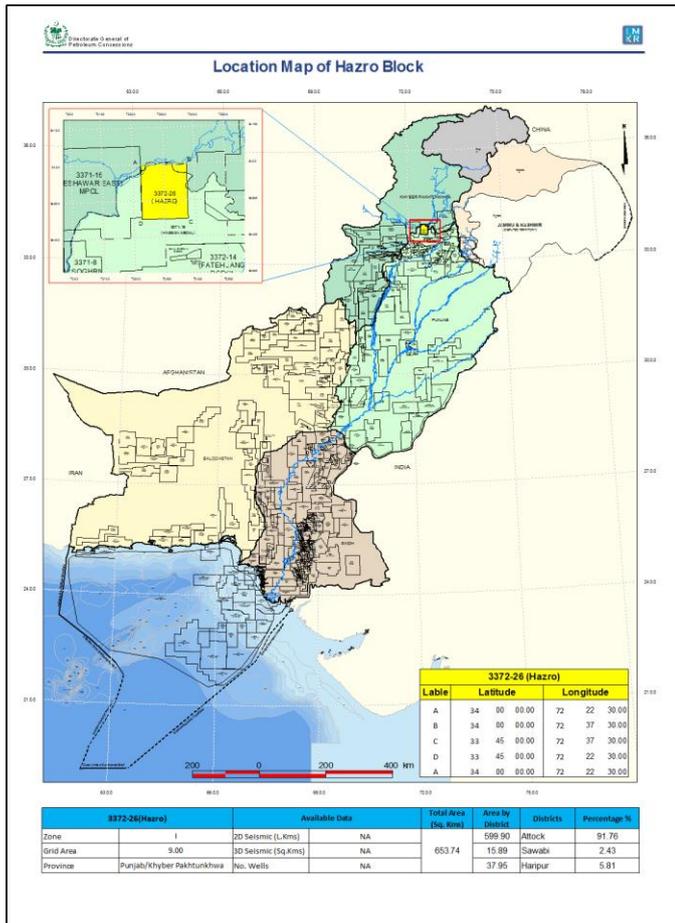


## HAZRO BLOCK (3372-26)

### Introduction

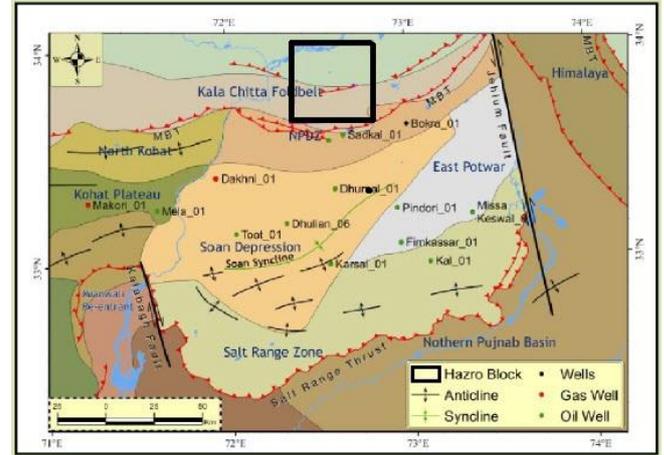
Hazro Block covers an area of 653.74 sq km and is located in Attock, Swabi and Haripur districts of Punjab and Khyber Pukhtunkhwa Pakistan. The block is located about 85.6 kilometers northwest of Islamabad and 108.1 kilometers east of Peshawar. Geologically, it lies in the Upper Indus, Eastern Peshawar and Campbellpur Basin of Pakistan. The block falls in Prospectivity Zone I.



### Geology and Tectonics

Hazro block covers the Eastern Peshawar Basin, Campbellpur Basin, Attock-Cherat and Kala Chitta ranges in the Lesser Himalaya. In the northern part, Precambrian-Devonian meta-sediments are exposed whereas in the southern part, Mesozoic to Pliocene sequence is exposed.

