

# Petroleum Reservoir

@wikipedia

Subsurface reservoir containing petroleum hydrocarbons and other petroleum reservoir fluids.

It should not be confused with [Hydrocarbon Deposit](#) which is a part of [Petroleum Reservoir](#) with dominating saturation by [petroleum hydrocarbons](#).

Apart from [Hydrocarbon Deposit](#) the [Petroleum Reservoir](#) may include [Formation water](#) and [Injection water](#) and other [fluids](#) under [anthropogenic activities](#).

Its structure and properties are described by [Depositional facies](#), [Lithological facies](#) and [Petrophysical rock properties](#) and [fluid properties](#) of [petroleum reservoir fluids](#).

The size, structure and complexity of [Petroleum Reservoirs](#) are normally characterized by the generally accepted metrics on [Hydrocarbon Reserves Classification](#).

In general case [Petroleum Reservoir](#) may share the connected volumes of [Hydrocarbon Reservoir](#) and [Aquifer](#) ([Fig. 1](#)):

Hydrocarbon Reservoir		<a href="#"><u>Aquifer</u></a>
Natural Gas Reservoir	Oil Reservoir	

blocked URL

**Fig. 1.** Example of the [Petroleum Reservoir](#) consisting of [Hydrocarbon reservoir](#) and [Aquifer](#).

Studying [Aquifer](#) properties (such as reserves and permeability) is important part of [Subsurface E&P Disciplines](#) as it has a direct impact on [Petroleum Production](#).

## See Also

[Petroleum Industry](#) / [Upstream](#) / [Subsurface E&P Disciplines](#) / [Petroleum Geology](#)

[ [Hydrocarbon Initial In Place \(HCIIP\)](#) ] [ [Hydrocarbon Reserves \(HCR\)](#) ] [ [Hydrocarbon Reserves Classification](#) ]

[ [Petroleum reservoir fluids](#) ] [ [Hydrocarbon Reserves](#) ]

[ [Petroleum Reservoir Classification](#) ]