

RELATIVE PERMEABILITY

CTV IV

Relative Permeability

As the reservoir will be a gas-water phase system, a two-phase relative permeability relationship is needed to determine the flow characteristics of each component and/or phase, where K_{rw} (water relative permeability) and K_{rg} (gas relative permeability) is a function of water saturation. Relative permeability data acquired from core flood of samples taken from [REDACTED], were used. The data was normalized, averaged and then denormalized, and finally the Corey correlation was used to smooth and generate the final curves. **Figure 1.** shows the relative permeability curves used in the computational model with endpoint scaling.

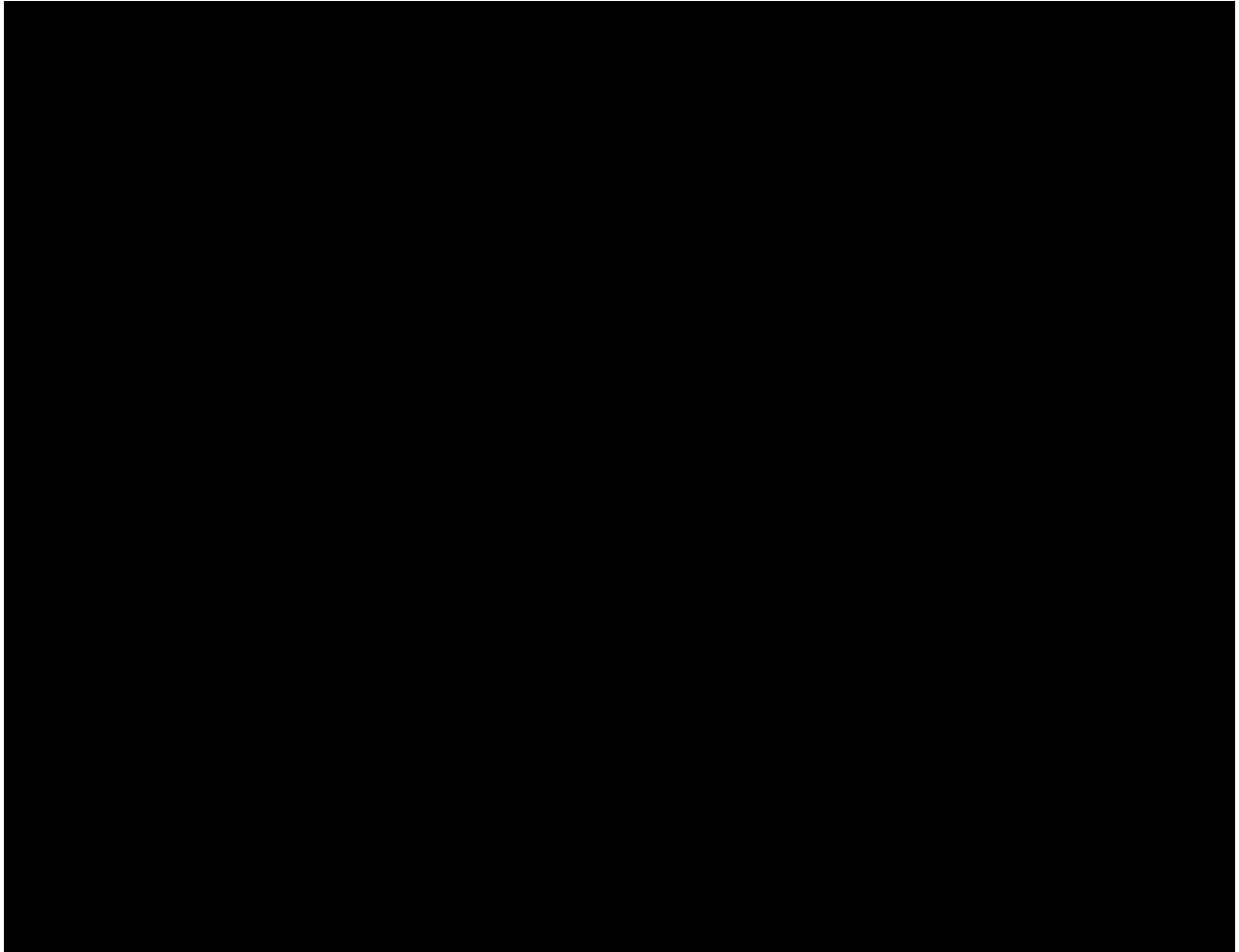


Figure 1. Relative permeability curves for Gas-Water System.
