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Tomas Esola¹ (1) Oviedo University, Oviedo, Spain

Exploring for CBM in the Asturian Carboniferous Central Basin

The Asturian Central Carboniferous Central Basin has been at the moment unmodeled in terms of Sequence Stratigraphy. Classical models have been inefficient because there is not a clear model of facies, sedimentary media, etc. Coal Companies have tapped the beds "from day to day" undertaking a model of field. Perhaps this is one of the biggest reasons their results have not been as good as possible. Here we show a complete 3d model of the field in terms of sequential stratigraphy. This research is the result of the researches of the Department of Mining Exploration and Hydrogeology of Oviedo School of Mines after two years working about it. We're developing an exploration well for testing the possibilities of the field in terms of CBM. We'll show the results: methane content, optimum locations for tapping wells, expected production, a model of the hydrogeological system, etc.