

ENERFLEX

The Single Source



120 MMSCF/D RENTAL GAS FACILITY, OMAN

Enerflex delivers a fast track project early and on-budget with a strong focus on safety.

PROJECT OVERVIEW AND CHALLENGES

Enerflex was awarded the engineering, procurement, construction, commissioning, and start-up, as well as the operations and maintenance for five years for a 120 mmscf/d rental gas treatment and compression facility at Block 62 Maradi-Huraymah Field in Oman.

UNIT LOCATION

Block 62 Maradi-Huraymah Field in Oman

ENERFLEX SOLUTION

For this solution, Enerflex utilized new equipment along with used packages from a previously de-commissioned project in the region. The facility's design featured a dew point control system, TEG dehydration, and equipment to remove nitrogen using membrane technology, as well as compress the treated gas to deliver the final product.

During the construction phase of the project, the customer requested an expansion be completed due to higher test result levels from the wellhead. This expansion proved challenging with significant design changes to achieve the desired dew point and condensate specifications, which required additional equipment including six further compressor units, HCDP, further hot oil, condensate, new tanks, and a stabilizer column.

In order to ensure that the customer was able to begin production without delay Enerflex suggested a two-staged approach for the introduction of gas. The first stage, which consisted of getting the original project scope on line was completed in March 2016, at which point the second phase – project expansion began and was completed in May 2016. Currently there is approximately 2,400 b/d of stabilized condensate being produced and exported from the facility.

Project management and engineering was managed from Enerflex's Abu Dhabi office, while the new equipment was supplied from the Company's Houston manufacturing facility and Enerflex KL. The facility is now being operated and maintained by Enerflex's MEA Operations and Maintenance team.

Enerflex delivered this fast track solution ahead of time and on-budget with a very strong focus on safety. There was over one million man-hours worked with no incidents.

CONTACT DETAILS

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