

Re-exploring developed fields, the Argyll-Ardmore Field, North Sea, UK.

Dr Jessie Davey's, a G&G and Reservoir experts, PhD on Structural Geology and Geomechanics from Australian School of Petroleum and University of Adelaide made a presentation "**Re-exploring developed fields, the Argyll-Ardmore Field, North Sea, UK**" on April 21st 2016 at 11 High, Society of Petroleum Geophysicists, Mumbai chapter.



In 1975, Argyll was the first oil producing field in the North Sea. The field is encompassed in a traditional North Sea Trap, tilted fault blocks with multiple reservoir horizons, which, upon initial exploration and production results, was fairing to be one of the most successful oil fields in Europe.



However, unexpectedly in 1991, production rates started to rapidly decline, until the field was abandoned in 1992.



With the assistance of new technology, advances in seismic, exploration around the field reignited in the mid 2000's. The resulting second phase of production saw initial production was high, but the same trend followed with a rapid decline within a few years.



With the field going into its third life in the next 12 months, this presentation looks at the advances in geophysics and multiphysics exploration techniques that have been employed to reignite the once thriving production rates in Argyll.



This study includes a review of seismic interpretation methodologies and quantitative interpretations, integrating exploration methodologies and development plans.

SPG Mumbai Chapter