

Expro Excellence

MegaFlow™ separator allows ultra-high-rate gas flow with single train solution

Well Flow Management | Well Testing



Objectives and background

- Conducting well clean-up on an offshore gas reservoir with a standard separator leads to larger footprint equipment and more time to flow back until the well can be handed over to production
- Footprint and time both drive higher costs
- The customer engaged Expro to provide a bespoke, ultra-high-rate well-test package designed for a maximum rate of 135MMscf/d with high Condensate Gas Ratios (CGR)

Expro Excellence

- Expro deployed the MegaFlow™ ultra-high-rate separator single train package, which integrates industry-leading process safety best practices and enables flow rates up to 175MMSCFD
- It reduces operational complexity, risks, and crew headcount compared with a conventional solution of using two standard separators proposed by other service companies, therefore offering significant time and cost savings
- The MegaFlow™ single train, ultra-high rate well test package was just one element of the broader integrated project management offering from Expro:
 - A *Multi Tube High-Efficiency Heat Exchanger ensured efficient and complete separation of the different phases*
 - *API 17G compliant, high temperature/debris tolerant Expro Landing String Assembly (ELSA) subsea safety system*
 - *Expro's unique sampling, and analysis package for mercury characterization*

Value to the client

- The project has been successfully executed to date with 23 wells completed thus far
- The enhanced throughput of our MegaFlow™ Ultra- High-Rate Test Separator shortened well clean-up time, saving high-value rig time and reducing overall GHG emissions
- Increased radius of investigation improving reservoir characterization for optimized production and management in the long term
- Expro's best-in-class integrated safety system was deployed during this project, translating to exceptional HSE performance over 23 wells and 250,000 man-hours on the project thus far

Reduction of rig time



Cost saving



Lower carbon footprint

