. Produced water from the lease line wells will be discharged into a line going to the Rhodes Coop Waterflood station. Gas from the lease line wells will be measured prior to combining with gas from the non-lease line wells.

The non-lease line wells will produce into a two phase separator where gas will be separated from the fluids. Gas from this separator will go directly to the gas sales meter. Fluid will be discharged into a free water knockout (FWKO) where a majority of the water will be separated from the oil and discharged to the line going to the Rhodes Coop Waterflood station. The remaining oil and water will be discharged into the gunbarrel where final separation of oil and water will occur. The oil from the gunbarrel will go into the sales tank where it will then combine with the measured oil from the lease line wells. All oil is then sold through a LACT unit.

Well tests will be obtained from a three phase separator. Control valves between the headers and test separator will be utilized to ensure that the test well's production is diverted back to the proper header for measurement before commingling takes place.

A vapor recovery unit will collect gases from the gunbarrel and stock tanks. Recovered gases will be sold and allocated back to wells based on oil production.