Compliant Wet Sealing

• Current Status
  – Known example of concept
    • Molten Carbonate
Compliant Wet Sealing

• Development Needs
  – Identify or develop suitable liquids
  – Determine surface energies
  – Temp/ viscosity relationships
  – Evaporation rates
  – Reservoir microstructure
  – Manufacturability – method of surface treatment – control microstructure
  – Identify surface treatments – wetability
  – Dielectric properties
Compliant Wet Sealing

- Development Approach
  - Microstructure
  - Surface Treatments
  - Temp/viscosity relations
  - Evaporation rates