

# **TYPICAL CONVECTIVE GEOTHERMAL SYSTEM**

## **CONTROLS**

- **Heat Source**
- **Structure**
  - fracture permeability (reservoir permeability and storage)
  - hydrogeologic windows (primary discharge site)
- **Flow Dynamics**
  - Free convection (density driven flow)
  - Forced convection (ground water head driven flow)
    - ✓ deep seated regional ground water flow systems
    - ✓ thermal sweep of background regional heat flow