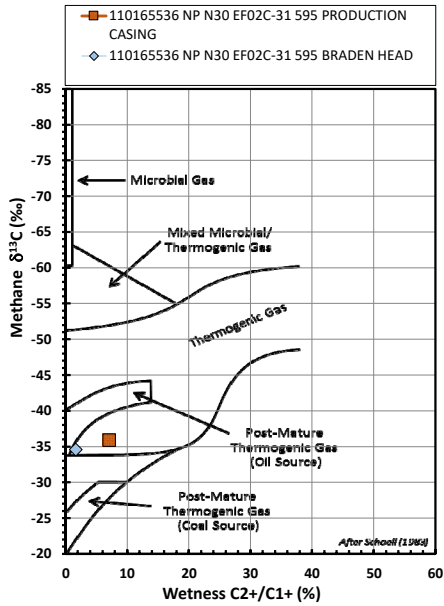
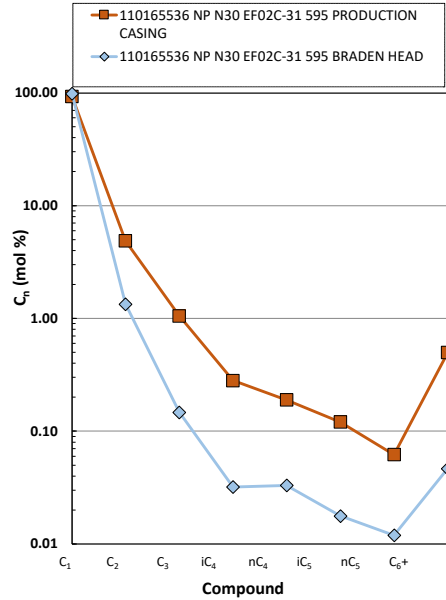


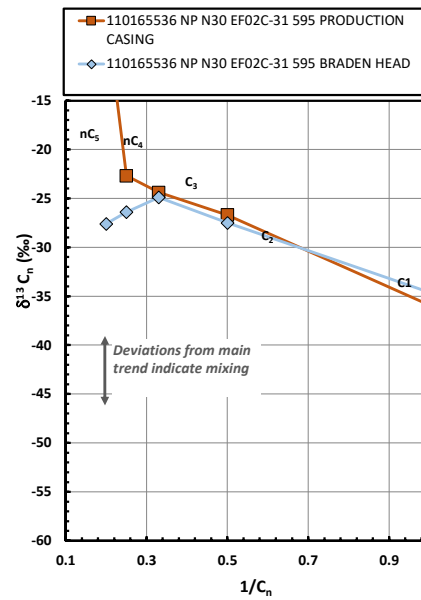
Methane  $\delta^{13}\text{C}$  vs Wetness Genetic Classification Plot



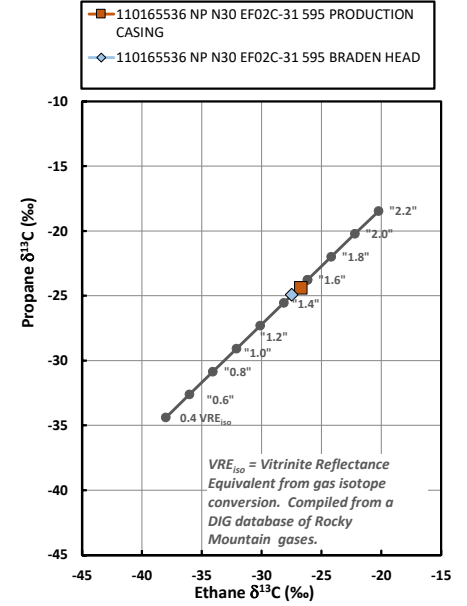
Hydrocarbon Composition Plot



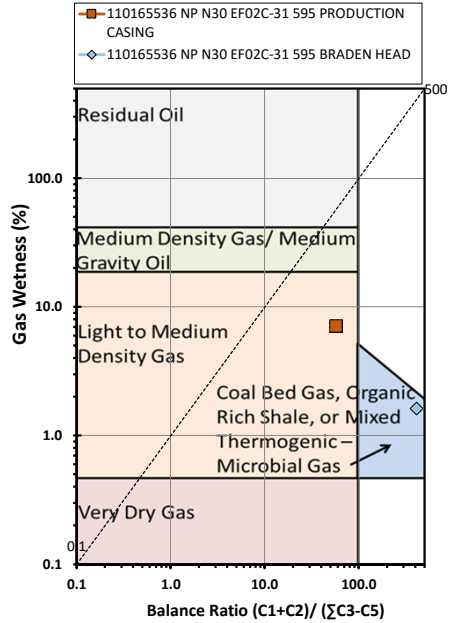
Mixing Plot



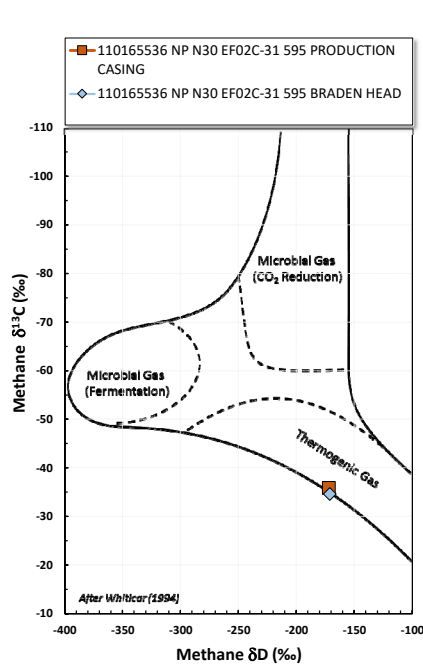
Ethane - Propane Maturity Plot



Haworth Ratio Plot - Characterization of Hydrocarbon Type



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



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

