CLASS VI PERMEABILITY IMAGES
ELK HILLS A1-A2 PROJECT

Permeability Distribution

Figure 1 shows porosity and permeability histograms for the Monterey Formation A1-A2 sands. Porosity is derived from open-hole well log analysis and permeability is a function of porosity and clay volume. Figure 2 shows the permeability and porosity distribution in cross-section A-A'. Reservoir quality is the highest at the top of the anticline, porosity and permeability are lower on the edges.

Figure 1: Monterey Formation A1-A2 sands porosity and permeability distribution in the static model.

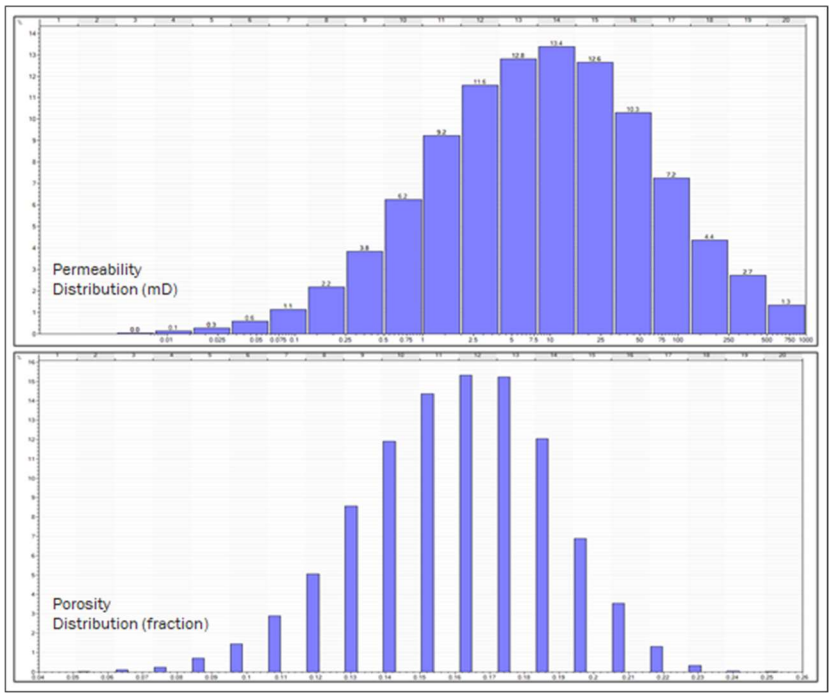
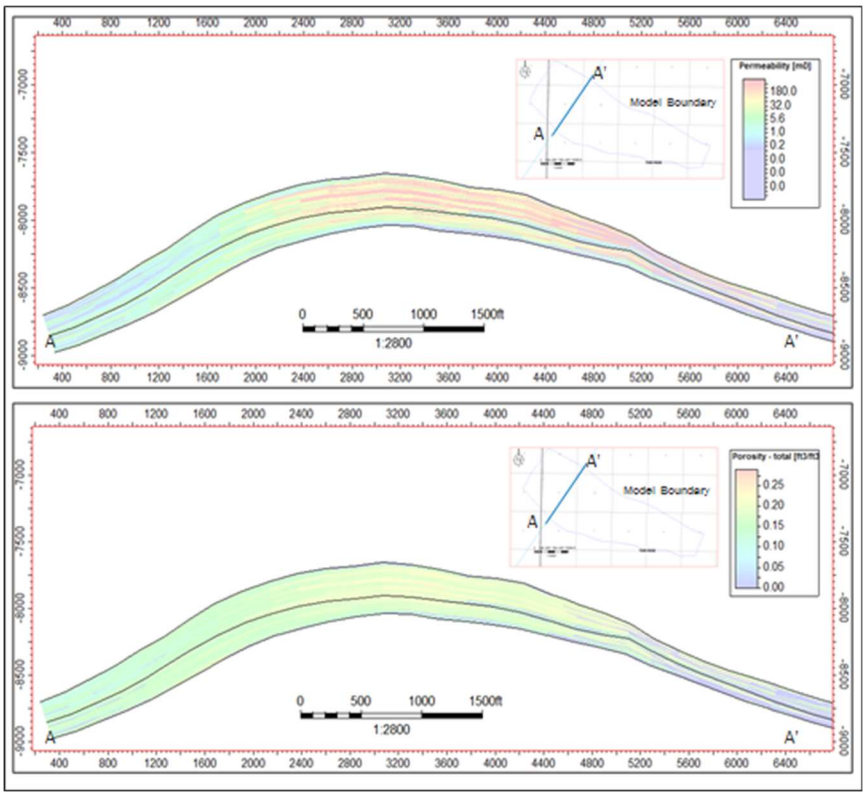
Figure 2: Sections through the static grid showing the distribution of porosity and permeability in the reservoir.