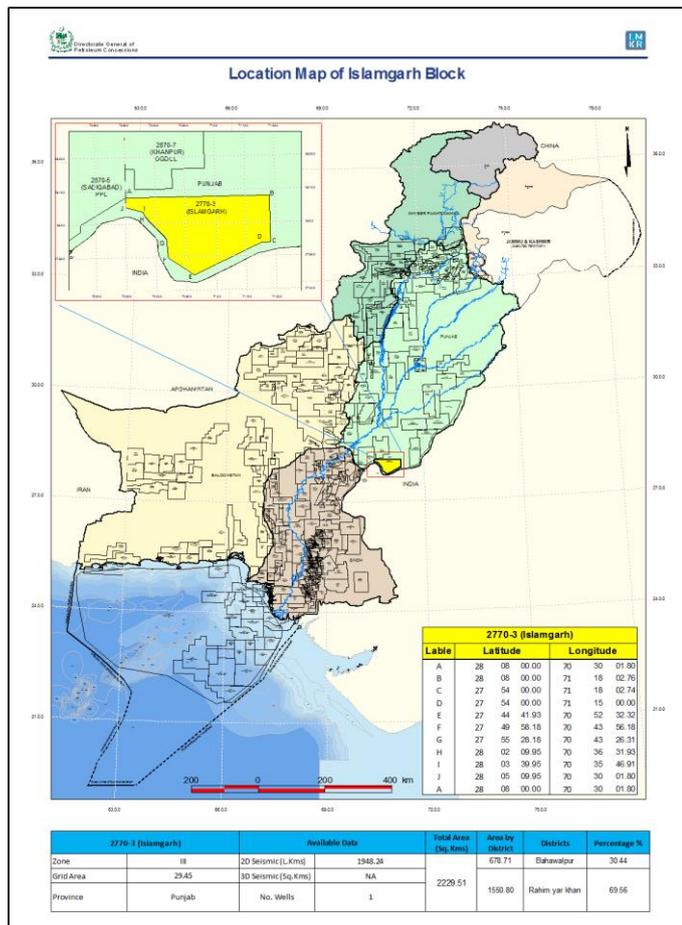


ISLAMGARH BLOCK(2770-3)

Introduction

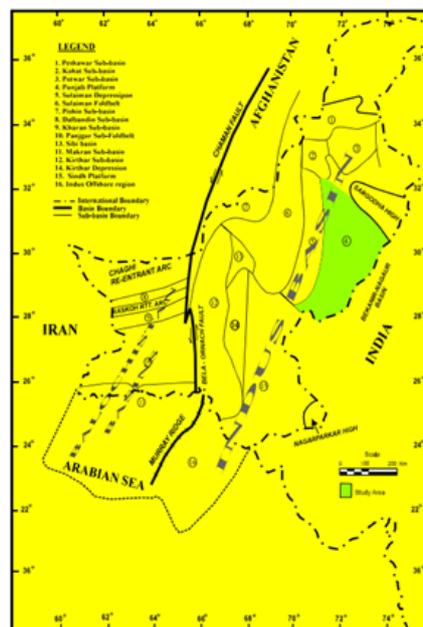
Islamgarh Block covers an area of 2229.51 sq km and is located in Bahawalpur and Rahim Yar Khan districts of Punjab Province Pakistan. Geologically, it lies in the Central Indus Basin of Pakistan. The block falls in Prospectivity Zone III.



Geology and Tectonics

Tectonically, the area is located in the southern extremity of the Sulaiman Foredeep and Central Indus Platform. In the south, Mari-Kandhkot High is located.

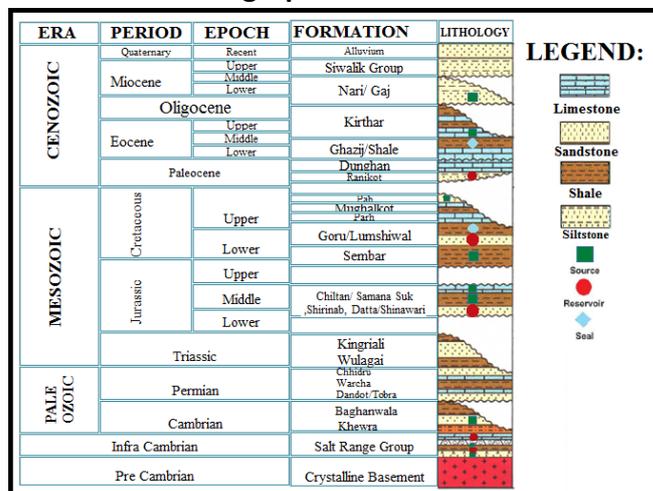
Geological Map (Modified after Ahmed et al, 1994)



Stratigraphic Sequence

The stratigraphic sequence is revealed by drilling, ranging in age from Early Jurassic to Pliocene around the block area.

Generalized Stratigraphic Chart



Petroleum Play

The shales of Sembar and Goru formations (Lower Cretaceous) sequence may serve both as source rock and seal in the block. The reservoir potential occurs in the clastics of Lower Cretaceous and carbonates of Eocene whereas in the east, across the border, Bhagiwala discovery established petroleum system at Infra-cambrian. The possibility of both structural and stratigraphic entrapment is possible in this area.

Source

The main source rocks in the area are Shales of Sembar and Goru Formations (Cretaceous). The possible source rock in the block can be Bilara Formation (Infra-Cambrian) as this formation contains rich source rocks in the Punjab Platform.

Reservoir

The potential reservoirs in the area are Habib Rahi, Pirkoh and Sui Main limestone (Eocene) and Lower Goru Formation (Cretaceous). These are producing reservoirs in nearby fields of Lower Indus Basin. The possible reservoir rocks in the block can be Bilara and Jodhpur Formation (Infra-Cambrian) as these formations contain good potential in the Punjab Platform area and are producing in the adjacent fields in India.

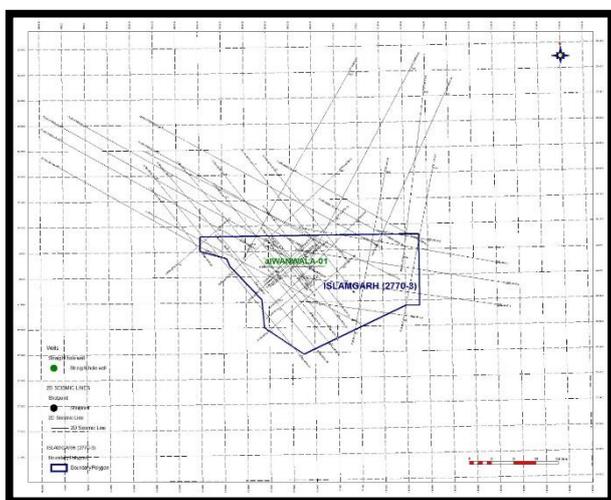
Seal

Shale horizons of Ghazij, Sirki and Drazinda Formations (Eocene) are main seals, while shale horizons of Upper Goru Formation (Cretaceous) may act as seal for Lower Goru reservoir.

Trap

In the block, rollovers with steeply dipping faults provide the trapping mechanism. It is a proven trap type in adjacent fields.

Islamgarh Block Base Map



Well Data

WELL NAME	SPUD DATE	OPERATOR	WELL TD (m)	TD FORMATION	PRIMARY TARGET
JIVANWALA-01	14/10/1999	OGDCL	2100	Shinwari (Jurassic)	Chiltan L.st and Goru/Sember (Cretaceous)

Seismic Data

2D SEISMIC DATA	3D SEISMIC DATA
Line km = 1,948.24	3D data is not available