

# 2nd International Oil and Gas Conference

December 3-5, 2018 Dubai, UAE

## Case Study for Enhancing Maintenance Program for High and Low Pressures Pipelines

**Atef Abdelhady**  
British University, Egypt

Gas Fields from shallow and deep formations reservoirs are located in the Egyptian Mediterranean Sea. In a water depth from 100 to 1000 meters, the gas produced from the wells to separators and through subsea sea lines to the onshore plants. Several successful pigging operation have been performed for cleaning and maintain the subsea pipelines with different pigs types, in addition producing the accumulated condensate in the lines as demand requires at low production gas rates. It is essential to carry out routine pigging programs as a part of pipeline management. Maintenance pigging operation plays an important role in the pre-commissioning, commissioning, and maintenance pipelines is very important to select the proper pig type and frequent period for the application. Pigging is considered not only essential in high pressure gas pipelines maintenance, but also cost-effective compared to other maintenance efforts. In addition effective pigging can minimize chemical treatment requirements, producing the lowest total operating cost. Within the realm of pigging, two essentially different tactics can be identified, routine and refurbishment pigging. Effective pigging programs are experience based and should be modified as pigging results dictate.

### Biography:

Prof. Atef Abdelhady is Academic staff in the British University in Egypt. He holds a B.SC. and M.S degree in Petroleum Engineering. He holds a PhD degree in the specialty of Petroleum Production Engineering. He has 40 years in oil and gas industry as a manager for all activities associated with treatment and processing of oil and gas onshore and offshore locations. Also during my carrier in oil and gas business was responsible to transfer field experience to all engineers and others. I represent Egypt in oil and gas conferences outside Egypt as speaker. An SPE active member for more than 35 years. During his career, he has authored several technical papers in Egypt and USA. He has been selected as a qualified candidate for inclusion in the 1998 edition of International Who's Who Membership. He has training skills and experience inside and outside Egypt. He has 25 year in oil and gas condition in gas & oil fields offshore and on-shore. He has many years in oil and Gas activities advance safety technologies to enhance and optimize operations. Did some workshop for Society petroleum engineering in production optimization in Egypt and Kuwait.