

Permeability Reference

- Permeability data gathered from DOE study in WIPP site:
 - SANDIA REPORT – SAND86 – 1364: Hydraulic-Test Interpretations for Well DOE-2 at the Waste Isolation Pilot Plant (WIPP) Site
 - Prepared by Sandia National Laboratories for the United States Dept. of Energy
- Bell Canyon reservoir permeability tests were performed in the well DOE-2, located in Sec. 8, T22S R31E (~**14.5 miles** west/northwest of Diamond 34 State #1 SWD).
- Reservoir permeability & pressures were calculated for the Bell Canyon formation (Hays Sandstone Member) via FBU, SBU, & Slug test* data as:
 - Permeability: **2.3 – 2.4 mD**
 - Reservoir Pressure: 1,899 psig (@ 4,235 ft)

**FBU – first pressure buildup period during a drill stem test (DST)*

**SBU – second pressure buildup period during a DST*

**Slug test – performed after FBU & SBU, a tertiary measurement of inflow during DST*