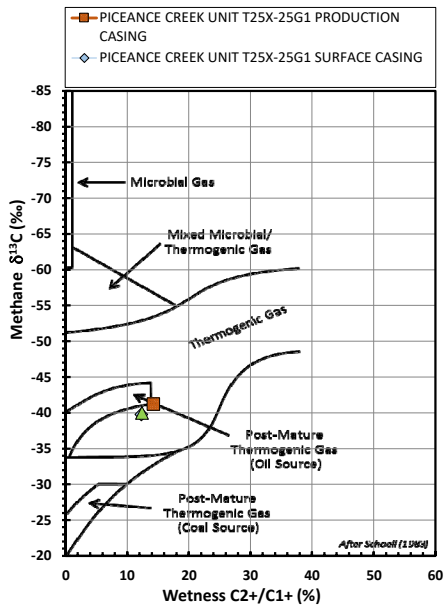
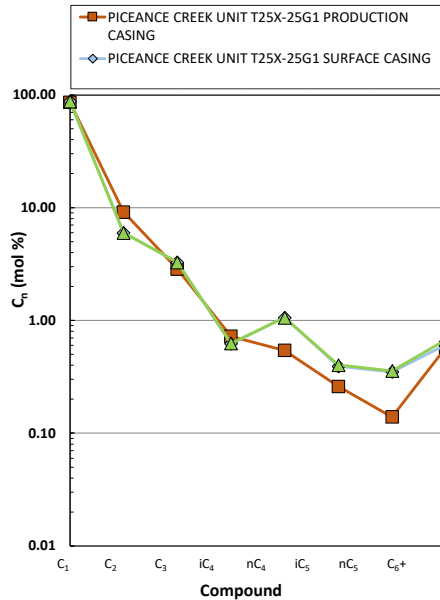




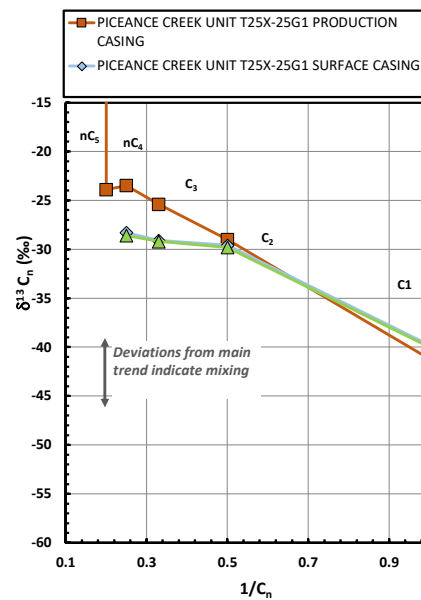
Methane $\delta^{13}\text{C}$ vs Wetness Genetic Classification Plot



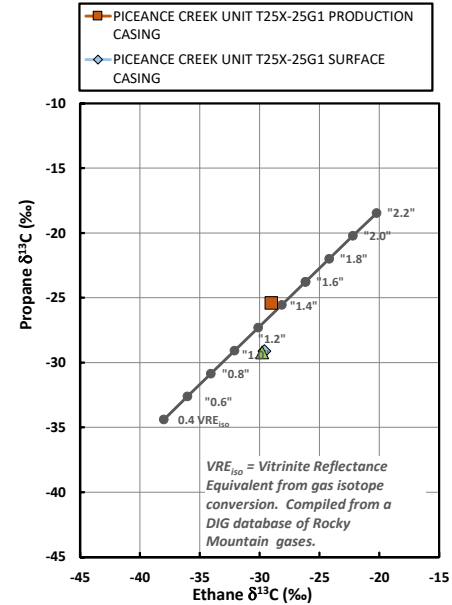
Hydrocarbon Composition Plot



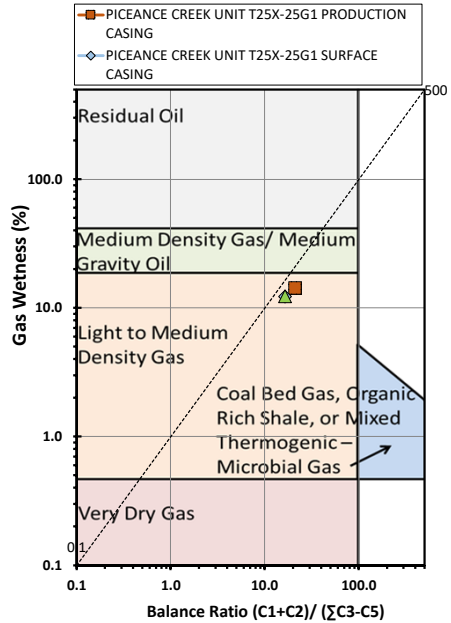
Mixing Plot



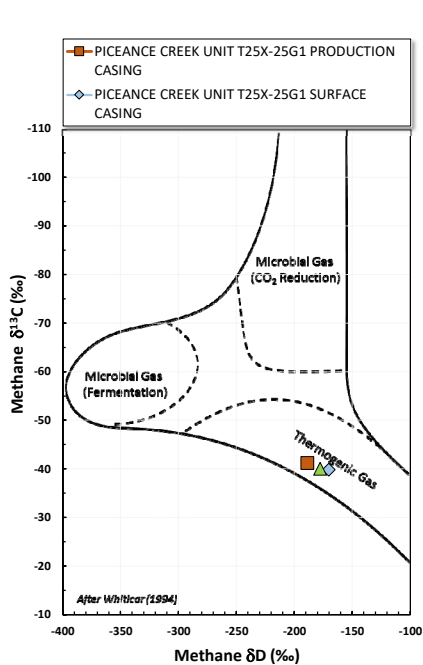
Ethane - Propane Maturity Plot



Haworth Ratio Plot - Characterization of Hydrocarbon Type



Methane $\delta^{13}\text{C}$ vs δD Genetic Classification Plot



Methane $\delta^{13}\text{C}$ vs $\text{C}_1/(\text{C}_2+\text{C}_3)$ Genetic Classification Plot