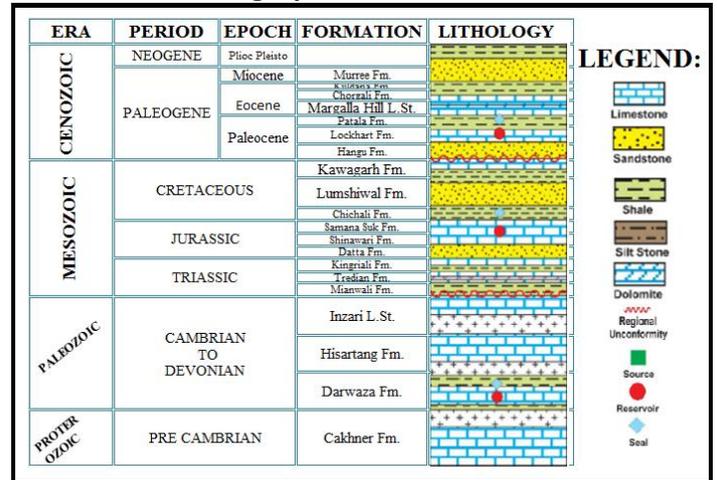
### Geological Map



### Stratigraphic Sequence

In the northern part, the Precambrian-Devonian meta-sediments are mainly exposed over the eastern Peshawar Basin and Ganghar Range which are partially covered at places under the thin veneer of molasse/alluvium. In the southern part, Triassic to Tertiary sequence is exposed over the Campbellpur Basin and Kala-Chitta Range.

### Generalized Stratigraphic Chart



### Petroleum Play

The possible hydrocarbon play is expected to occur in the sub-thrusted stratigraphic sequence of petroliferous Potwar province under the hanging walls of Peshawar Basin and Attock-Cherat Range.



## Source

The rich source potential for the generation of hydrocarbon lies in Paleozoic and Mesozoic sequences with suitable maturity level.

## Reservoir

The stratigraphic sequence consists of numerous clastic and carbonate reservoir intervals. The reservoir section is well developed in the Paleozoic and Mesozoic sections. Similarly reservoir horizons may also exist in Paleogene strata. In carbonate reservoirs better porosity is induced as a result of intense fracturing.

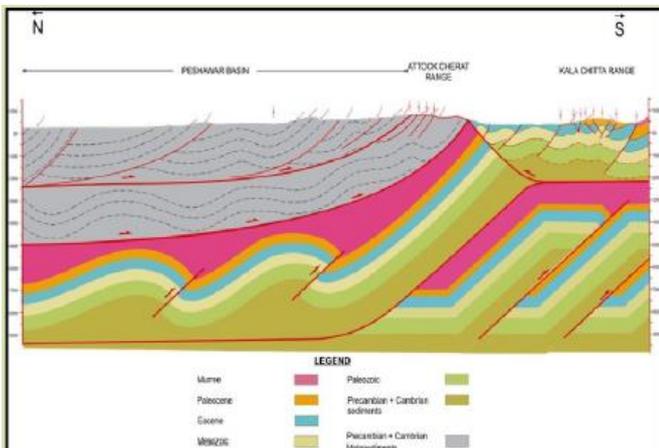
## Seal

The potential seals, which occur in the block are mainly Limestone and intraformational shales for Mesozoic and Cenozoic reservoirs. The regional seals in the area are Paleocene (Patala Formation) and Eocene (Kuldana Formation). The seal for Cambrian and Permian reservoirs are the interbedded shale and mudstone of Paleozoic strata. The good sealing potential is also provided by the thick layers of Miocene clays.

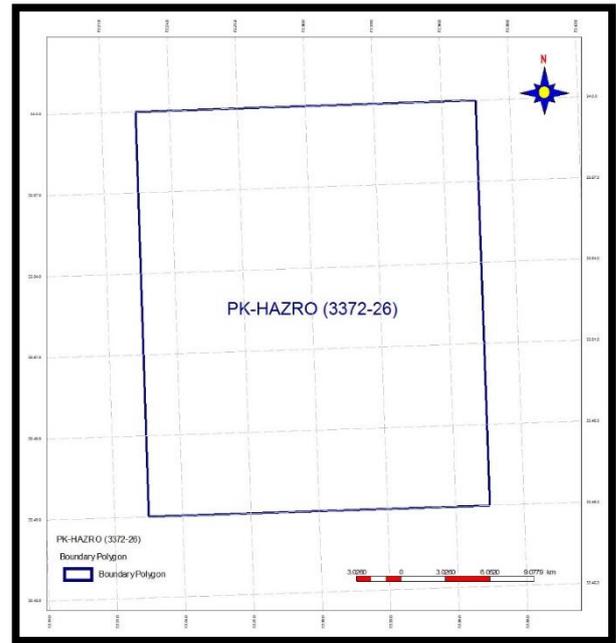
## Trap

The viable structural features for the entrapment of hydrocarbons include the thrust anticlines, imbricated antiformal stacks, and fault propagating folds in this block area.

## Trapping Mechanism



## Hazro Block Base Map



## Well Data

Well is not drilled in this block.

## Seismic Data

2D SEISMIC DATA	3D SEISMIC DATA
2D data is not available	3D data is not available