

# Total E&P Liban



Total has signed two **Exploration and Production Agreements (EPAs)** for Blocks 4 and 9, with the Lebanese Republic.

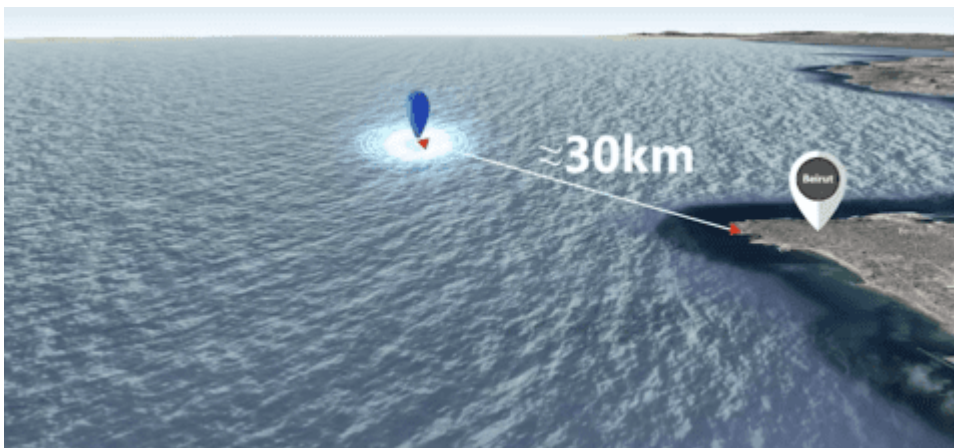
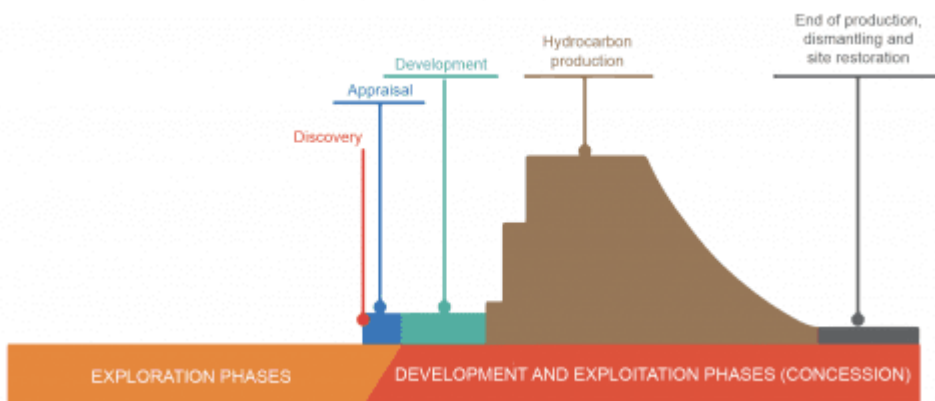
The EPAs were awarded as part of the 1st offshore licensing round, launched by the Lebanese government in 2017, to the **consortium led by Total acting as operator** (40%) and composed of ENI (40%) and Novatek (20%) as partners.

Both Blocks are located in water depths ranging from 1,400 to 1,800 meters knowing that Block 4 is central while Block 9 is in the southern part of the country.

As per an international tender, *Tungsten Explorer drillship*, owned by the company *Vantage Drilling*, was contracted to start the drilling activity in Block 4. The drillship reached Lebanese waters on 25 February 2020. Drilling of the first exploration well on Block 4 in the Exclusive Economic Zone of Lebanon was completed on 26 April, 2020. Traces of gas were observed confirming the presence of a hydrocarbon system, but no reservoirs were encountered. Based on the data acquired during drilling, studies will be conducted to understand the results and further evaluate the exploration potential of the Total operated consortium blocks and the Lebanese offshore.

# EXPLORATION DRILLING IN BLOCK 4

The drilling aimed at evaluating the possible presence of hydrocarbons and was carried by a dynamically positioned drillship, unanchored to the sea bottom. It was completed to a depth of 4,076 meters and through approximately 1,500 meters of water depth. The drilling activity took place 30 km North of Beirut.



## STEPS OF OFFSHORE EXPLORATION DRILLING

An exploration well does not allow the production of hydrocarbons however, it verifies their presence and allows the collection of many essential information such as: pressure, temperature, permeability, composition of the geological layers and nature of the fluid within the rocks. The collected data during this stage will validate or not the

presence of hydrocarbons. For more info, watch the video.