

ENERFLEX

The Single Source



159 MMSCF/D RENTAL COMPRESSION FACILITIES, BAHRAIN

Through Enerflex's efficient design solution and effective project management the equipment was installed and mechanically completed in record time providing the customer with additional cash flow.

PROJECT OVERVIEW AND CHALLENGES

The customer required 159 mmscf/d of compressed sour gas for crude oil production enhancement. Enerflex was engaged to provide three rental compressor stations each having 53mmscf/d capacity to compress the gas which had 600 PPM of H₂S.

UNIT LOCATION

Bahrain

ENERFLEX SOLUTION

Enerflex provided the engineering, procurement, construction, commissioning, and start-up, as well as the operations and maintenance contract for this natural gas compression rental facility. The duration of the project from concept to final commissioning for the first compressor station was only seven months. Six days after start-up, the entire station had achieved its design parameters and was exporting gas as per the projects requirements and was then handed over to Enerflex's operations and maintenance team.

The next two compressor stations were also completed ahead of schedule. Along with the compressor packages, Enerflex also designed a two phase separation system, a recovery oil system, and a fuel gas conditioning system. Although the project had an extremely tight timeline Enerflex's commitment to the environment was not compromised – all three

compressor stations were equipped with utility air systems, instead of using process gas, which results in additional cash flow for the customer. Enerflex's custom designed equipment allowed for accelerated site installation, easy transportation to the project's location, and reduced on-site construction. Through efficient planning and effective team work the equipment was installed and mechanically completed in record time.

Enerflex also provided a fully integrated and automated facility with a built in call-out function in case of any plant upset during the operations and maintenance phase of the contract.

CONTACT DETAILS

ENERFLEX

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