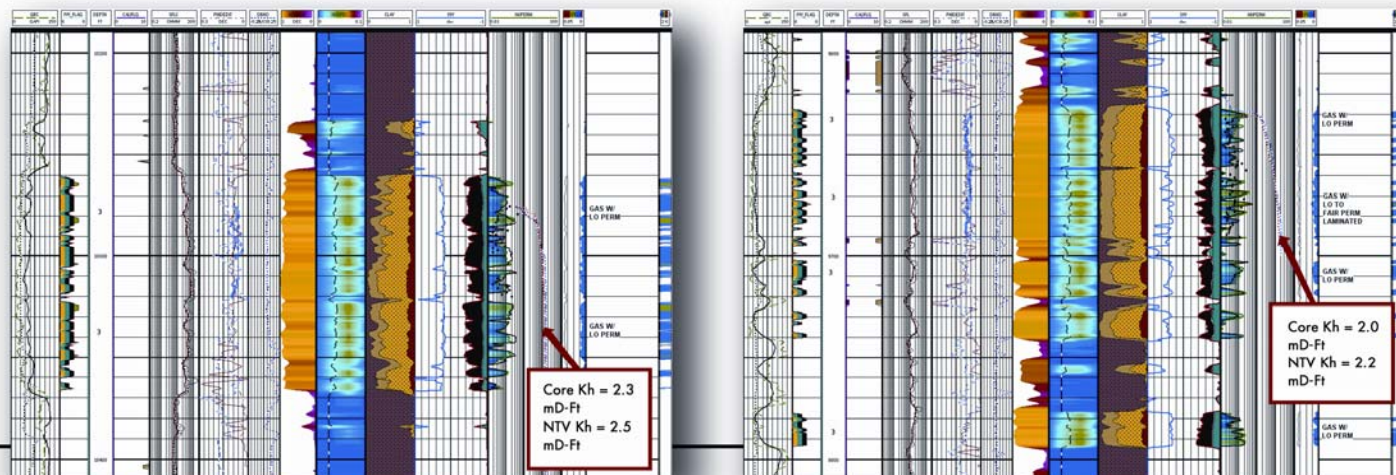
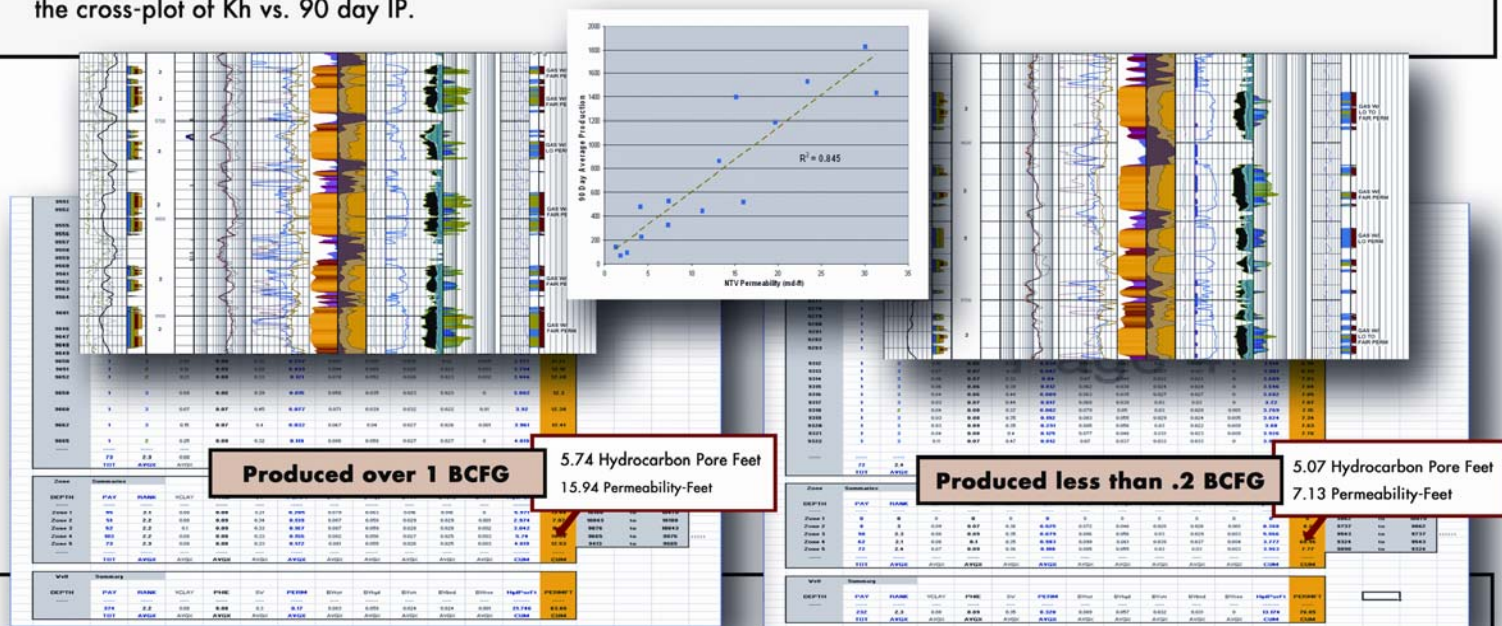


NuLook™ Textural Vision Strengthens Links to Predictability



This permeability comparison of NTV to core, from East Texas Cotton Valley sands, illustrates the application of NuTech's technology in tight gas sands. The customer in this situation wished to develop a tool that would help identify zones to stimulate and predict well performance. Historically, the customer's success rate had been below expectations and at high costs. NuTech's approach was to initially apply the NuLook textural process to give the customer a more accurate determination of hydrocarbon-pore-feet as well as a core calibrated permeability relationship. The results matched to core permeability and to core Kh (permeability-feet) within 0.2 mD-feet. These initial results were then applied to a field wide study in East Texas. According to the customer, the results exceeded expectations with success rates around 85% as shown in the cross-plot of Kh vs. 90 day IP.



These two examples represent the second phase of the study and illustrate a typical single frac stage. In one example, a good economic performance is achieved and in the other, a poor performance. The examples also highlight the importance of NuTech's Kh and the relationship to well performance. As the results indicate, NuTech's Kh not only impacts the initial performance (IP) of the well, but also ties to the ultimate recovery in tight gas sands.