

## CAPILLARY PRESSURE

### CTV VI

#### Capillary Pressure

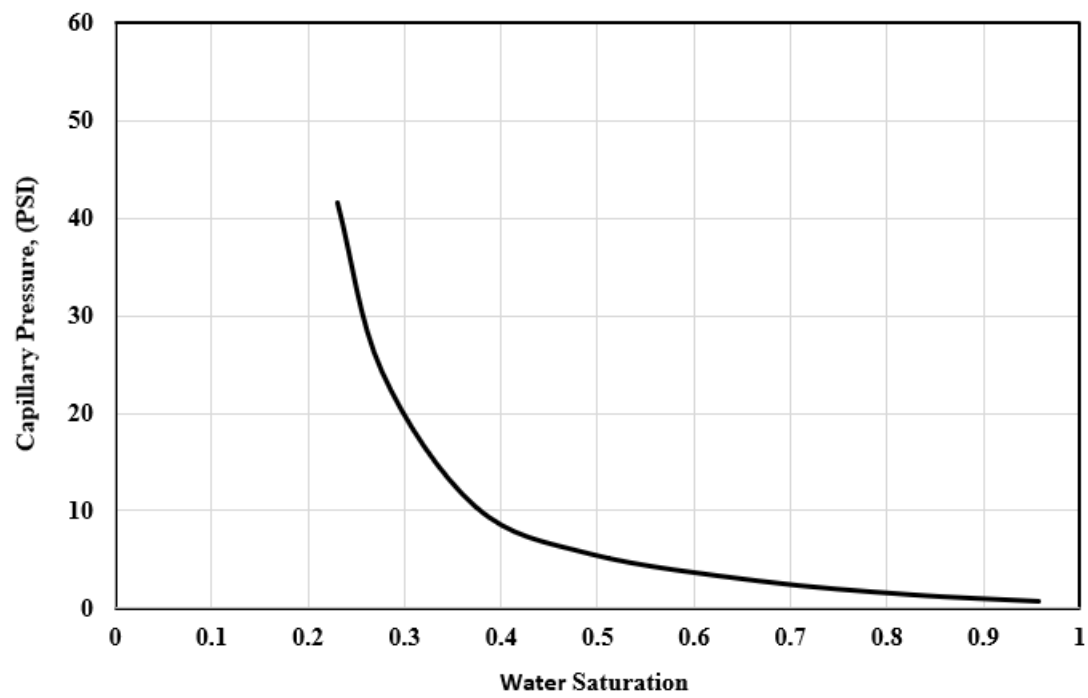
Capillary pressure data were obtained from **Claimed as PBI** which is located close to **Claimed as PBI** (see **Figure 1** for well locations). Two samples from the **Claimed as PBI** were tested by centrifuge using an air-brine system. Laboratory-tested capillary pressure was converted to reservoir conditions, averaged by J-function, and then the capillary pressure curve was derived based on the average permeability and porosity.

There are two facies defined in the model: sand and shale. Only one set of capillary pressure curves was used for each facies. **Figure 2** shows the capillary pressure curve used in the computational model.

During pre-operational tests, additional cores will be collected, more special core analysis will be acquired, and the model will be updated accordingly. Additionally, as discussed in Section 4.2.2 of **Attachment B**, several sensitivity analyses have been conducted to investigate the uncertainty related to these parameters.

# Claimed as PBI

**Figure 1.** Location of wells with core data used for permeability transform and constitutive relationships



**Figure 2.** Capillary pressure curve