

Expro Excellence

Expro's experience in high-rate well testing enables customised production solution

Well Testing



Objectives and background

- A gas pipeline in the Gulf of Mexico that is approximately 41 miles long, 14" pipeline originating at the TLP and ending at a fixed platform commissioned 20+ years earlier. The pipeline was damaged during a hurricane by the anchors of a rig that broke free from its mooring lines
- The pipeline was repaired with a jumper line in 2006. However, due to pigging issues during re-commissioning, it had not been pigged since
- With increasing flow assurance issues from asphaltenes and lack of in-line inspection, a plan was developed to modify the line and make it piggable

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- Initially the operator was working with another contractor to design a temporary package which could process instantaneous rates of up to 50,000 bpd, to allow for a specific pig velocity after the pipeline modification
- The initial contractor was struggling to find a suitable solution, resulting in the operator then contacting Expro to design a bespoke solution
- Common well test equipment designed to facilitate these rates would not fit on the unmanned platform. Expro had to design a more compact package
- Expro's engineering team designed the package using multiple smaller vessels and modified existing customer equipment on location to meet the requirements of this project
- Expro's local experience with high rate offshore well testing was able to translate into a solution for this midstream pipeline application and still allowed execution at a high level

Value to the client

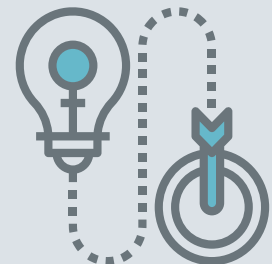
- Expro maintained great communication and worked together as a team from planning through to execution and rig down. This project serves as an example of what can be accomplished safely when everyone works together
- The re-designed bespoke package accommodated for slugging and solids while improving separation efficiency
- Working diligently with the customers, Expro designed a package that would maximise production capacity in small and segregated spaces. The requirements for light weight and small footprint equipment capable of processing high flow rates is not common for well testing or pipeline service companies in the area. Expro worked with several vendors to provide the best available equipment in order to deliver the optimal solution



This was a very demanding job, and Expro met every milestone and faced every challenge with a positive attitude. Great job!

Customer

Innovative solution



Contact

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