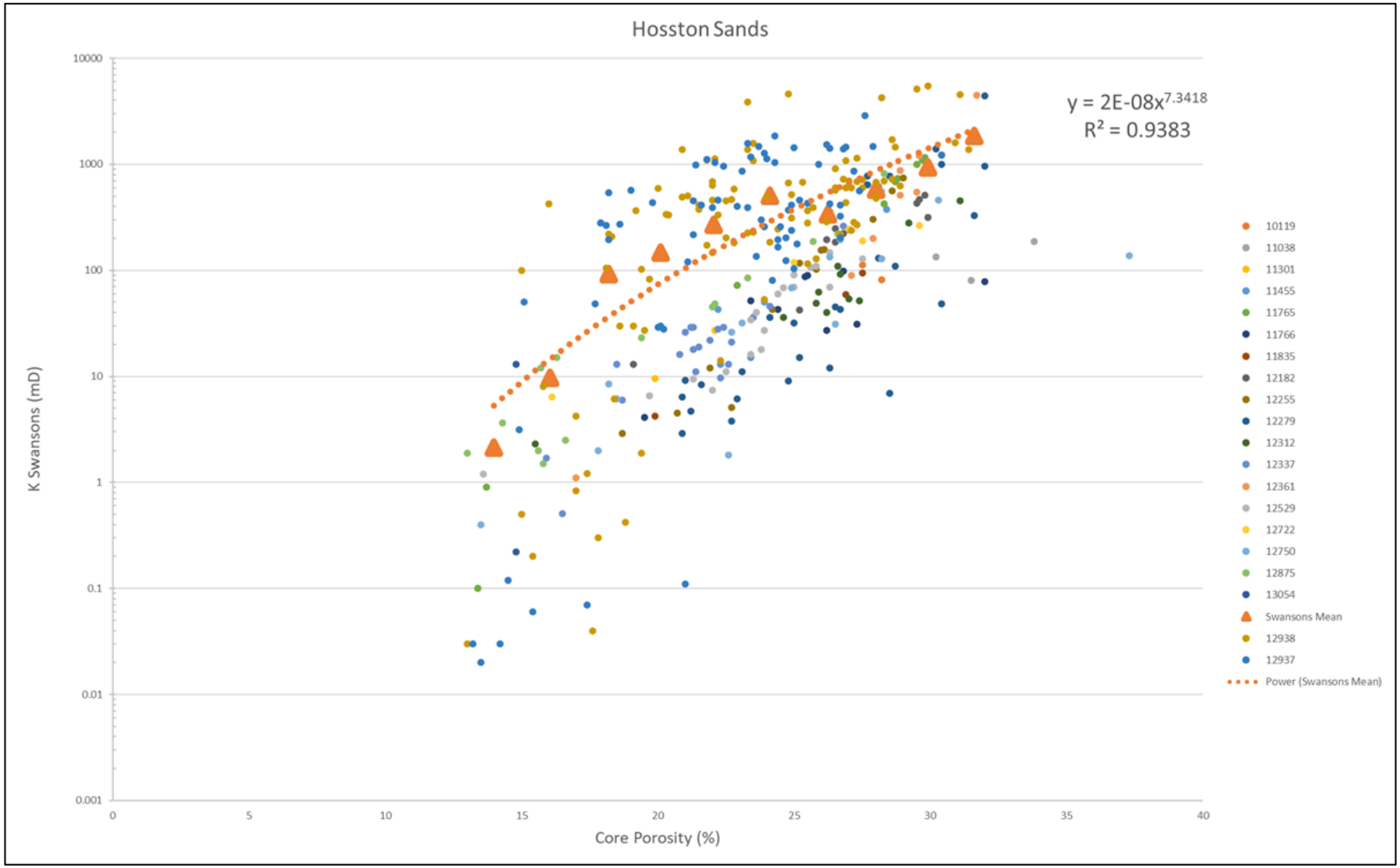

The Shreveport Petroleum Data Association, INC (SPDA) database was utilized to obtain porosity and permeability data of Hosston core throughout the modeling area of Lapis Energy in Union County, Arkansas. Three hundred and sixty-one data points were analyzed over 20 wells and depths ranged from 3,031 feet to 5,192 feet. Using a porosity cutoff of 13% to differentiate Hosston sands from muds, the average porosity and permeability of sands is 23.8% and 438 md, respectively.

- Depth range= 3031 – 5192 feet
- Average porosity= 23.8 %
- Average permeability= 438.1 md
- Max porosity=37.3 %
- Max permeability= 5492.0 md
- Min porosity= 13 %
- Min permeability= 0.02 md

Lapis Energy

Figure 2-25

Hosston Injection Zone
Core Porosity-Permeability Cross Plot

PROJECT INFO: Union County Arkansas		SCALE INFO: N/A	
DATE: Jan 2023	PROJECT NAME: 220080LEE	BY: GKS CHECK BY: GKS	SHEET 1 OF 1

Geostock Sandia