

Case Study. Socar: Utilisation of Associated Gas in Gunashli Oil Field

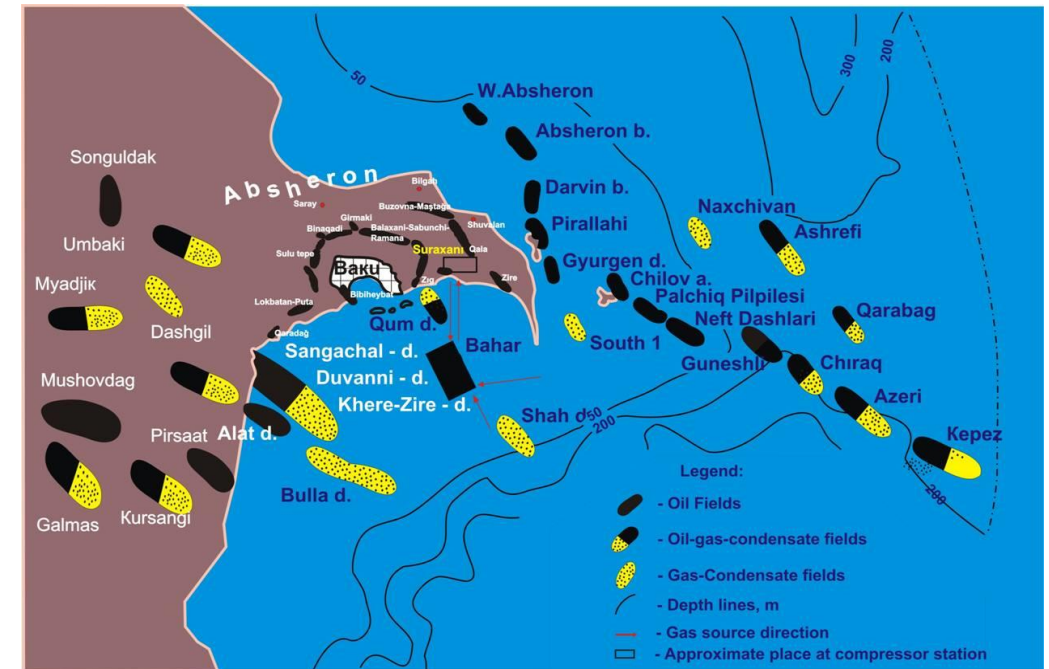
Best Practice: Venting, Engineering Design and Construction

The Issue

- The Gunashli oil field started producing oil in 1980, in the central part of the Azeri sector of the Caspian Sea, 110 km from Baku Bay.
- Despite the existence of high pressure gas gathering system, there was nothing for low pressure associated gas resulting in 310m m³ gas vented to atmosphere annually.

The approach

- In 2007, construction of a collection pipeline system to connect 10 offshore platforms with a 325 mm underwater pipeline
- Construction of 13.4 MW compressor station
- Construction of 508 mm pipeline to transport pressurized gas to existing natural gas line



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The Result

- 310m m3 gas recovered per year
- 4.2m tCO2eq. emissions avoided
- Capital cost of 130m USD and operating costs of 8m USD/yr

