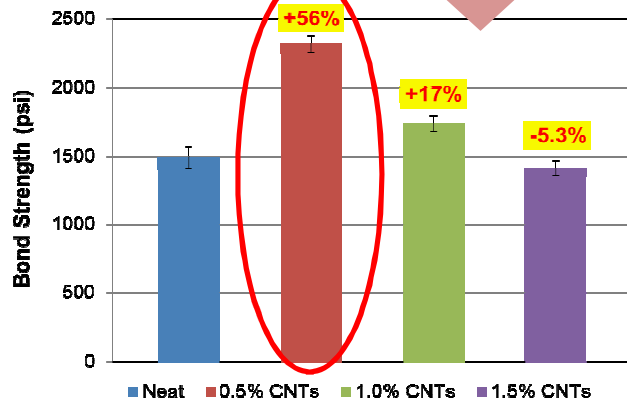
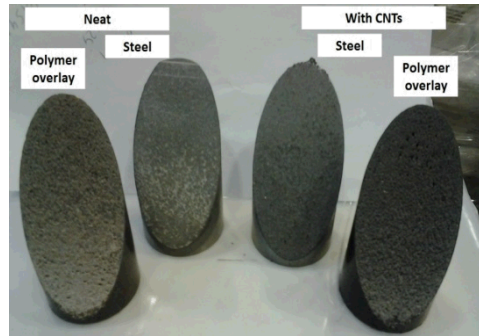
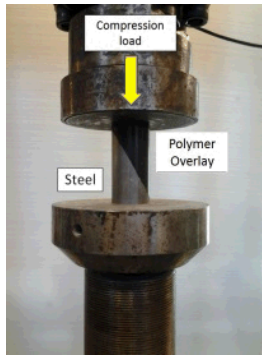


Numerical and Experimental Design of Wellbore Seal Repair Material Using Nanocomposites

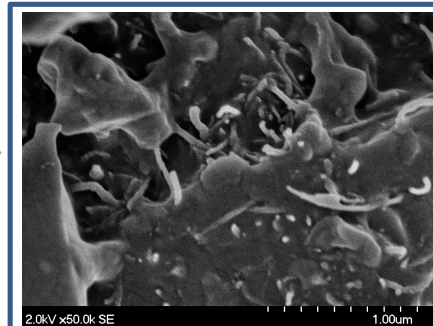
Presented by:

University of New Mexico and Sandia National Laboratories

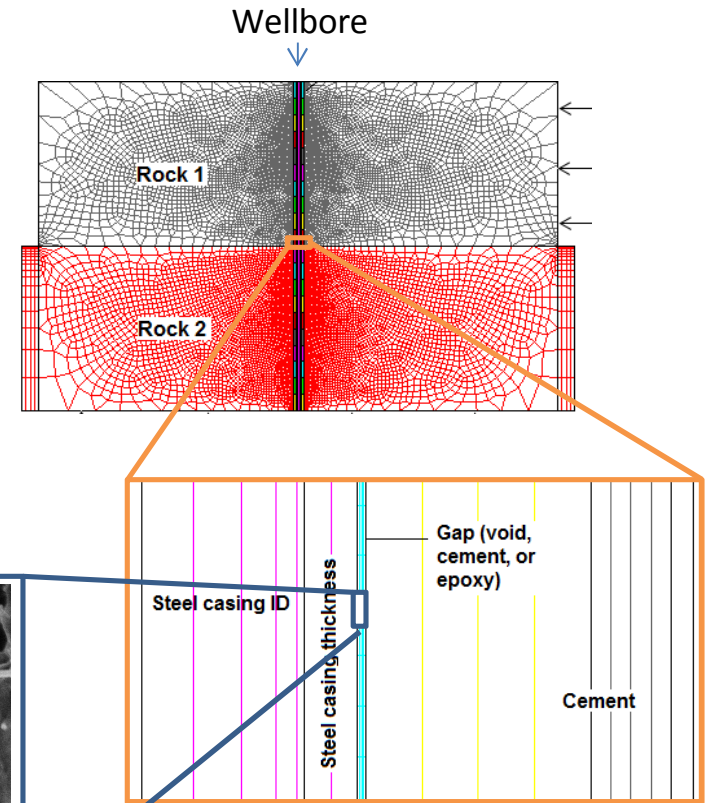
Materials Characterization -- Slant shear test



Optimize Material Properties



Epoxy-CNTs nanocomposite



**3D Geomechanical Modeling of
Wellbore Interfaces
(Predict in-situ material performance)**