

## **Depth Imaging and Pseudo 3D Velocity Model Building for 2D Lines Offshore Mozambique – A Case Study**

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### **ABSTRACT**

Offshore Mozambique has been an area of substantial industry interest over the last decade due to the major gas discoveries in the Rovuma basin.

Schlumberger Multiclient in cooperation with the National Petroleum Institute of Mozambique (INP) undertook the depth processing of their recently acquired 2013 broadband survey offshore Mozambique near Zambezi Delta, about 22000 Km of 2D lines covering an area of more than 460,000 square kilometres were acquired to image and better understand the area which is characterized by a series of rifts, rotated fault blocks and tilted structures with high angle dips.