

Characterization and distribution of the Sarir Sandstone Reservoir in the Chadar Field, Concession 126, Sirte Basin, North Libya.**Ashraf A Alaqeeli**

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The study concentrates on characterization and distribution of the Sarir Sandstone reservoir in the Chadar Field. It includes wireline logs analysis integrated with core analysis and analyzed well test data from four wells drilled in the Chadar Field; three wells explored by Mobil Oil Libya in May 1966 and one well by Sirte Oil Company for production, manufacturing of oil & gas in November 2014. The Chadar Field is part of Concession 126; it is located in eastern part of the Sirte Basin in the north central of Libya. The area of study is located in the westward of Messlah High between the south of Ajdabiya Trough and north of Sarir Trough (figure 1). The Chadar Field was first discovered in 1968 and A1-126 well was tested gas condensate flowed to surface from the Sarir Sandstone. The Sarir Sandstone Formation of Upper Jurassic to Lower Cretaceous represents the main hydrocarbon potential reservoir in the Chadar Field. The Sarir Sandstone is distributed widely in the subsurface of the study area and it is composed of a thick sandstone unit interbedded with shale.

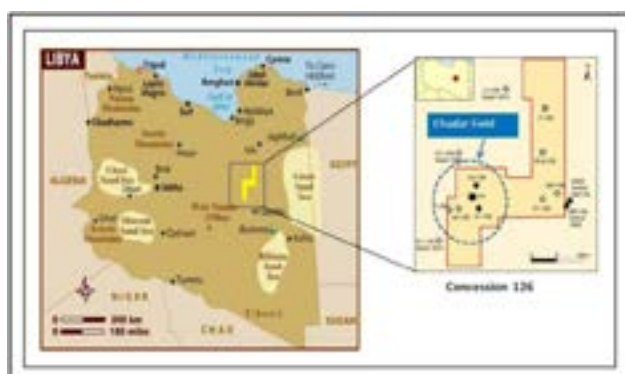


Figure1: Location of the study area, Concession 126.

Biography

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