



EVWRENI Gas Lift Compressor Installation

Heritage Energy Operational Services Limited

OML 30 is situated in onshore Niger delta. The license covers approximately 1,095 square km located about 35km East of Warri in great Ughelli depobelt and contains nine fields; Afiesere, Eriemu, Ewreni, Oweh, Olomoro-Oleh, Kokori, Oroni, Uzere West and Osioka.

OML 30 has five Gas Lift Compression facilities; Afiesere, Kokori, Uzere, Ewreni and Olomoro-Oleh (Olog I & II), and six NGC Compression Stations (Currently non- operational); Afiesere Eriemu, Kokori, Oweh, Olomoro-Oleh and Uzere. The gas produced from the OML 30 is currently used for gas lifting, fuel and utility gas. The excess is flared.

Ewreni Flow Station has currently very low production rate due to absence of gaslift supply to the wells. Installation of gaslift compressors will boost the production by using available capacity in existing production facilities.

Project Overview

The original gaslift compression facilities at Ewreni have been demolished and no gas is supplied to the wells which had been designed to receive necessary gaslift required for their production. Consequently, the field production potential is not fully utilized. Heritage Energy and Operational Services Limited (HEOSL), Operator of OML 30, on behalf of the joint venture partners, embarked on production boosting project by installation of two new gaslift compressors which have already been purchased.

Ariosh was awarded the detailed engineering design scope to prepare engineering deliverables and define the required work with sufficient data to allow successful construction / procurement work including diagrams, calculations, specifications, datasheets, bill of materials, lists, etc .

The key objectives of the project are:

- Increasing the production of low pressure wells.
- Allowing production from wells which are not able to produce without gaslift supply.
- Utilizing the available spare capacity of the existing production facilities

Ariosh Scope of Work Included (/Services):

- Site Visit
- 3D Laser Scanning
- Performing Engineering Studies: Evaluating the adequacy of existing utility systems, determining the required upgrade works regarding additional required utilities and detailed engineering design.

Services

Detailed Engineering Design

Location

35km east of Warri, Delta State.

Total Man-hours

5,133hrs

Safety Record

Zero LTI, Zero MTI

Status

Ongoing