

## **A Successful ASP Pilot Implementation in the Caracara Sur Oil Field**

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### **ABSTRACT**

A successful chemical EOR implementation depends on the ability to address successfully all of the risks and uncertainties associated with EOR process. After several laboratory experiments an alkali-surfactant-polymer (ASP) pilot formulation for cEOR was selected for an ASP pilot trial. An inverted 4-spot pattern was selected to perform the pilot. Tracer tests were performed to measure residual oil saturation and ASP effect on the reservoir. The pilot design considered the injection of four different slugs. A detailed quality control monitoring plan was designed and applied daily in-situ to ensure the injected fluid conditions for each stage. This presentation has been prepared to explain how the pilot was designed and implemented, showing the surveillance executed during the pilot to assess the ASP performance efficiency.