

Issue - 370
May 2009



al Fahal

The monthly newsletter for Petroleum Development Oman staff and its Contractors

Fahud prepared to receive its largest ever compressor



January 2009 saw the successful factory acceptance test of the largest piece of equipment ever to be installed in Fahud. The new compressor train and its associated process equipment will be installed in Fahud F Station, and will double the capacity of the existing four gas turbine-driven units. Fahud F Compressor Station takes spill-over gas from the Fahud production stations B, C, D and E

9

and compresses the gas from 2.5 bar to 50 bar into the Fahud high-pressure grid which is subsequently used for gas lift and re-injection into the field.

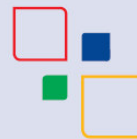
Photo 1 compressor skid, with Paul (ONE11), Abdulaziz (ONO65), Sulayim (ONO41F), Martin Brosy (MT), Anish (ONE28F) and Ali (UEC211)

"The possibility of hydrogen sulphide gas being produced from the Fahud Steam project led to technical challenges in the early design phase to ensure casing sealing integrity while retaining maintenance accessibility." Project

Engineer Anish Shroff explains. "For this reason a unique low pressure casing was designed and selected by the manufacturer Man Turbo in conjunction with PDO engineers." The new design paved the way for recently-ordered equipment such as the Qarn Alam Steam compressor and the Saih Rawl Oil compressor.

The overall project design and construction is being undertaken by Integrated Engineering and Construction Company (IECC), a joint venture between Special Technical Services and Mott Macdonald under the North Oil Directorate's existing engineering maintenance

contract (EMC). The new compressor is a key element of the 'Fahud Gas Expansion Project' which is due to be commissioned at the end of 2009. "The success of the project has been the close working relationship between Man Turbo, the PDO engineering function, the project team and IECC," commented Oil North Engineering Manager Sami Baqi. "The challenge ahead is to complete the installation for timely commissioning."



10