

Oil & Gas Potential In Jordan

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Abstract

Jordan is located within the producing sedimentary basin in the north – west Arabian plate .

Jordan has two basins with potential for shale gas and shale oil, the Risha area and Wadi Sirhan. Also Jordan has al Azraq basin which consists of several geological structures. About "1500" square kilometers of Azraq area were under study which prepared for NRA with a cost of about USD (2) millions evaluated the hydrocarbon potential in the area. The study indicated that an estimated of about (430) million barrels of oil have been generated from WS – 2 member which is the source rock in the Azraq area .

Two heavy oil wells have been drilled in the area, the data obtained from these wells indicates the presence of a vast amount of heavy oil and asphalt which could obtain crude oil by converting it by technical methods.

The Dead sea area is about (3750) square kilometers, many oil seeps are available in the area, most of the oil fields in the world have been explored and discovered through the seeps around it.

A core – hole drilling program in the area produced samples with an average organic carbon content (TOC) over 10%.

One of the wells which had been drilled in Wadi Sirhan area gave us the best quality of oil (sweet oil) with a gravity of (43^o) API.

Other (5) blocks in Jordan that we can work on it for oil exploration are: East Safawi Block, West Safawi Block, North Jordan Block, Jafr- Central Jordan Block, and Wadi Sirhan Block.