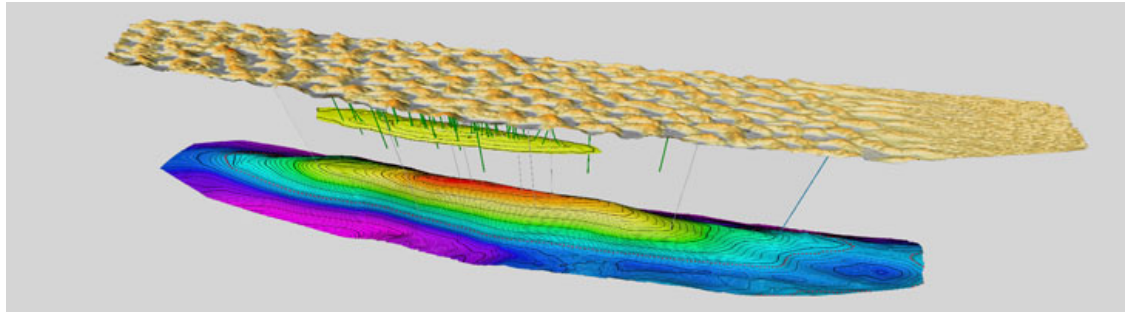


OUR BUSINESS

[Exploration & Production](#)
[Gas E&P](#)
[Drilling Operations](#)
[Gas Processing & Products](#)
[Transportation](#)
[Technical Papers](#)
[Major Projects](#)

LATEST NEWS**ALHOSN NEWS** [19/07/2016](#)[read more >](#)[Home](#) > [OUR BUSINESS](#) > [EXPLORATION & PRODUCTION](#) > [GAS E&P](#)[PRINT](#)

GAS EXPLORATION & PRODUCTION

The Shah field gas is stored in a reservoir rock called the Arab Formation at about 8,500 ft below the surface of the Empty Quarter desert. The gas accumulation is exceptionally large 60km x 11km and extends to the Liwa Oasis in the Western Interior region of Abu Dhabi. The field was first discovered in 1966 with the drilling of the SY-1 exploration well. It was further appraised by three wells in the late 1980's and early 90's. However, at that time, the technology was not available to safely develop this highly sour gas (23% of the Shah gas is comprised of hydrogen sulphide which is extremely toxic). As technology advanced and the need for gas for power generation in the UAE became ever more a critical , three further appraisal wells were drilled in 2006 and 2008 and a detailed 3D seismic survey was completed across the field. The results of the work provided the confidence to proceed into full field development. Subsequently, a full field development plan was approved by shareholders and a production/processing plant was designed to handle 1,000 MMSCFD of sour gas production from these wells for field life.