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Field Case 4: Saudi Arabia: Identification & Characterization Of Heavy Oil Tar In A Gigantic Carbonate Field

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The development of a gigantic carbonate oilfield in Saudi Arabia had to take into account a confirmed heavy oil ring or layer that was a risk to reservoir pressure support by peripheral injection. In order to strategically develop the field and do so optimally, the heavy oil ring had to be correctly identified through careful mapping throughout the field. This presentation will cover some of the old methods used to prove the existence of the heavy oil and then cover the latest technologies used to identify the heavy oil layer, examples from the field and anomalies of various field cases will be shared and discussed thoroughly.