

Expro Excellence

Expro delivers gas compression solution

Production



Objectives and background

- During oil and gas production a large amount of gas is flared due to the unavailability of gas processing infrastructure
- Natural gas flaring not only represents a lost economic opportunity but is also a major source of greenhouse gas emissions. Our client estimated that around 1 billion cubic feet of gas are being flared daily
- An alternative solution to flaring was required to reduce or utilise the quantity of gas flared
- The customer had a Multiphase Pumping (MPP) solution however it was troublesome and they experienced long down time and high costs

Expro Excellence

- Expro undertook a detailed study to find an alternative to gas flaring by comparing the use of diesel engine drive multiphase pumps versus a gas engine drive-reciprocating compressor. The study concluded that in all concerned areas, the compressor + pump + separator solution was the recommended for installation at all the sites
- The solution will utilise a reciprocating gas engine drive compressor at each Early Production Facility (EPF)
- Expro utilised the producing gas to run the gas engine drive compressors which significantly reduced the running cost
- Expro delivered, installed and commissioned the compressors within 32 weeks (from award to first gas)



Value to the client

- Expro solution with the use of a gas engine drive compressors allowed the customer to reduce the time and cost by half comparing to the multiphase pump
- Fast track equipment delivery enabled customer to obtain early gas production gains with increased production revenue and potential of 15% saving on cost
- Client managed to contain greenhouse effect and reduce flare gas foot print for the first time since 2012

Increased productivity



Contact

For further information please contact:
production@exprogroup.com
 or visit
exprogroup.com/production