

3. A portion of the reservoir fluid was transferred at 225°F and 4500 psig to the windowed cell. The pressure on the contents of the windowed cell was first lowered to 1500 psig, then the pressure of the fluids in the windowed cell was increased incrementally; and measurements of the volumes of equilibrium gas and liquid were made at several pressures. By extrapolation of a plot of percent liquid volume versus pressure and visual observation of the disappearance of the last trace of liquid, the dew point pressure of 3320 psig at 225°F was determined. The results of this work are shown in Tables II and III.
4. Next, the pressure on the contents of the windowed cell at 225°F was lowered from the dew point pressure of 3320 psig by slow bleeding of a portion of the gas phase in simulating the reservoir depletion process. Measurements of the equilibrium liquid and gas phase volumes were made at several pressures during this test. The results of these investigations are given in Table III.
5. A portion of the equilibrium gas phase, remaining at 225°F and 1515 psig in the depletion test, was analyzed and the composition obtained is shown in Table IV.