

Reactivation of Mature Fields in the Neuquén Basin, Argentina

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Abstract

In the Neuquen Basin, Argentina, some fields operated by Pluspetrol share a high mature operational status. Notwithstanding this situation those fields offer many opportunities for the replacement of reserves. By the application the process called “Reserves Progression,” Pluspetrol has been successful in identifying and developing opportunities, transforming ideas into projects. To achieve these objectives, it was necessary to get a deep knowledge of the reservoir model and its behavior. Moreover, the design of pilots and the continuous surveillance of the reservoir performance are key issues to be considered for the project’s success.

This paper describes the implementation of some projects to develop the opportunities that have been the technical sustainability of the business. The examples showed in the presentation deal with the Tight Gas development, the exploration of new Plays, water flooding to enhance the oil recovery factor in mature fields and finally the implementation to enhance oil recovery (EOR).